

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
 Data File : VN064215.D
 Acq On : 21 Oct 2020 12:09
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 10/22/2020 3:25:13 PM

Quant Time: Oct 21 12:31:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:00:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	287045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	465353	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	424812	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	215738	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	433636	104.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.30%	
35) Dibromofluoromethane	7.55	113	323987	100.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.52%	
50) Toluene-d8	10.06	98	1183838	97.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.66%	
62) 4-Bromofluorobenzene	12.38	95	489866	114.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	228.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	359247	126.654	ug/l	99
3) Chloromethane	2.04	50	367205	107.156	ug/l	97
4) Vinyl Chloride	2.16	62	361248	87.845	ug/l	98
5) Bromomethane	2.52	94	214441	71.966	ug/l	96
6) Chloroethane	2.66	64	212689	67.335	ug/l	99
7) Trichlorofluoromethane	2.98	101	573202	98.701	ug/l	98
8) Diethyl Ether	3.37	74	190011	104.269	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	293919	102.864	ug/l	99
10) Methyl Iodide	3.91	142	434388	107.946	ug/l	99
11) Tert butyl alcohol	4.73	59	298485	621.443	ug/l	98
12) 1,1-Dichloroethene	3.70	96	287206	100.190	ug/l	99
13) Acrolein	3.57	56	188478	517.359	ug/l	99
14) Allyl chloride	4.27	41	583797	124.763	ug/l	99
15) Acrylonitrile	4.93	53	657557	509.950	ug/l	99
16) Acetone	3.77	43	658030	534.570	ug/l	99
17) Carbon Disulfide	4.01	76	855123	104.572	ug/l	99
18) Methyl Acetate	4.27	43	322422	104.566	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	971097	113.012	ug/l	99
20) Methylene Chloride	4.50	84	329909	88.717	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	316352	98.270	ug/l	96
22) Diisopropyl ether	5.90	45	1054134	118.939	ug/l	99
23) Vinyl Acetate	5.84	43	4861443	612.767	ug/l	99
24) 1,1-Dichloroethane	5.80	63	614052	101.139	ug/l	99
25) 2-Butanone	6.78	43	1031329	546.040	ug/l	98
26) 2,2-Dichloropropane	6.77	77	599625	114.796	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	360605	95.502	ug/l	100
28) Bromochloromethane	7.15	49	293994	101.600	ug/l	99
29) Tetrahydrofuran	7.16	42	615633	555.358	ug/l	97
30) Chloroform	7.33	83	653625	101.607	ug/l	99
31) Cyclohexane	7.61	56	487464	105.335	ug/l	93
32) 1,1,1-Trichloroethane	7.53	97	617585	109.336	ug/l	99
36) 1,1-Dichloropropene	7.75	75	490306	108.384	ug/l	99
37) Ethyl Acetate	6.88	43	445833	110.426	ug/l	99
38) Carbon Tetrachloride	7.73	117	564668	114.210	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
 Data File : VN064215.D
 Acq On : 21 Oct 2020 12:09
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 10/22/2020 3:25:13 PM

Quant Time: Oct 21 12:31:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:00:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	456095	118.266	ug/l	99
40) Benzene	8.00	78	1379362	102.284	ug/l	100
41) Methacrylonitrile	7.13	41	232500	131.789	ug/l	93
42) 1,2-Dichloroethane	8.08	62	563920	114.245	ug/l	100
43) Isopropyl Acetate	8.13	43	835428	122.235	ug/l	99
44) Trichloroethene	8.80	130	371531	104.252	ug/l	94
45) 1,2-Dichloropropane	9.08	63	365928	102.639	ug/l	98
46) Dibromomethane	9.17	93	247217	98.018	ug/l	97
47) Bromodichloromethane	9.37	83	543665	109.015	ug/l	99
48) Methyl methacrylate	9.16	41	424924	132.709	ug/l	99
49) 1,4-Dioxane	9.16	88	101535	2161.381	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	2276118	573.618	ug/l	99
52) Toluene	10.13	92	886531	106.784	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	624146	120.518	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	640066	113.346	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	336939	98.410	ug/l	97
56) Ethyl methacrylate	10.40	69	530941	119.407	ug/l	98
57) 1,3-Dichloropropane	10.68	76	587477	103.378	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	1353846	607.584	ug/l	99
59) 2-Hexanone	10.72	43	1671719	598.159	ug/l	99
60) Dibromochloromethane	10.87	129	428054	109.779	ug/l	100
61) 1,2-Dibromoethane	10.98	107	358459	102.852	ug/l	100
64) Tetrachloroethene	10.60	164	361097	111.489	ug/l	99
65) Chlorobenzene	11.41	112	952941	106.327	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	376272	109.810	ug/l	99
67) Ethyl Benzene	11.48	91	1753633	115.544	ug/l	98
68) m/p-Xylenes	11.60	106	1305400	232.684	ug/l	97
69) o-Xylene	11.92	106	635946	117.662	ug/l	99
70) Styrene	11.94	104	1086122	120.643	ug/l	100
71) Bromoform	12.10	173	300519	117.220	ug/l #	98
73) Isopropylbenzene	12.22	105	1697214	107.013	ug/l	99
74) N-amyl acetate	12.05	43	760084	124.095	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	446508	84.173	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	486428m	94.828	ug/l	
77) Bromobenzene	12.50	156	406496	96.285	ug/l	98
78) n-propylbenzene	12.57	91	1949113	110.074	ug/l	100
79) 2-Chlorotoluene	12.65	91	1204834	106.982	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	1461969	114.476	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	191366	112.532	ug/l	97
82) 4-Chlorotoluene	12.75	91	1274744	111.978	ug/l	99
83) tert-Butylbenzene	12.97	119	1174081	111.178	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	1480030	118.120	ug/l	100
85) sec-Butylbenzene	13.14	105	1526893	112.721	ug/l	99
86) p-Isopropyltoluene	13.26	119	1424110	120.050	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	743842	105.195	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	755361	104.228	ug/l	99
89) n-Butylbenzene	13.59	91	1262664	125.108	ug/l	99
90) Hexachloroethane	13.85	117	248843	109.658	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	717353	102.216	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	115270	108.274	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
Data File : VN064215.D
Acq On : 21 Oct 2020 12:09
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:13 PM

Quant Time: Oct 21 12:31:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 21 12:00:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	429282	143.430	ug/l	99
94) Hexachlorobutadiene	14.98	225	211438	120.607	ug/l	99
95) Naphthalene	15.10	128	1292466	144.804	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	410833	138.359	ug/l	99

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

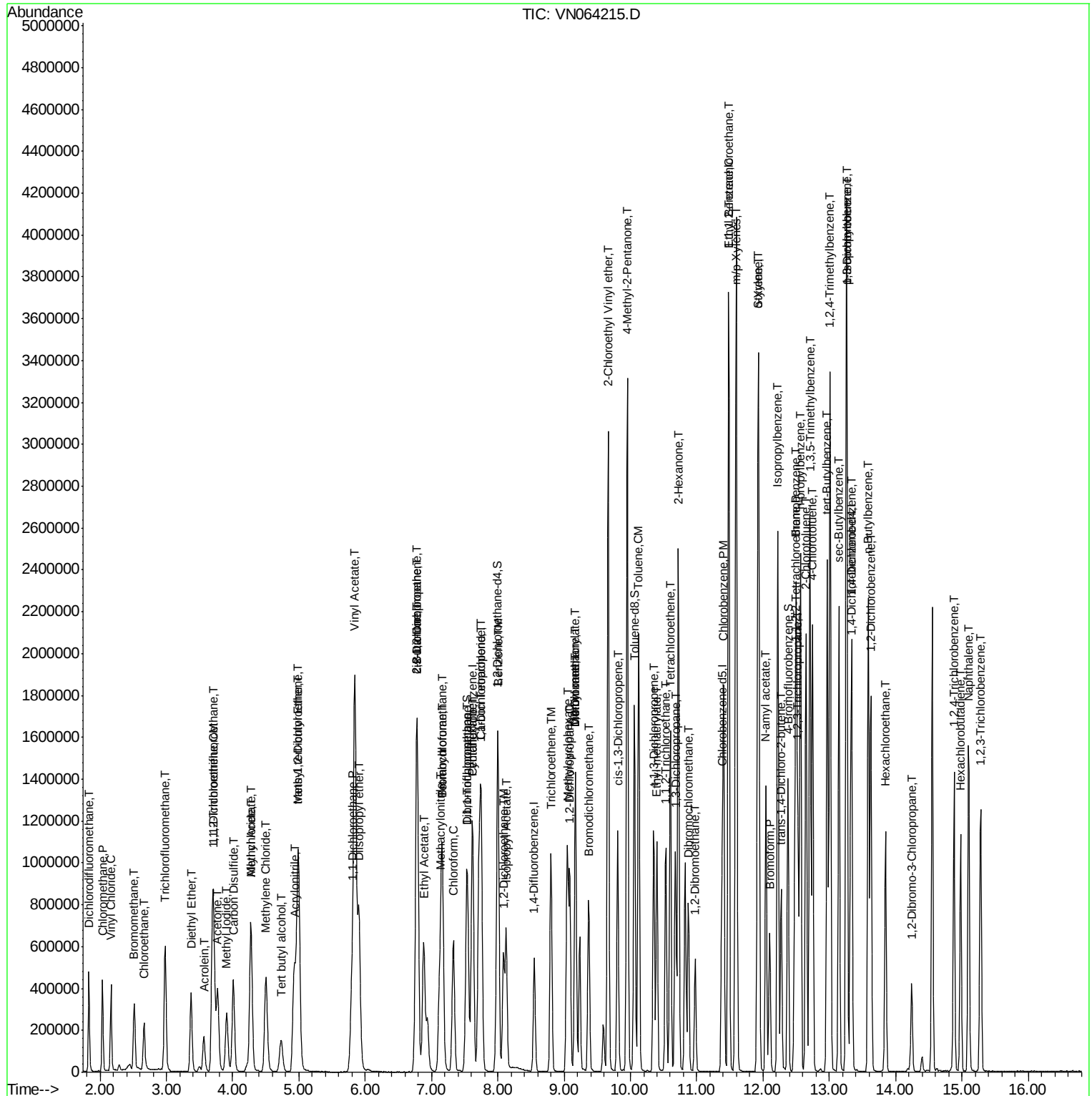
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102120\
Data File : VN064215.D
Acq On : 21 Oct 2020 12:09
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

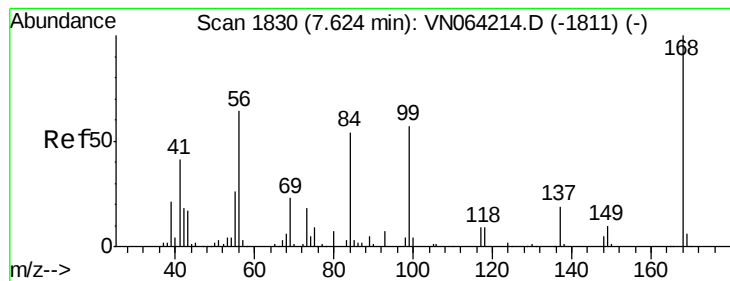
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:13 PM

Quant Time: Oct 21 12:31:41 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 21 12:00:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064215.D

Acq: 21 Oct 2020 12:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 287045

Ion Ratio Lower Upper

168 100

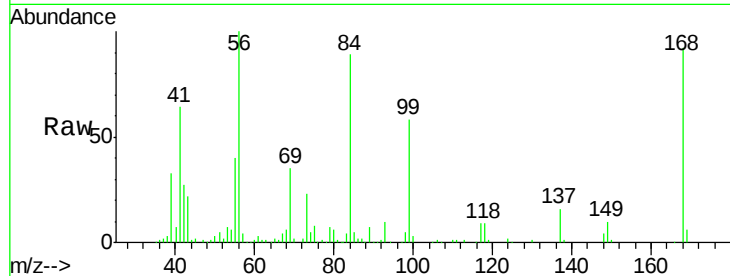
99 63.2 54.0 81.0

Manual Integrations

APPROVED

MMDadoda

10/22/2020 3:25:13 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

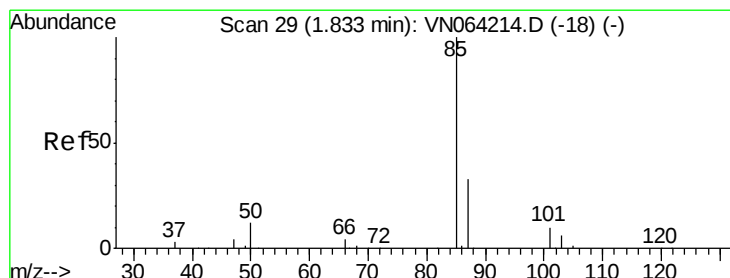
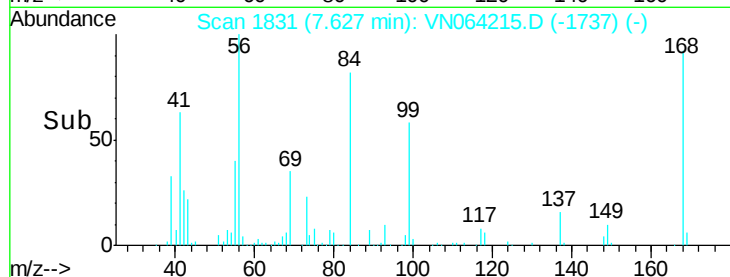
100000

50000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 126.654 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN064215.D

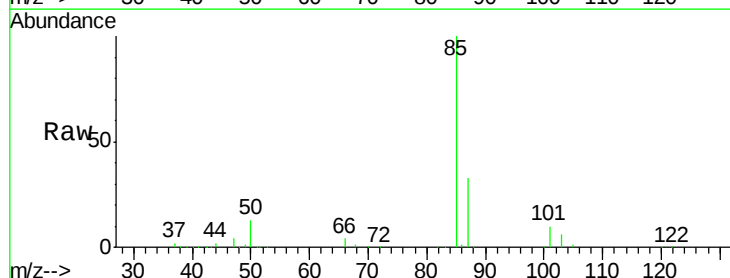
Acq: 21 Oct 2020 12:09

Tgt Ion: 85 Resp: 359247

Ion Ratio Lower Upper

85 100

87 32.7 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

300000

250000

200000

150000

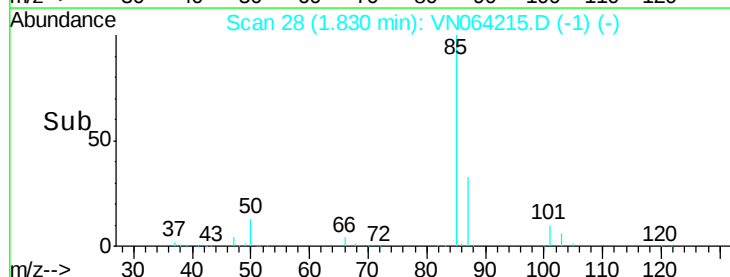
100000

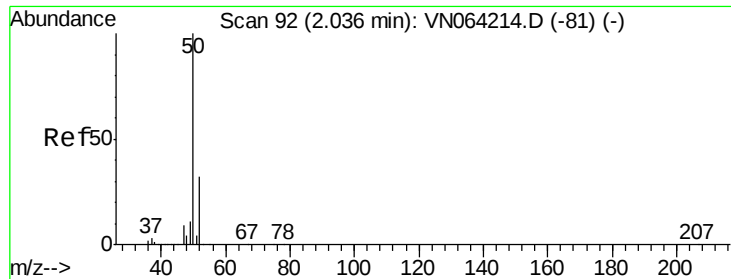
50000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 107.156 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN064215.D

Acq: 21 Oct 2020 12:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 367205

Ion Ratio Lower Upper

50 100

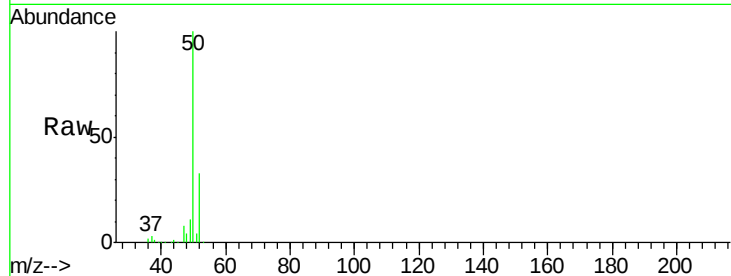
52 33.4 25.3 37.9

Manual Integrations

APPROVED

MMDadoda

10/22/2020 3:25:13 PM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

250000

200000

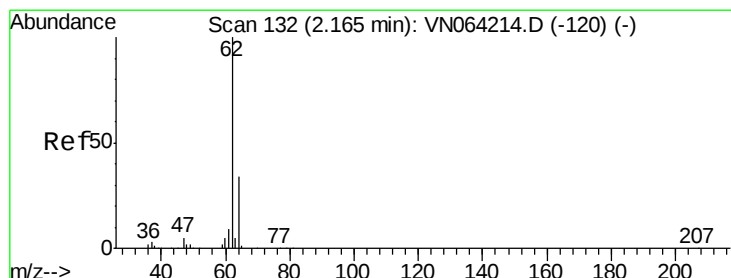
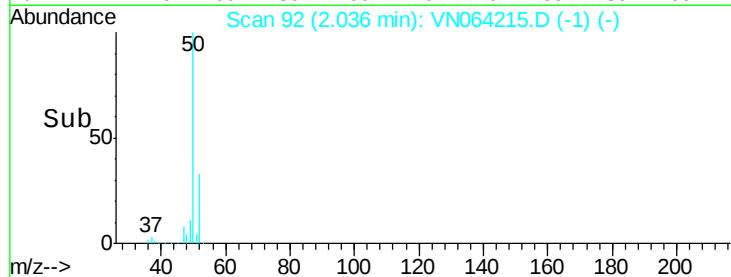
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 87.845 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064215.D

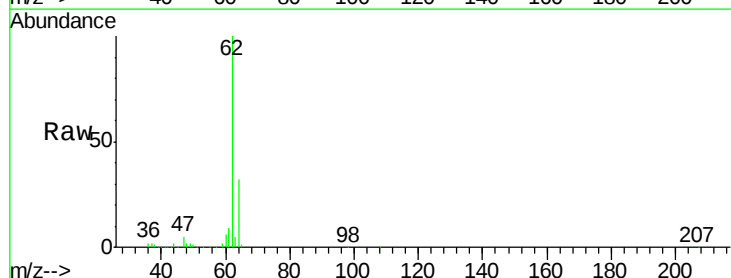
Acq: 21 Oct 2020 12:09

Tgt Ion: 62 Resp: 361248

Ion Ratio Lower Upper

62 100

64 32.1 26.8 40.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.16

250000

200000

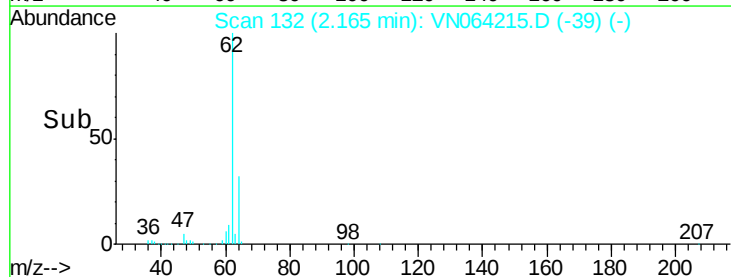
150000

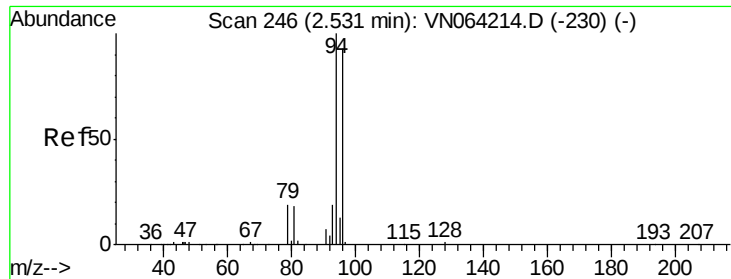
100000

50000

0

Time-->





#5

Bromomethane

Concen: 71.966 ug/l

RT: 2.52 min Scan# 241

Delta R.T. -0.02 min

Lab File: VN064215.D

Acq: 21 Oct 2020 12:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 214441

Ion Ratio Lower Upper

94 100

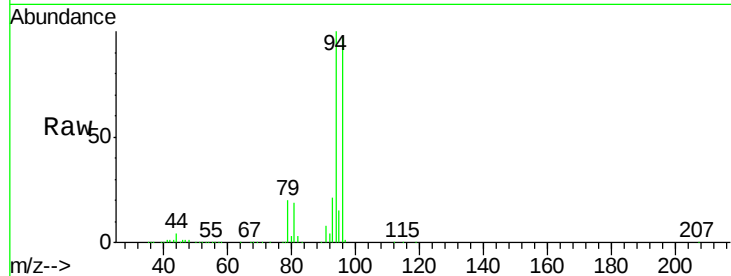
96 96.9 74.2 111.4

Manual Integrations

APPROVED

MMDadoda

10/22/2020 3:25:13 PM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.52

120000

100000

80000

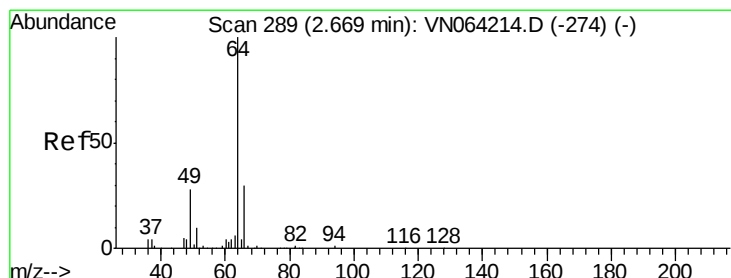
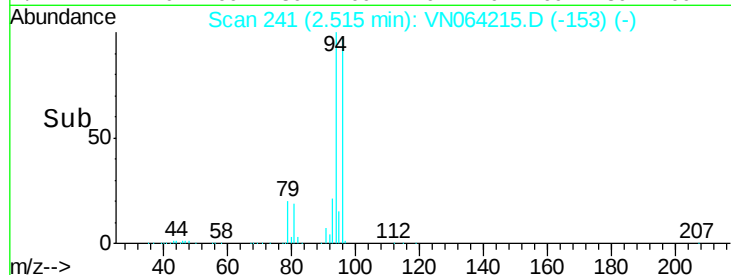
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 67.335 ug/l

RT: 2.66 min Scan# 287

Delta R.T. -0.01 min

Lab File: VN064215.D

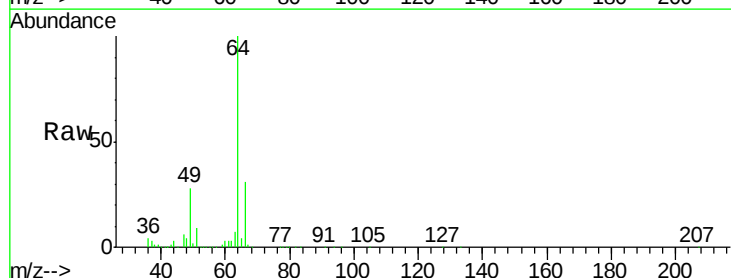
Acq: 21 Oct 2020 12:09

Tgt Ion: 64 Resp: 212689

Ion Ratio Lower Upper

64 100

66 30.3 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.66

120000

100000

80000

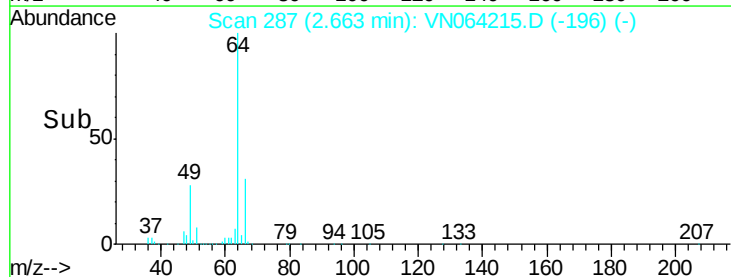
60000

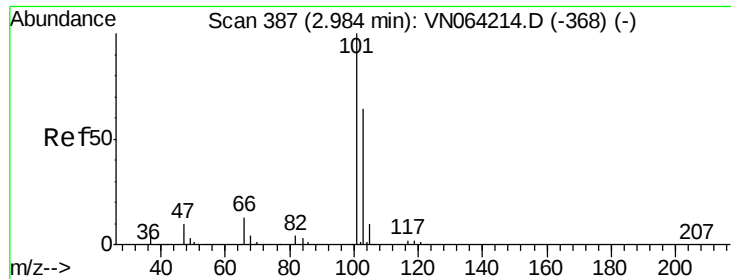
40000

20000

0

Time-->





#7

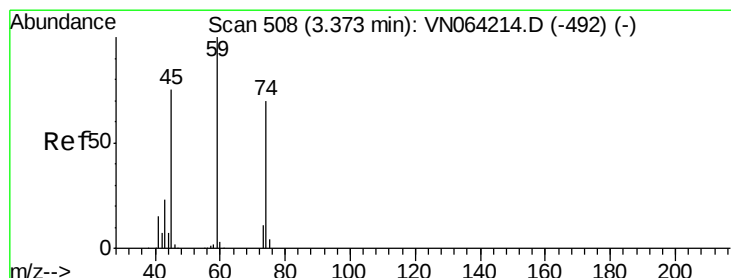
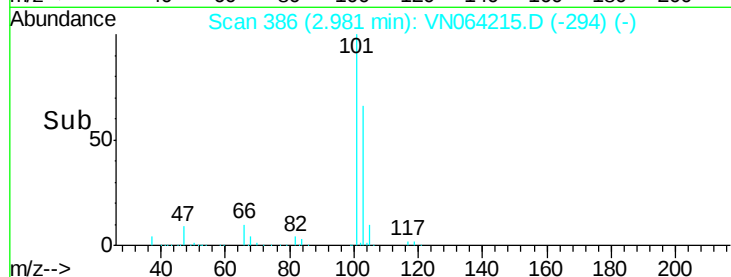
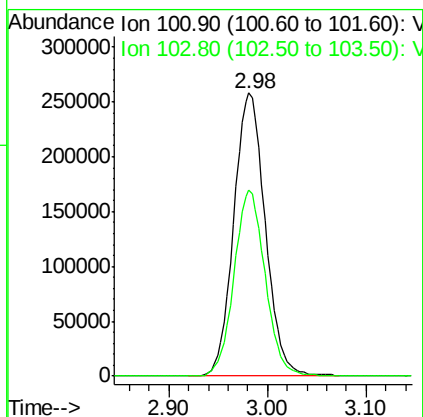
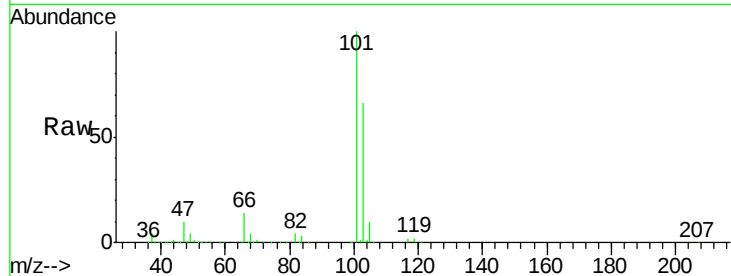
Trichlorofluoromethane
 Concen: 98.701 ug/l
 RT: 2.98 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN064215.D
 Acq: 21 Oct 2020 12:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		573202		
103	65.7	51.0	76.6		

Manual Integrations
 APPROVED

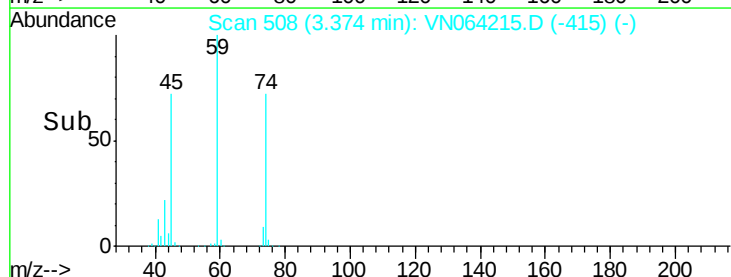
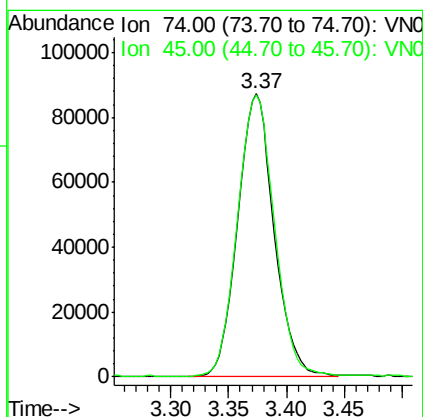
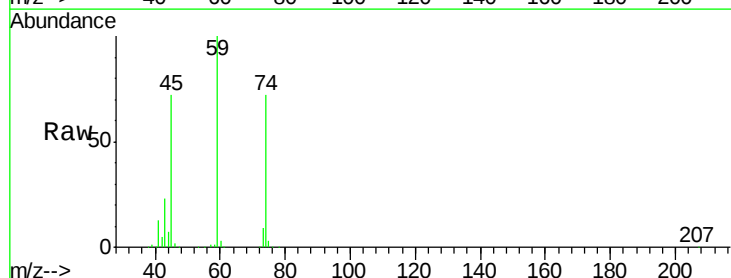
MMDadoda
 10/22/2020 3:25:13 PM

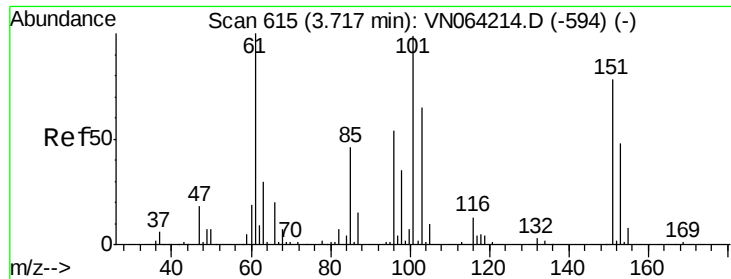


#8

Diethyl Ether
 Concen: 104.269 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN064215.D
 Acq: 21 Oct 2020 12:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		190011		
45	102.0	51.3	154.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 102.864 ug/l

RT: 3.72 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN064215.D

Acq: 21 Oct 2020 12:09

Instrument :

MSVOA_N

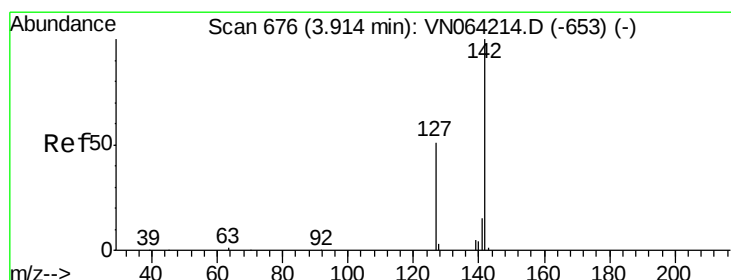
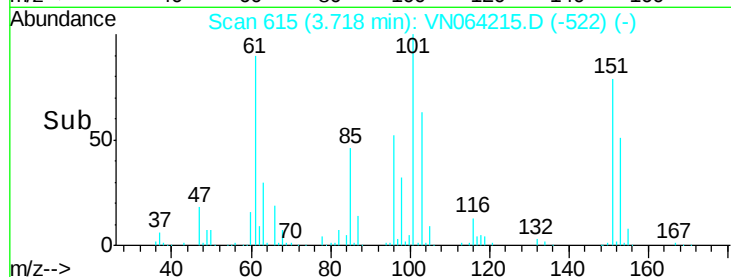
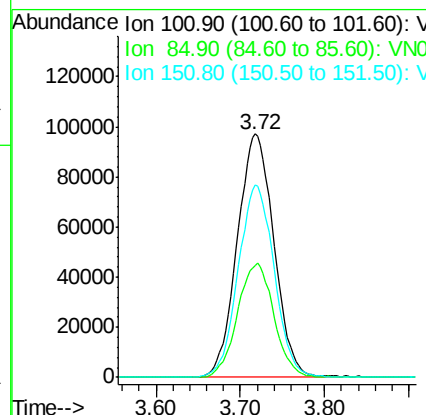
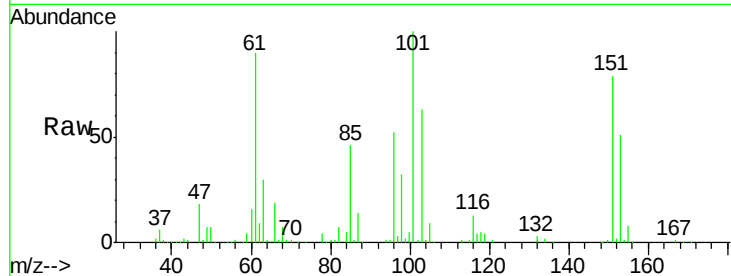
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	293919
Ion Ratio	Lower	Upper	
101	100		
85	46.4	37.8	56.8
151	77.8	61.4	92.2

Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:13 PM



#10

Methyl Iodide

Concen: 107.946 ug/l

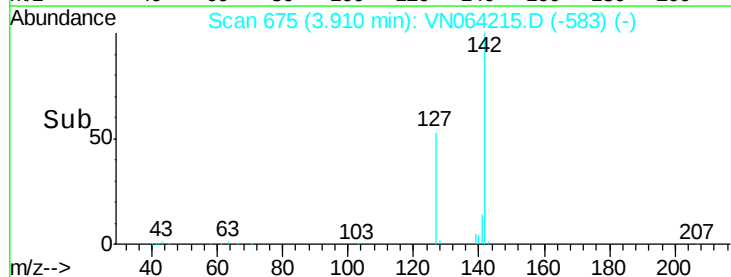
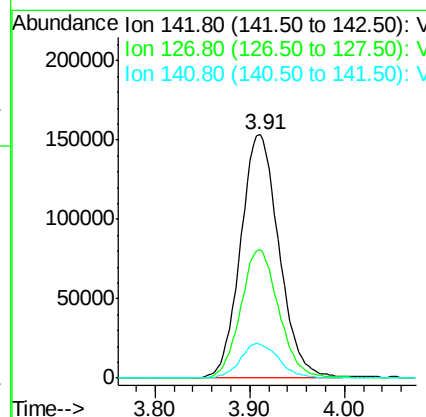
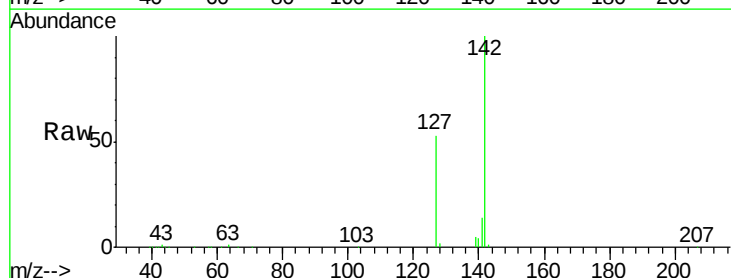
RT: 3.91 min Scan# 675

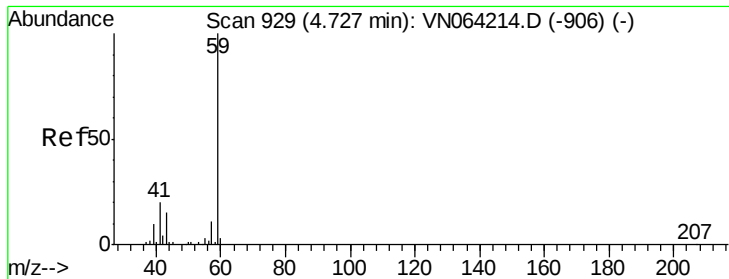
Delta R.T. -0.00 min

Lab File: VN064215.D

Acq: 21 Oct 2020 12:09

Tgt Ion:	142	Resp:	434388
Ion Ratio	Lower	Upper	
142	100		
127	52.5	41.0	61.6
141	14.3	11.3	16.9





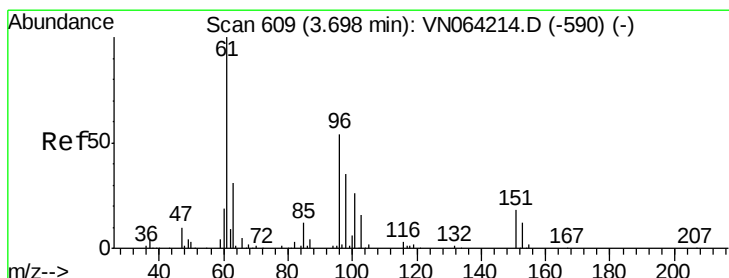
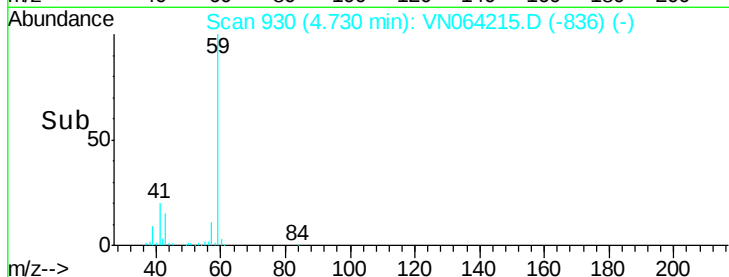
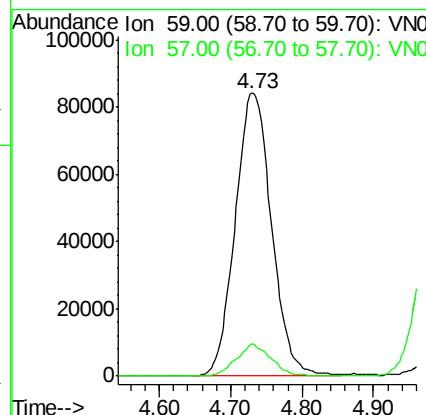
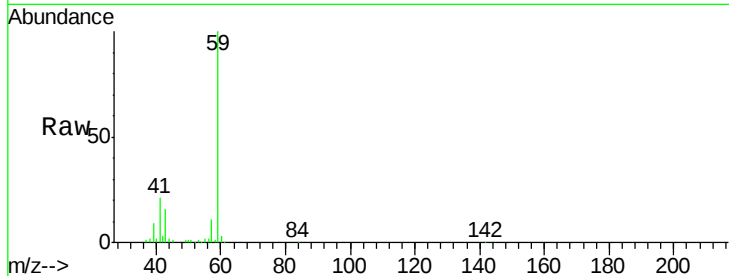
#11
Tert butyl alcohol
Concen: 621.443 ug/l
RT: 4.73 min Scan# 930
Delta R.T. 0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
59	100	298485		
57	10.6		9.2	13.8

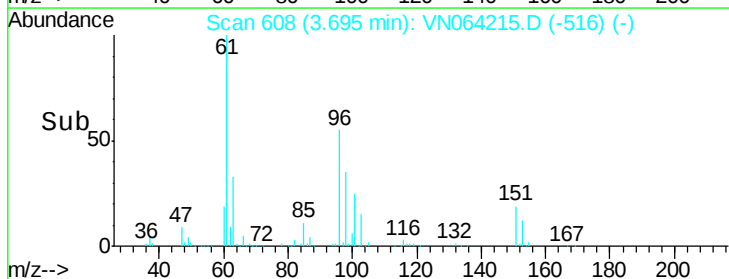
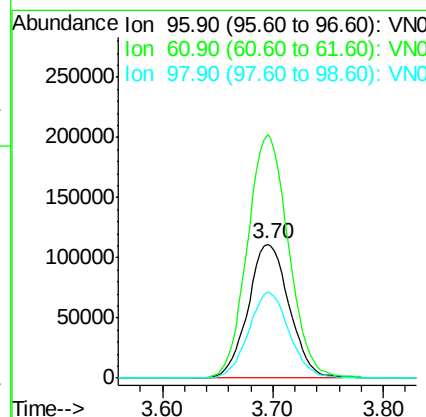
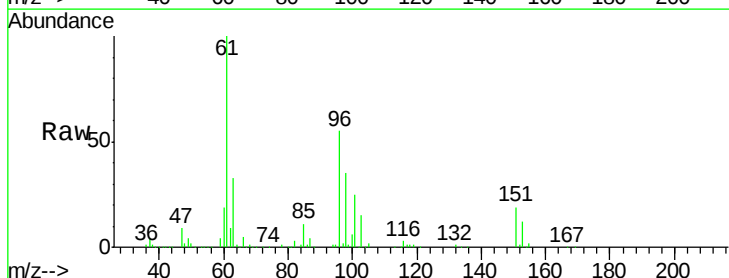
Manual Integrations
APPROVED

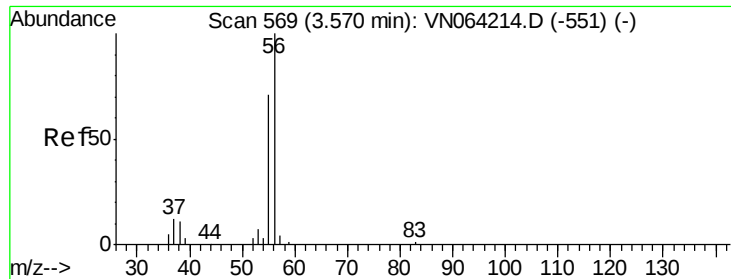
MMDadoda
10/22/2020 3:25:13 PM



#12
1,1-Dichloroethene
Concen: 100.190 ug/l
RT: 3.70 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	287206		
61	182.0		147.0	220.4
98	64.0		51.7	77.5





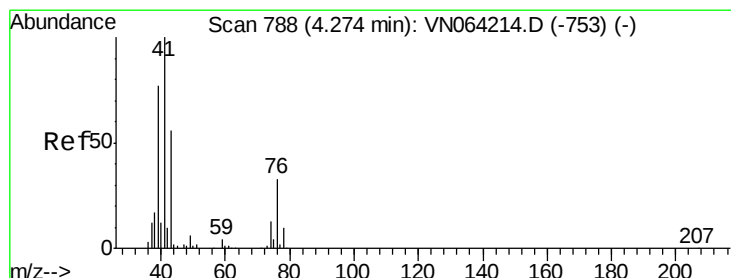
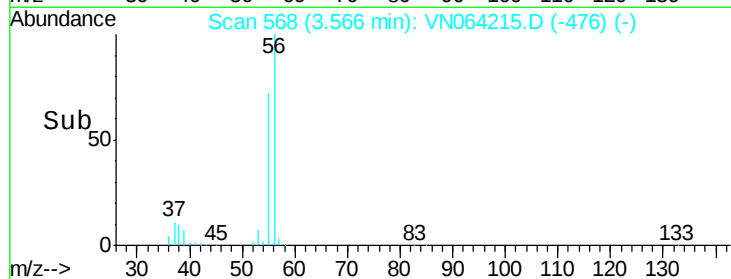
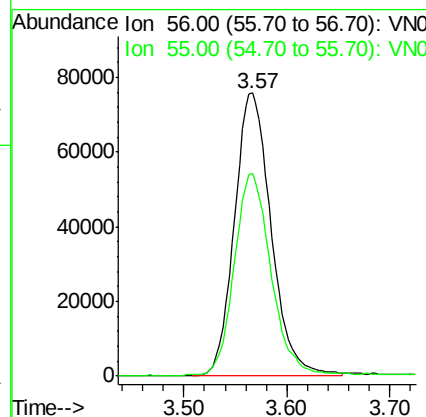
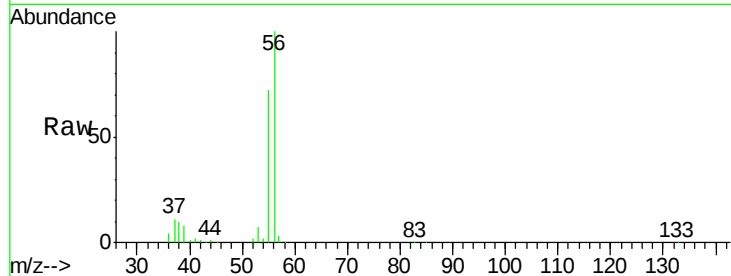
#13
Acrolein
Concen: 517.359 ug/l
RT: 3.57 min Scan# 568
Delta R.T. -0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.5	56.1	84.1

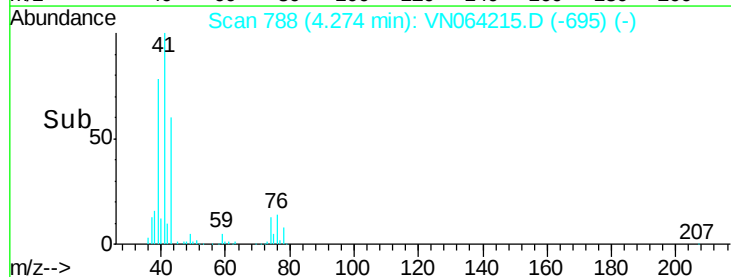
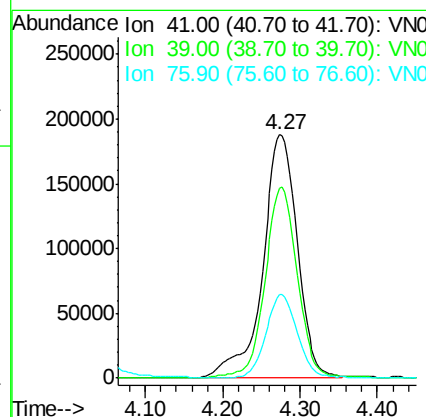
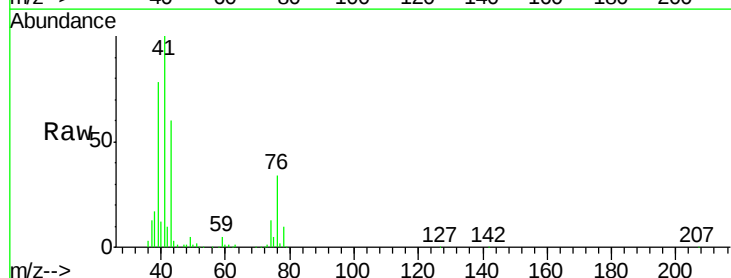
Manual Integrations
APPROVED

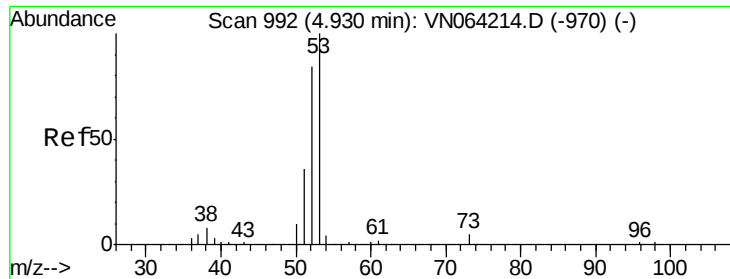
MMDadoda
10/22/2020 3:25:13 PM



#14
Allyl chloride
Concen: 124.763 ug/l
RT: 4.27 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Tgt Ion	Ratio	Lower	Upper
41	100		
39	72.5	58.6	88.0
76	30.4	24.5	36.7





#15

Acrylonitrile

Concen: 509.950 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN064215.D

Acq: 21 Oct 2020 12:09

Instrument :

MSVOA_N

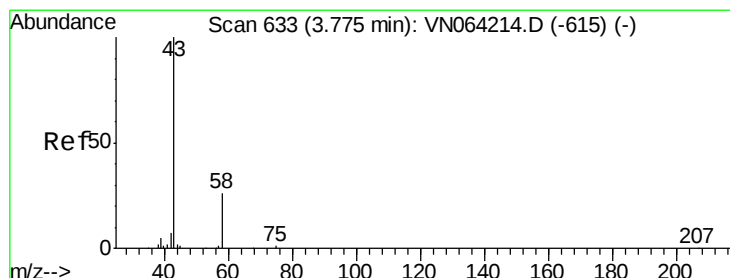
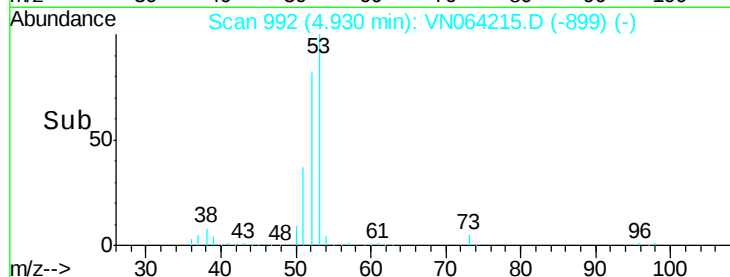
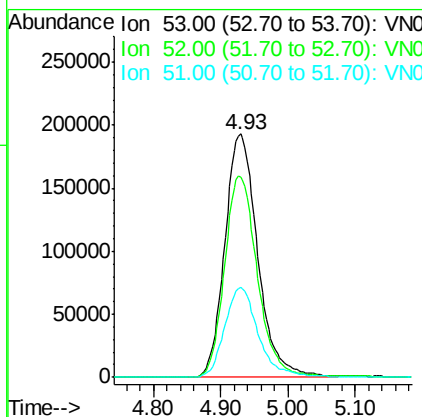
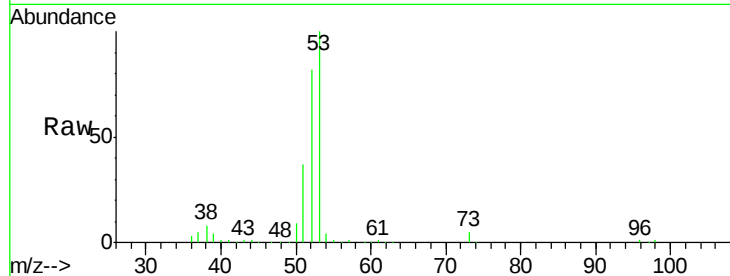
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	657557
Ion Ratio		Lower	Upper
53	100		
52	82.1	66.8	100.2
51	37.8	30.7	46.1

Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:13 PM



#16

Acetone

Concen: 534.570 ug/l

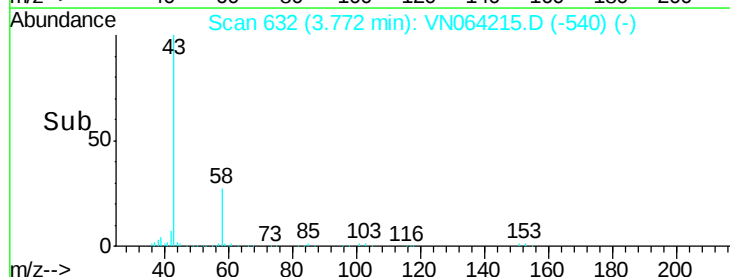
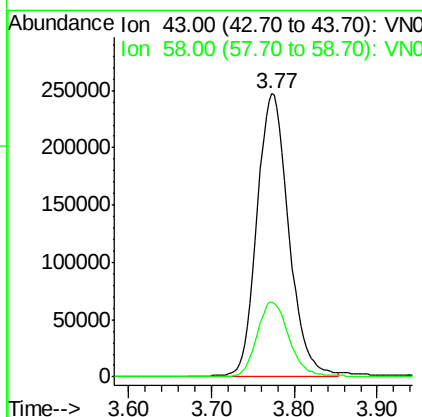
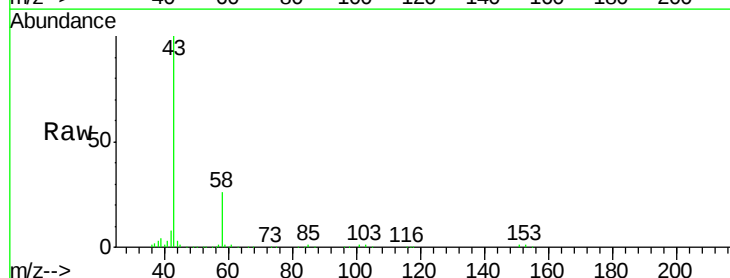
RT: 3.77 min Scan# 632

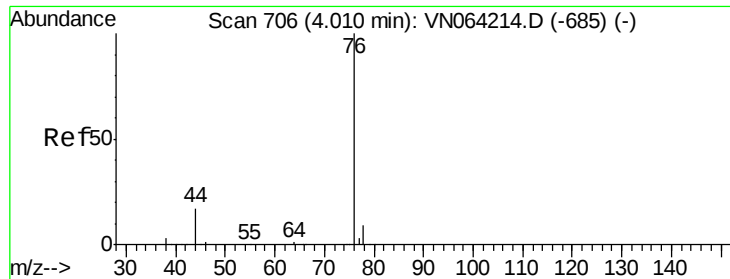
Delta R.T. -0.00 min

Lab File: VN064215.D

Acq: 21 Oct 2020 12:09

Tgt Ion:	43	Resp:	658030
Ion Ratio		Lower	Upper
43	100		
58	26.5	21.0	31.4





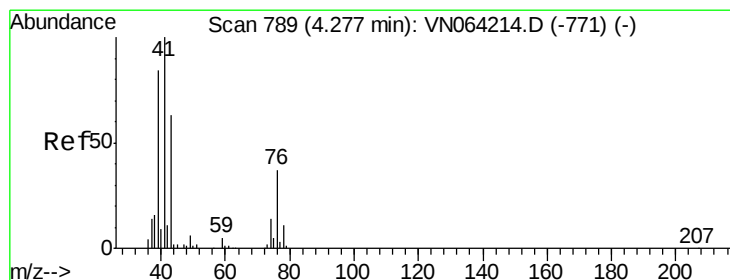
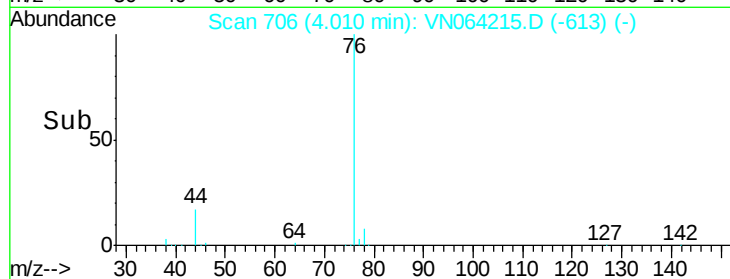
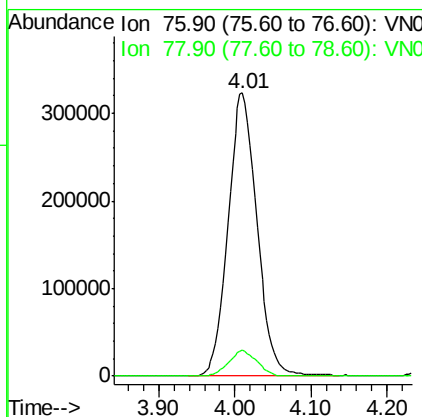
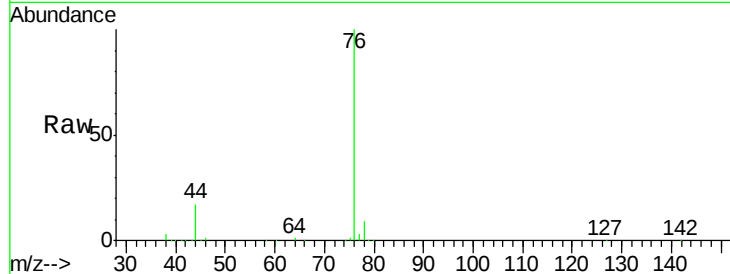
#17
Carbon Disulfide
Concen: 104.572 ug/l
RT: 4.01 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

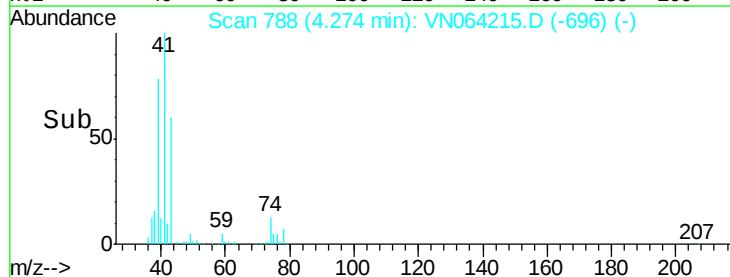
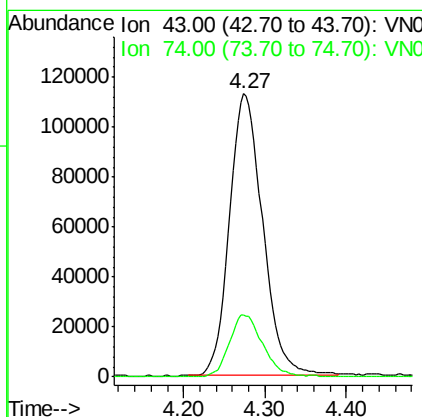
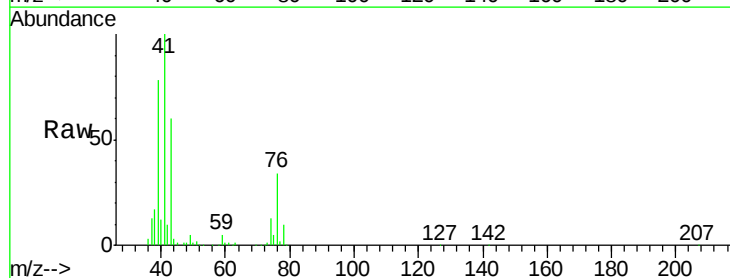
Manual Integrations
APPROVED

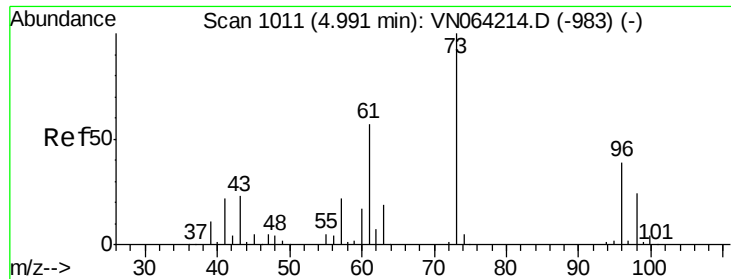
MMDadoda
10/22/2020 3:25:13 PM



#18
Methyl Acetate
Concen: 104.566 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.9	26.9





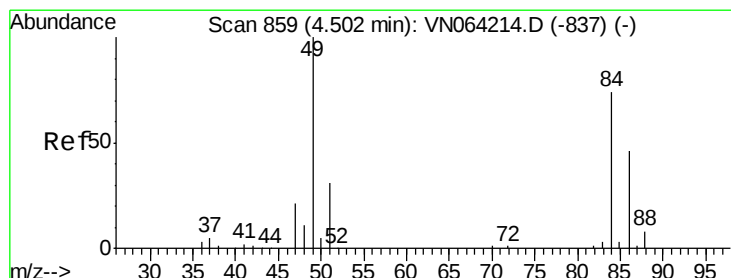
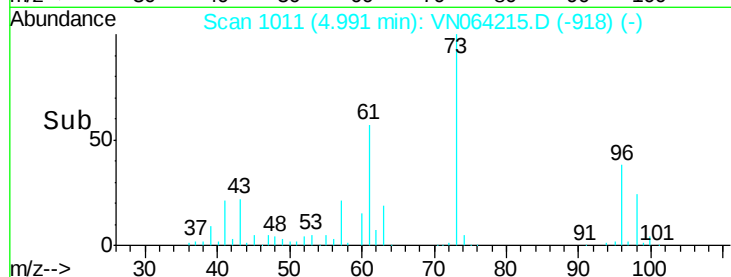
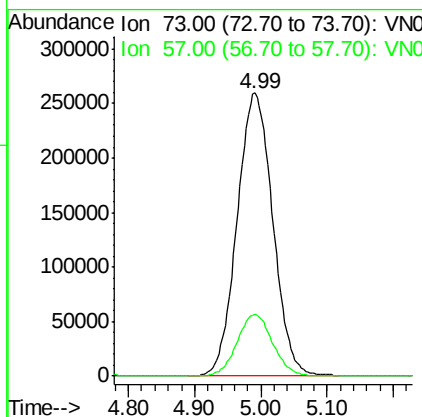
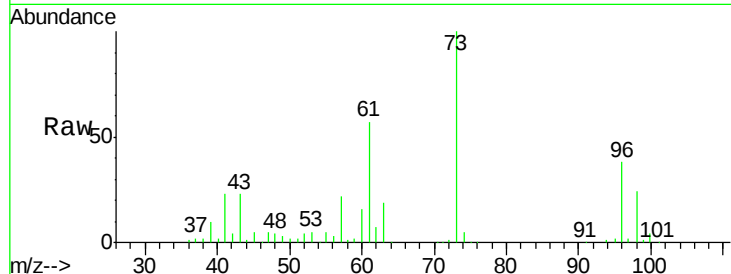
#19
Methvl tert-butvl Ether
Concen: 113.012 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 971097
Ion Ratio Lower Upper
73 100
57 21.9 18.0 27.0

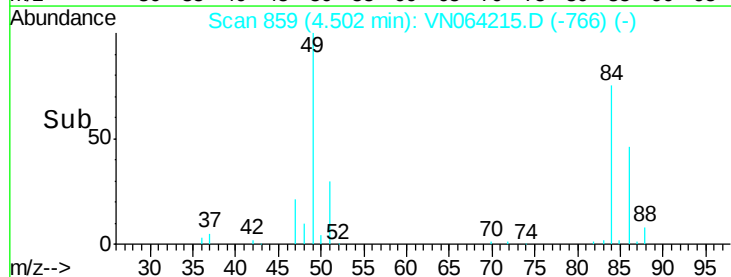
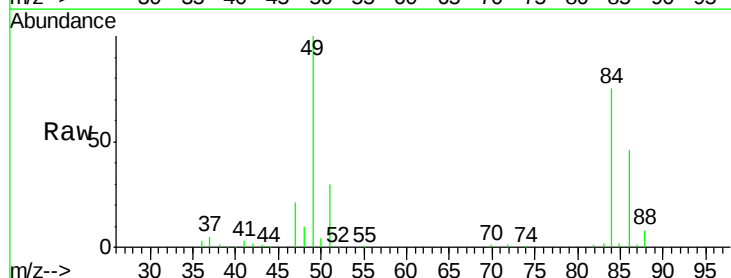
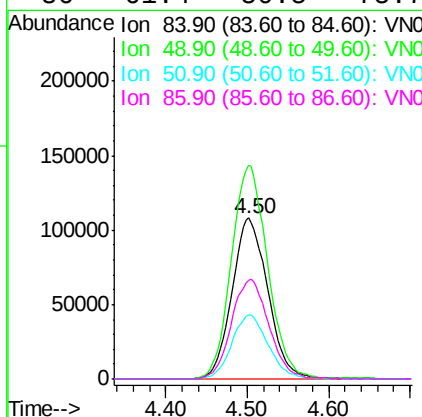
Manual Integrations
APPROVED

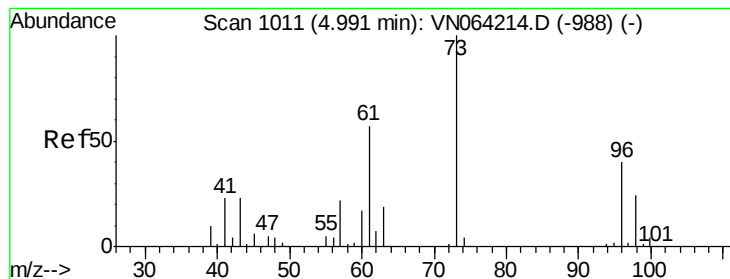
MMDadoda
10/22/2020 3:25:13 PM



#20
Methylene Chloride
Concen: 88.717 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Tgt Ion: 84 Resp: 329909
Ion Ratio Lower Upper
84 100
49 132.8 108.5 162.7
51 39.8 33.8 50.8
86 61.4 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 98.270 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN064215.D

Acq: 21 Oct 2020 12:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 316352

Ion Ratio Lower Upper

96 100

61 151.2 115.8 173.6

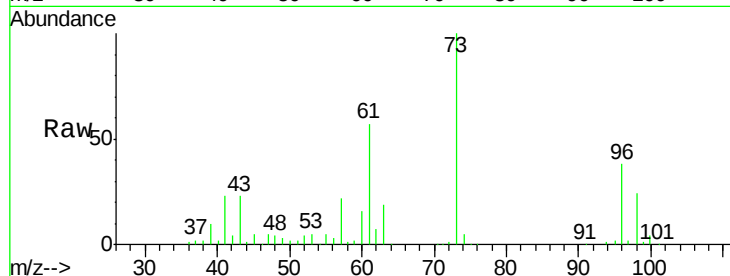
98 63.4 49.4 74.0

Manual Integrations

APPROVED

MMDadoda

10/22/2020 3:25:13 PM

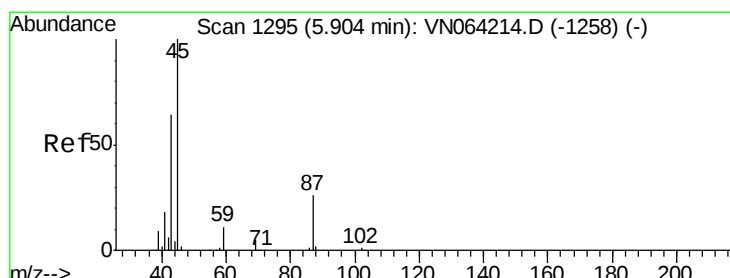
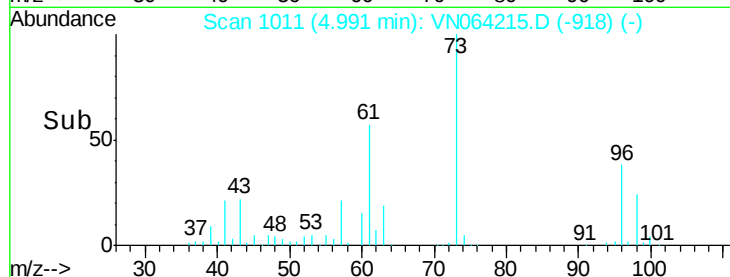
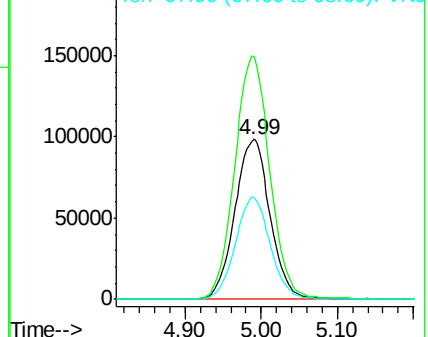


Abundance

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



#22

Diisopropyl ether

Concen: 118.939 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN064215.D

Acq: 21 Oct 2020 12:09

Tgt Ion: 45 Resp: 1054134

Ion Ratio Lower Upper

45 100

43 64.1 52.2 78.4

87 26.9 21.4 32.0

59 10.9 8.3 12.5

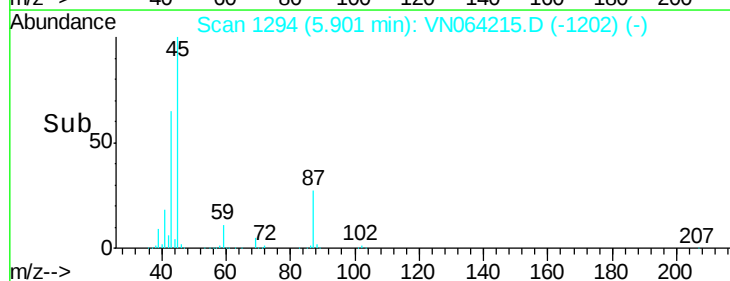
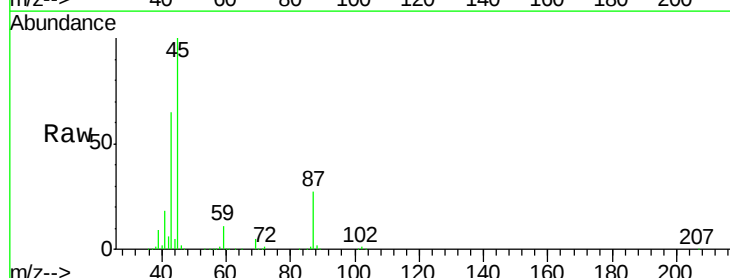
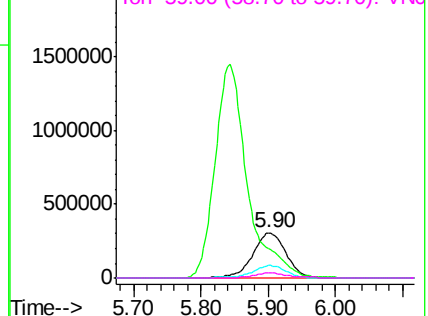
Abundance

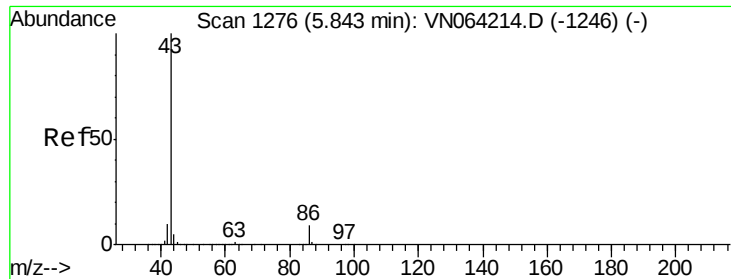
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





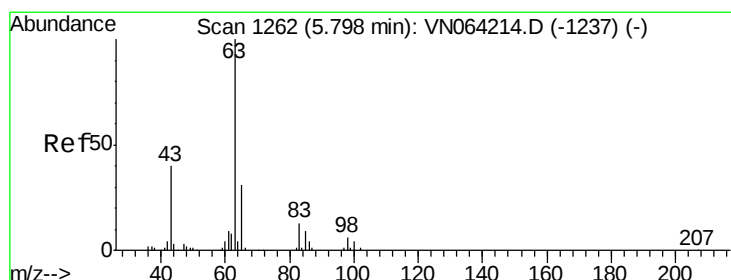
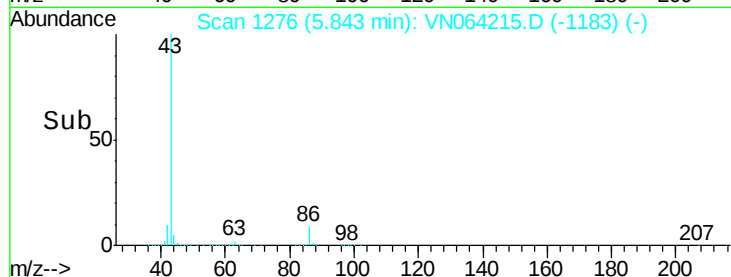
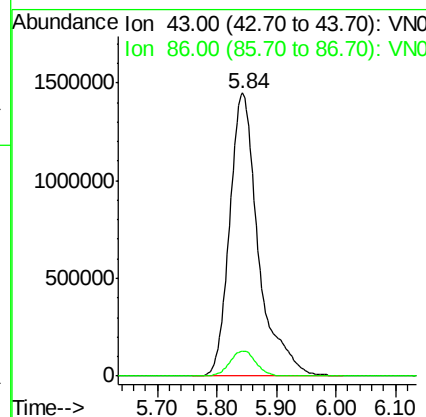
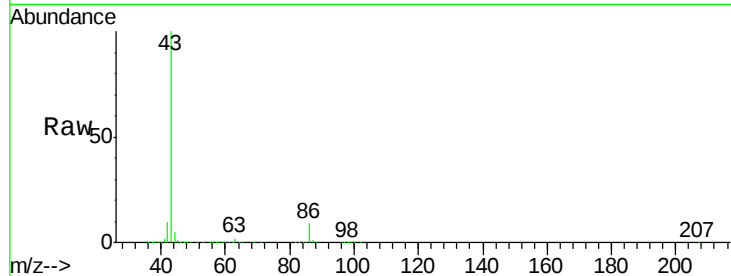
#23
 Vinyl Acetate
 Concen: 612.767 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN064215.D
 Acq: 21 Oct 2020 12:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 4861443
 Ion Ratio Lower Upper
 43 100
 86 9.0 7.4 11.0

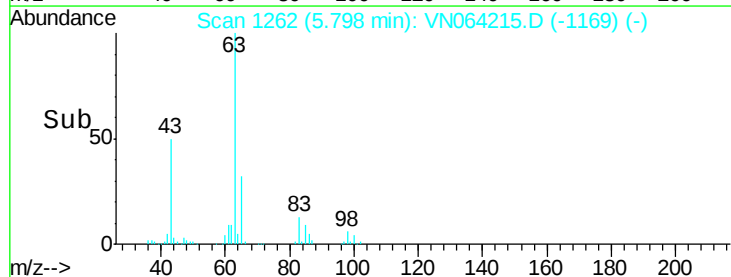
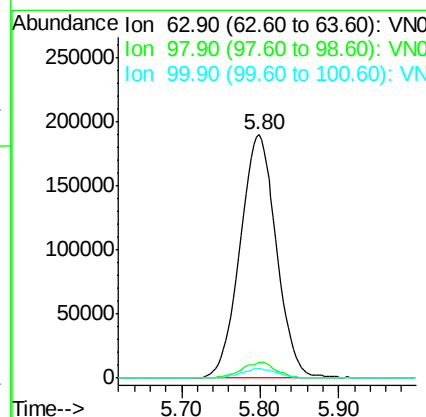
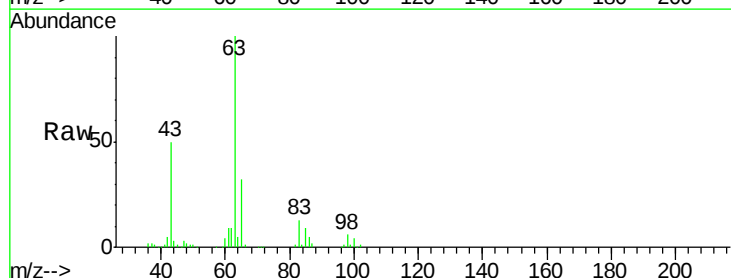
Manual Integrations
 APPROVED

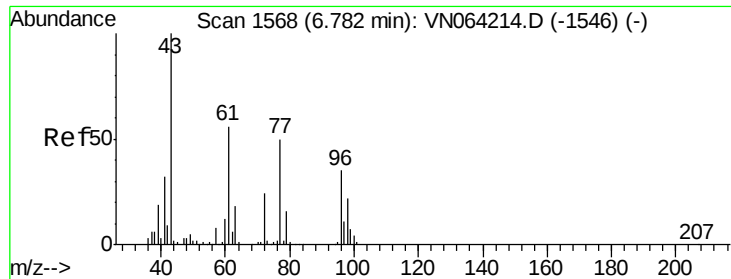
MMDadoda
 10/22/2020 3:25:13 PM



#24
 1,1-Dichloroethane
 Concen: 101.139 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN064215.D
 Acq: 21 Oct 2020 12:09

Tgt Ion: 63 Resp: 614052
 Ion Ratio Lower Upper
 63 100
 98 6.3 2.9 8.7
 100 3.9 2.0 6.0





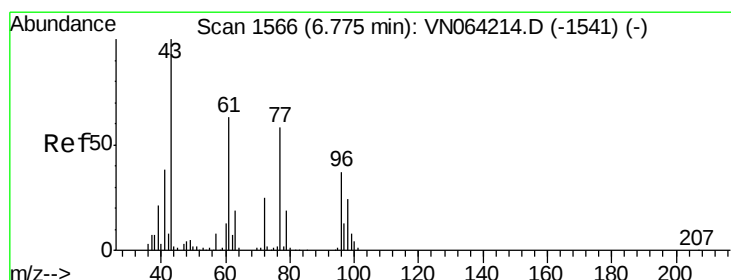
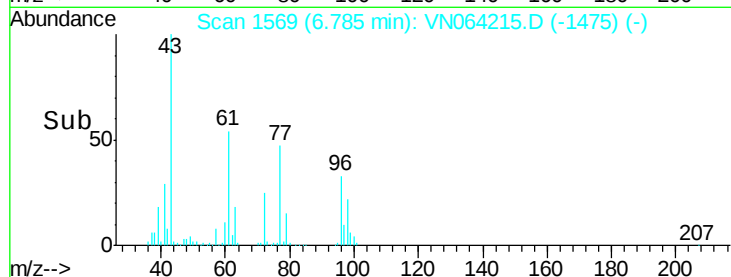
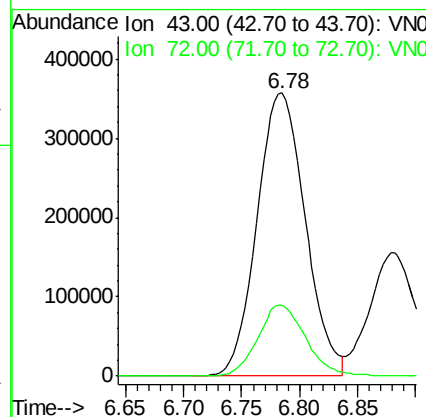
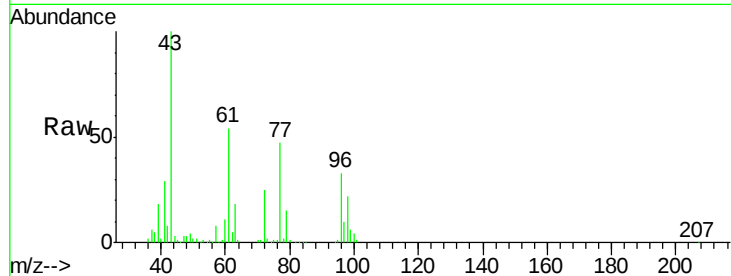
#25
2-Butanone
Concen: 546.040 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1031329
Ion Ratio Lower Upper
43 100
72 25.3 19.4 29.0

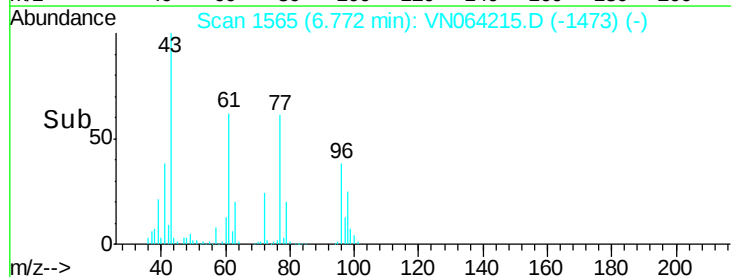
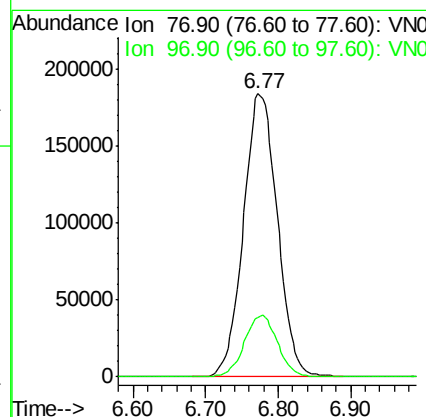
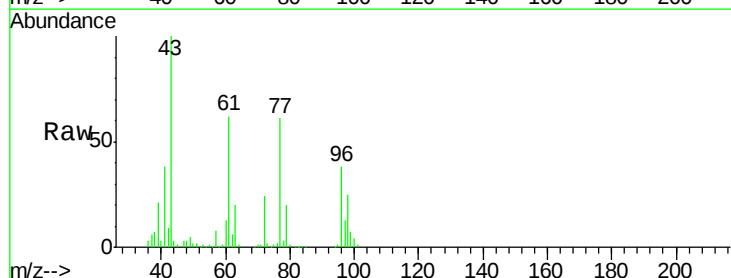
Manual Integrations
APPROVED

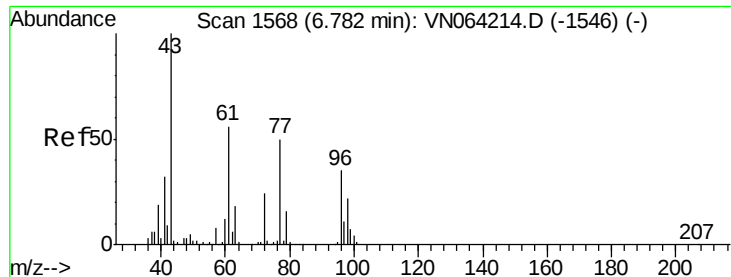
MMDadoda
10/22/2020 3:25:13 PM



#26
2,2-Dichloropropane
Concen: 114.796 ug/l
RT: 6.77 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Tgt Ion: 77 Resp: 599625
Ion Ratio Lower Upper
77 100
97 21.2 10.4 31.4





#27

cis-1,2-Dichloroethene

Concen: 95.502 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064215.D

Acq: 21 Oct 2020 12:09

Instrument :

MSVOA_N

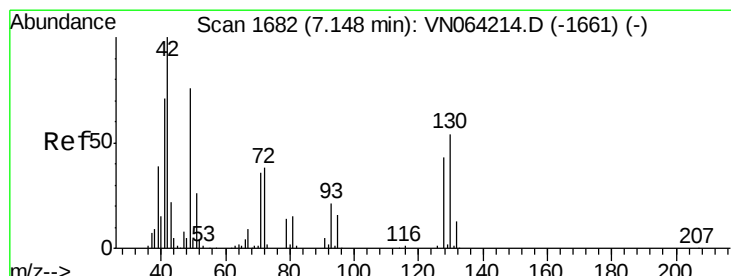
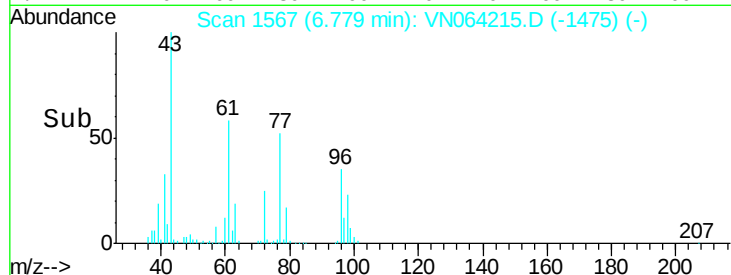
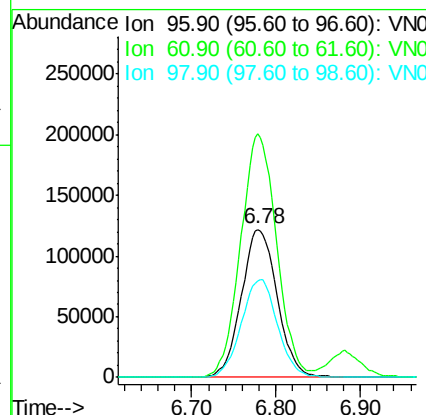
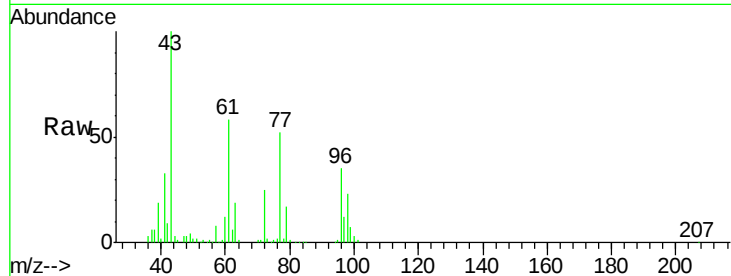
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	360605
Ion Ratio	Lower	Upper	
96	100		
61	165.0	0.0	330.0
98	66.5	0.0	130.6

Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:13 PM



#28

Bromochloromethane

Concen: 101.600 ug/l

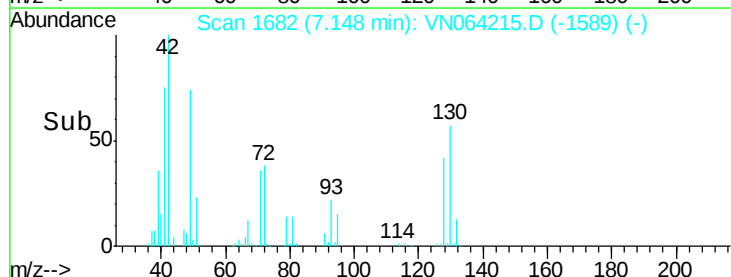
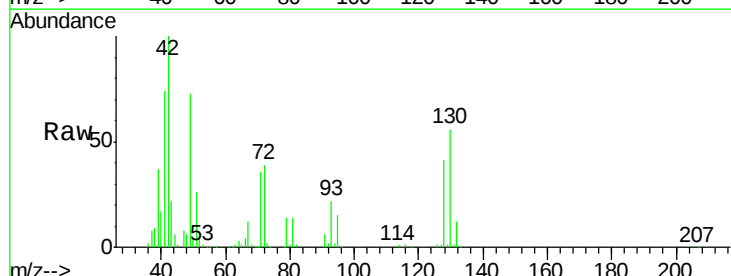
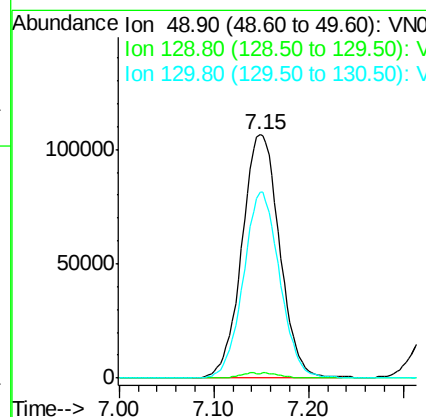
RT: 7.15 min Scan# 1682

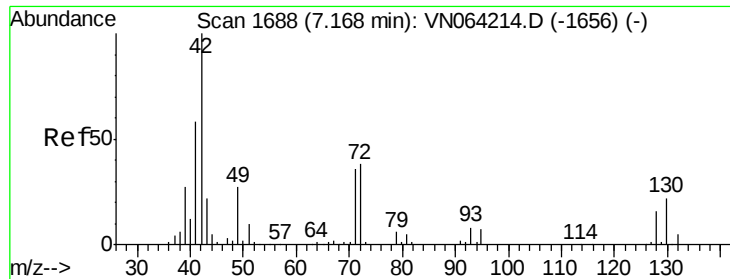
Delta R.T. 0.00 min

Lab File: VN064215.D

Acq: 21 Oct 2020 12:09

Tgt Ion:	49	Resp:	293994
Ion Ratio	Lower	Upper	
49	100		
129	1.1	0.0	2.8
130	74.0	58.8	88.2





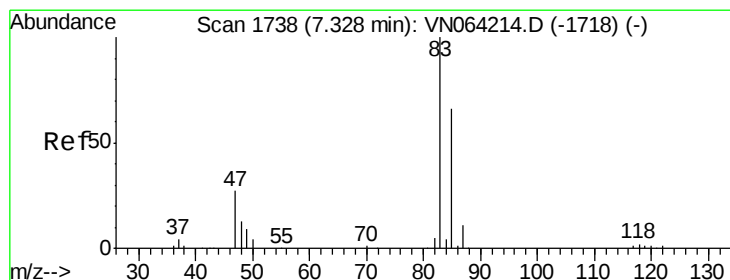
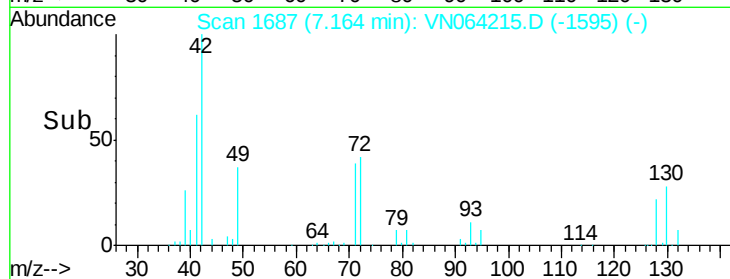
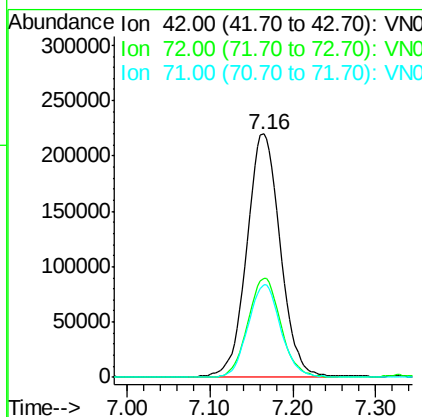
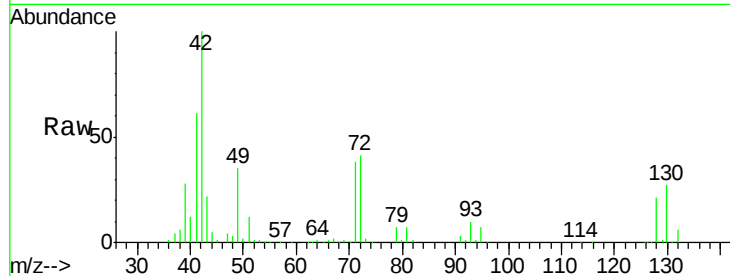
#29
Tetrahydrofuran
Concen: 555.358 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	30.8	46.2
71	37.6	29.0	43.6

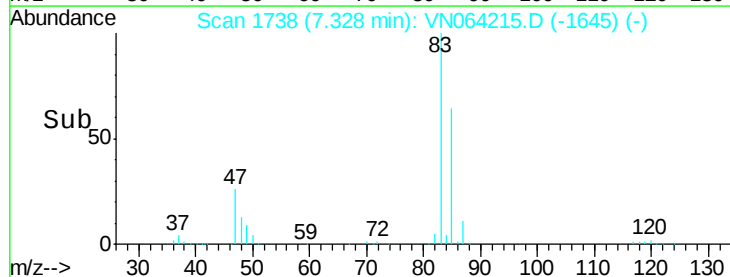
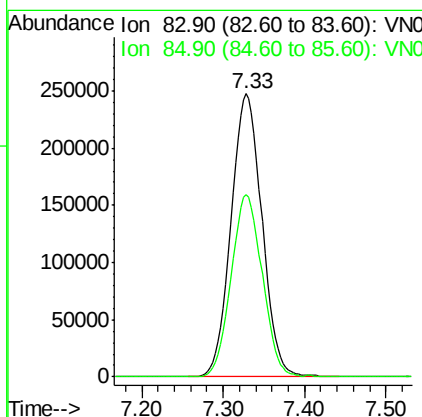
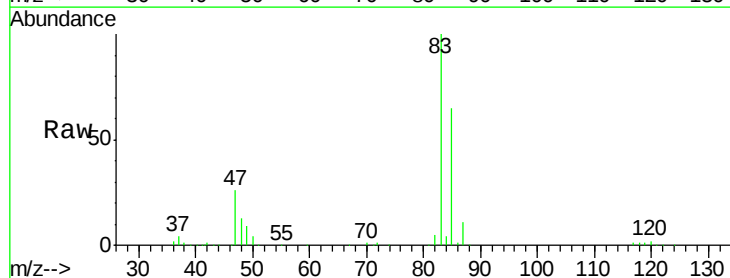
Manual Integrations
APPROVED

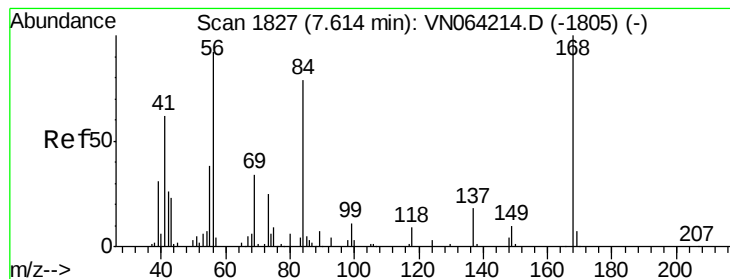
MMDadoda
10/22/2020 3:25:13 PM



#30
Chloroform
Concen: 101.607 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.5	78.7





#31

Cyclohexane

Concen: 105.335 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064215.D

Acq: 21 Oct 2020 12:09

Instrument :

MSVOA_N

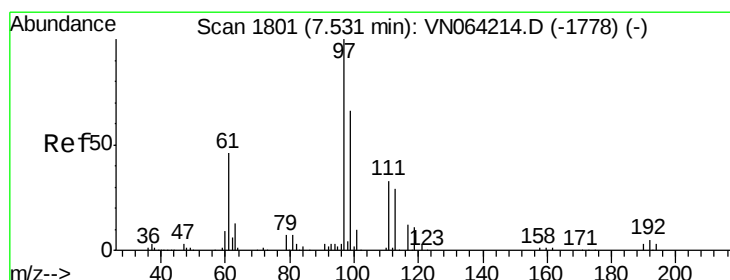
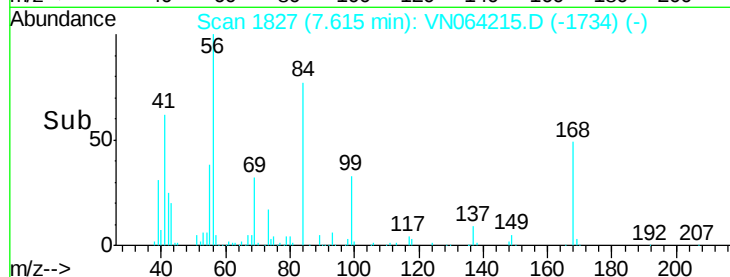
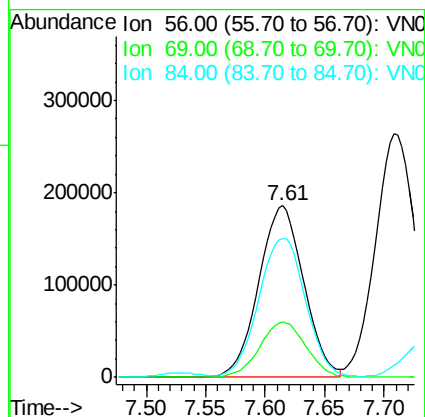
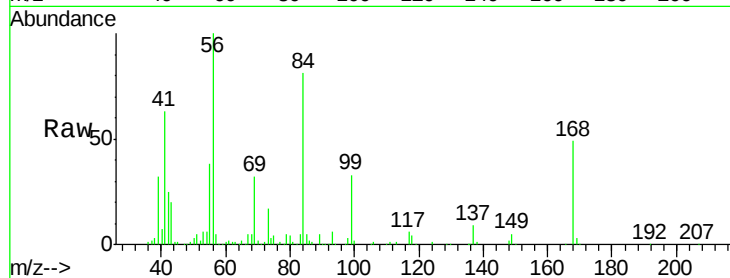
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	487464
Ion Ratio	Lower	Upper	
56	100		
69	32.2	29.8	44.6
84	78.8	68.1	102.1

Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:13 PM



#32

1,1,1-Trichloroethane

Concen: 109.336 ug/l

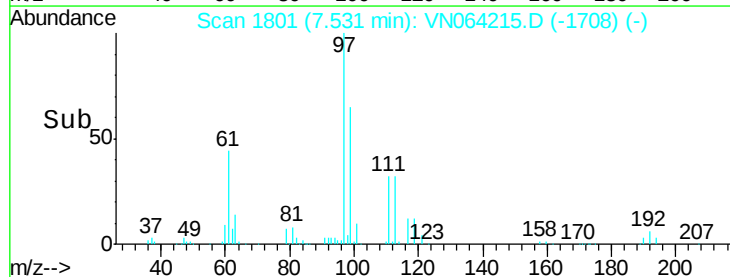
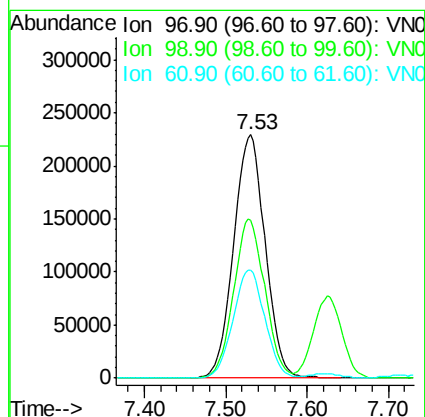
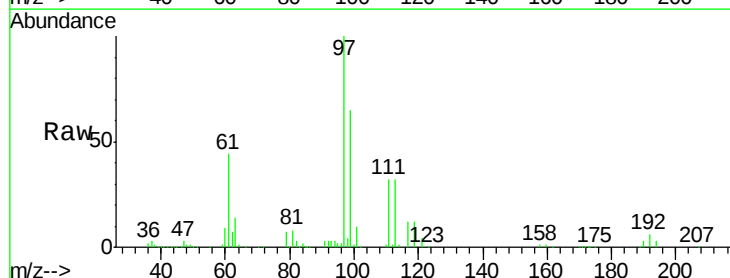
RT: 7.53 min Scan# 1801

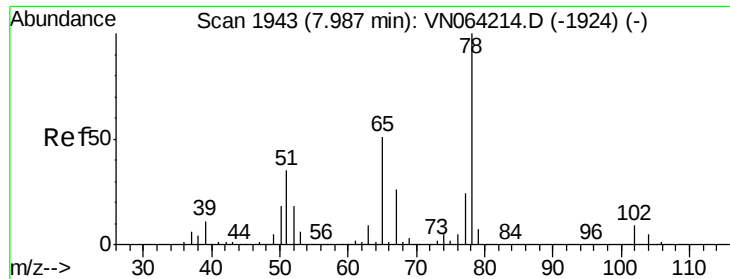
Delta R.T. 0.00 min

Lab File: VN064215.D

Acq: 21 Oct 2020 12:09

Tgt Ion:	97	Resp:	617585
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.2	76.8
61	44.7	36.3	54.5





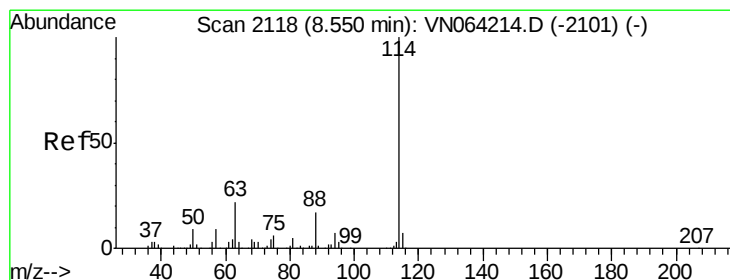
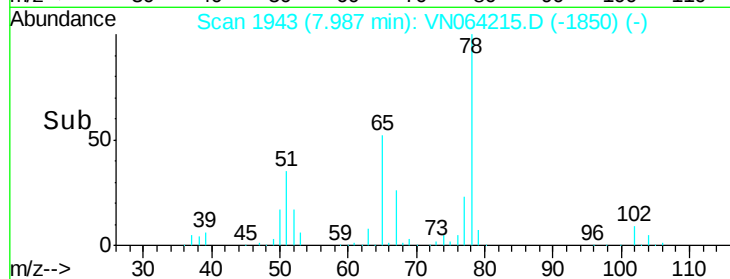
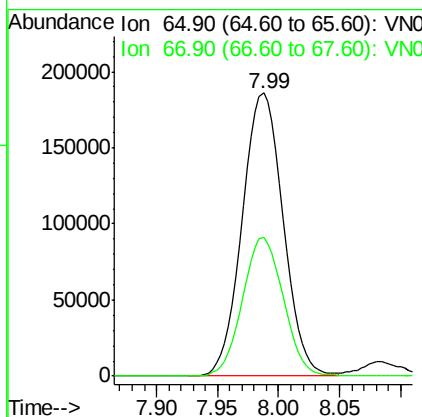
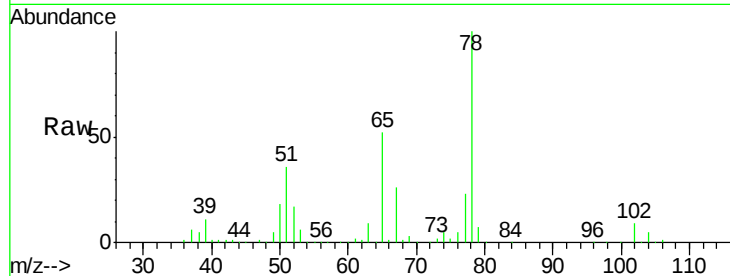
#33
 1,2-Dichloroethane-d4
 Concen: 104.151 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064215.D
 Acq: 21 Oct 2020 12:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	48.9	0.0	100.2	

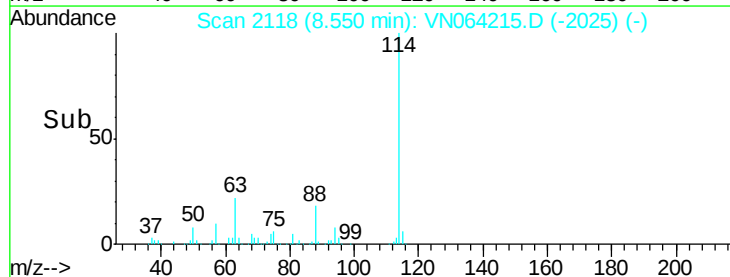
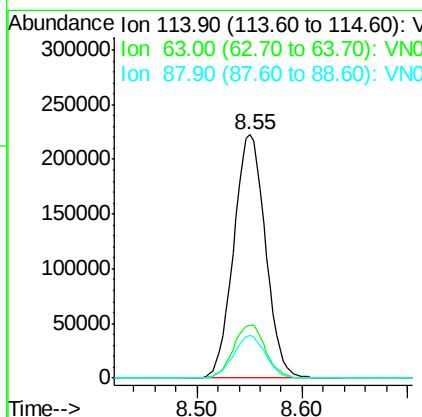
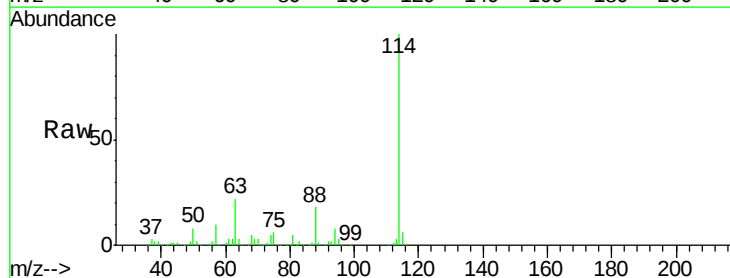
Manual Integrations
 APPROVED

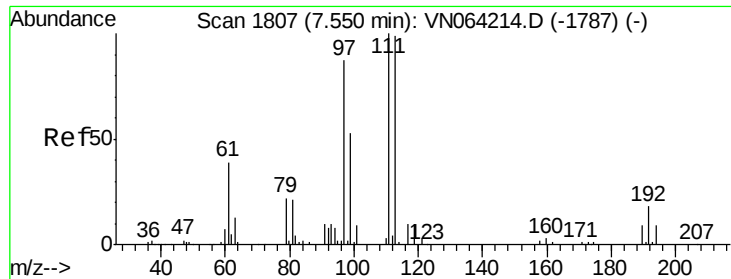
MMDadoda
 10/22/2020 3:25:13 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064215.D
 Acq: 21 Oct 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.9	0.0	44.0	
88	17.6	0.0	34.2	





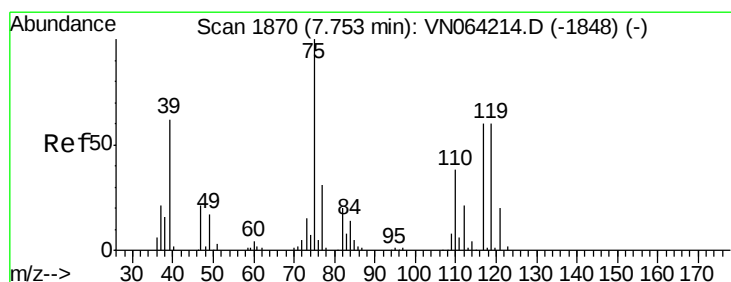
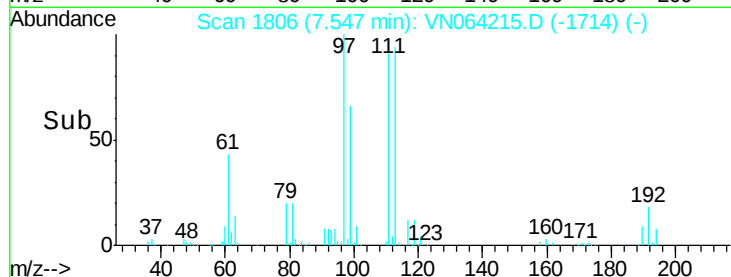
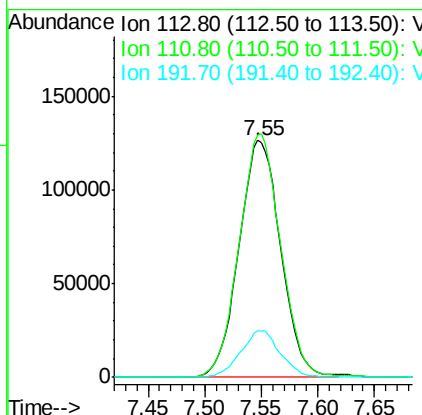
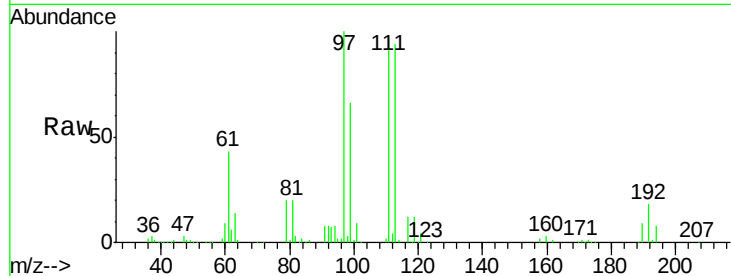
#35
 Dibromofluoromethane
 Concen: 100.756 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064215.D
 Acq: 21 Oct 2020 12:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	323987		
111	102.0	84.2	126.2	
192	18.7	15.2	22.8	

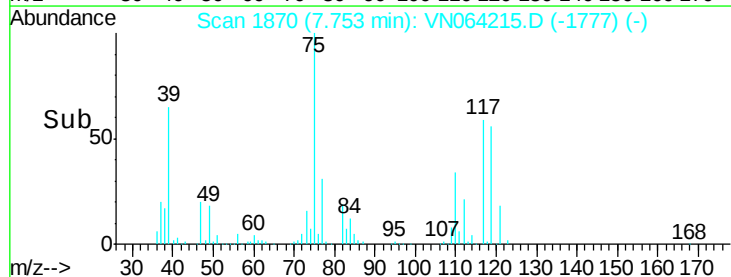
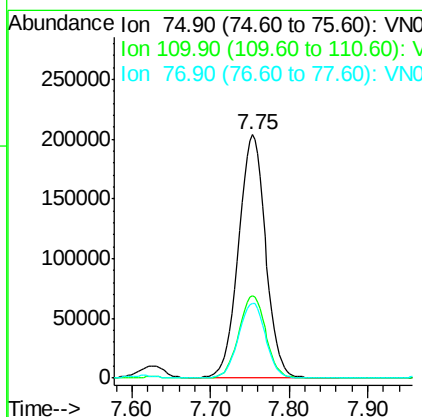
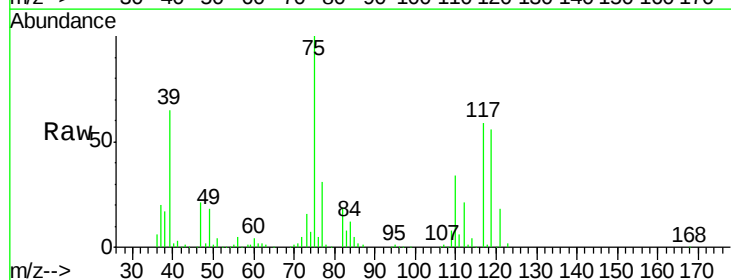
Manual Integrations
 APPROVED

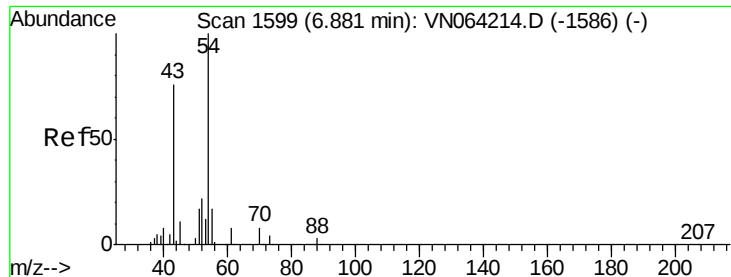
MMDadoda
 10/22/2020 3:25:13 PM



#36
 1,1-Dichloropropene
 Concen: 108.384 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064215.D
 Acq: 21 Oct 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	490306		
110	33.8	17.2	51.6	
77	31.3	24.9	37.3	





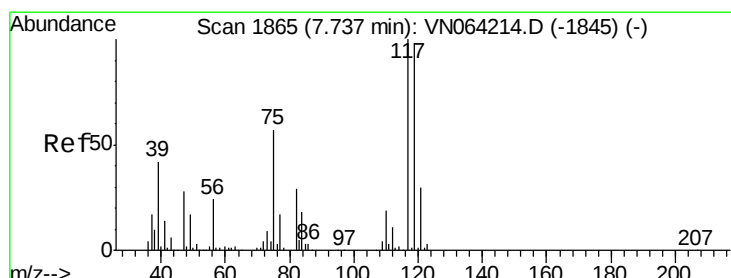
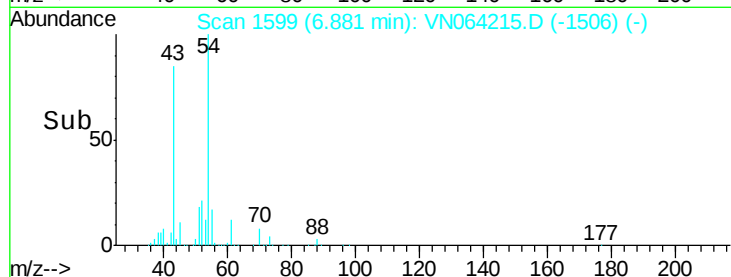
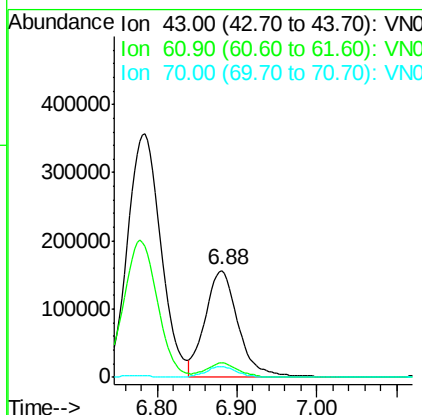
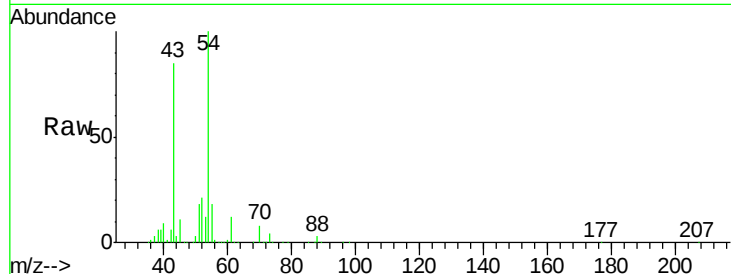
#37
Ethyl Acetate
Concen: 110.426 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.0	15.0
70	9.7	7.5	11.3

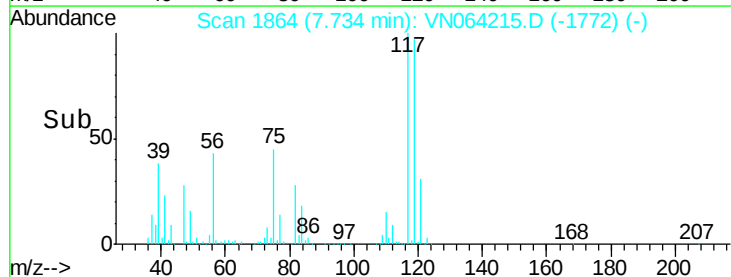
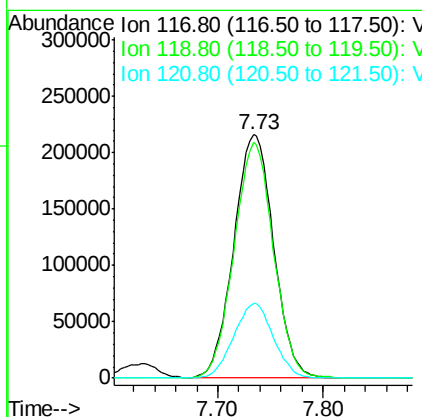
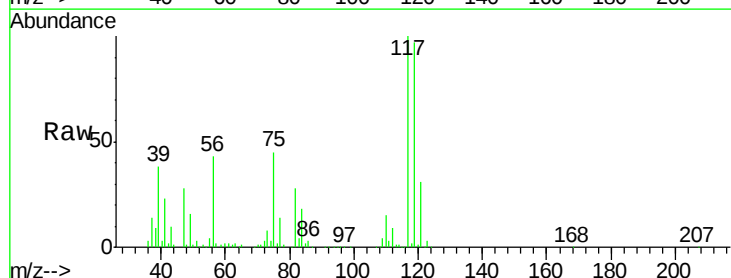
Manual Integrations
APPROVED

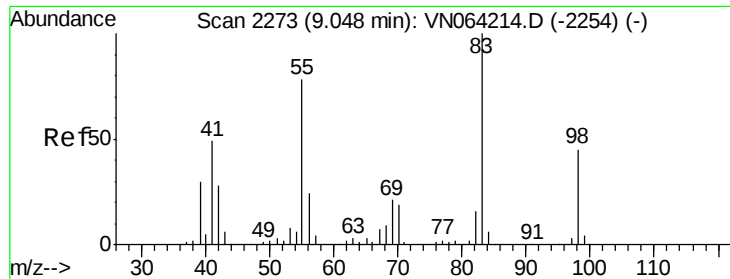
MMDadoda
10/22/2020 3:25:13 PM



#38
Carbon Tetrachloride
Concen: 114.210 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	78.5	117.7
121	30.9	24.3	36.5





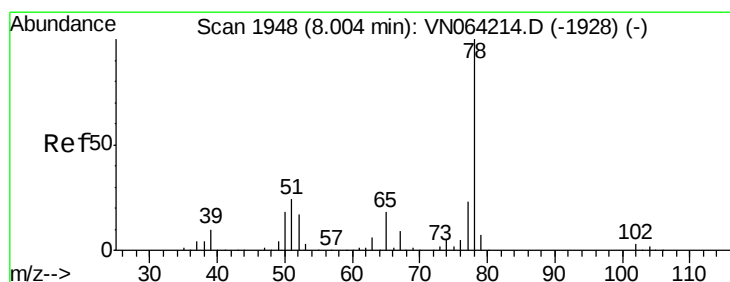
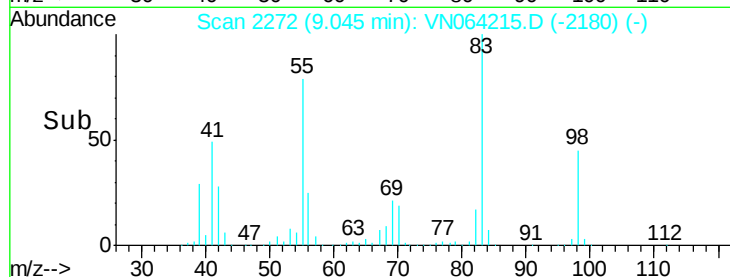
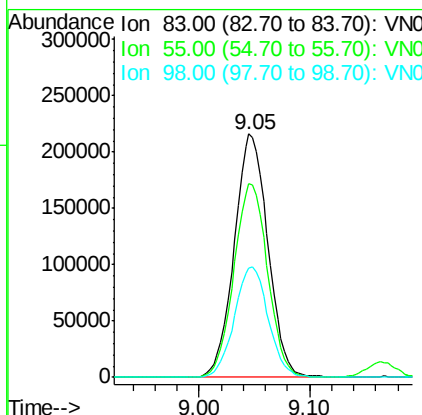
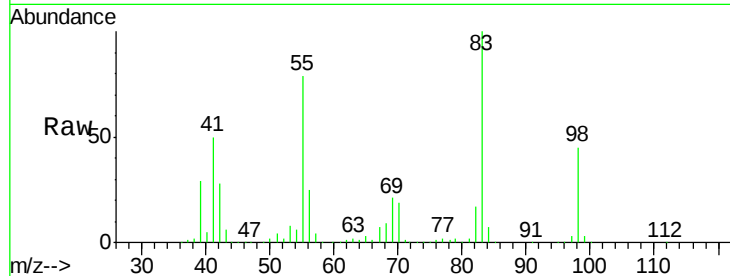
#39
Methvlcvclohexane
Concen: 118.266 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.4	62.2	93.2
98	45.1	35.9	53.9

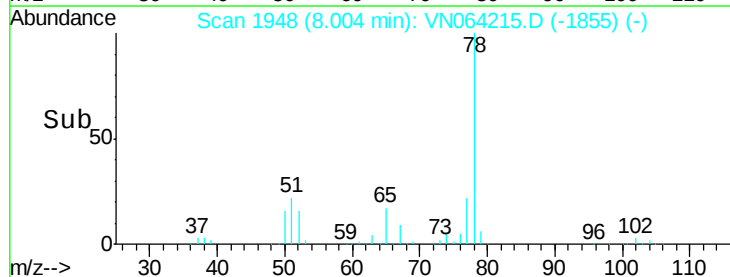
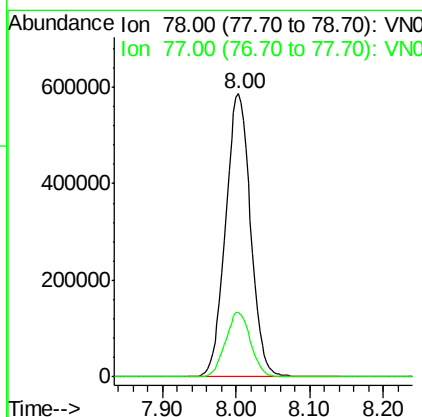
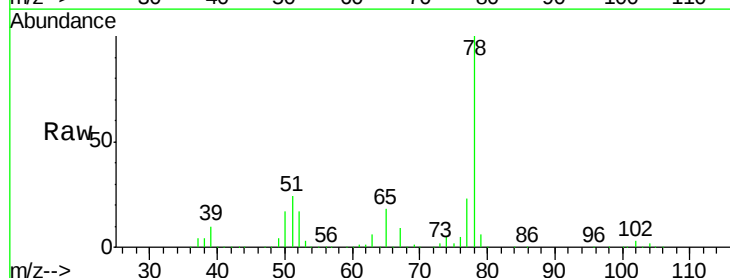
Manual Integrations
APPROVED

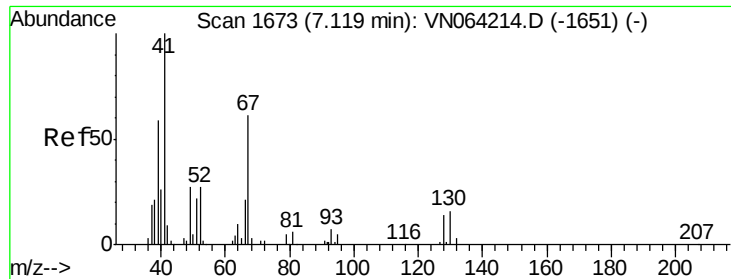
MMDadoda
10/22/2020 3:25:13 PM



#40
Benzene
Concen: 102.284 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.3	27.5





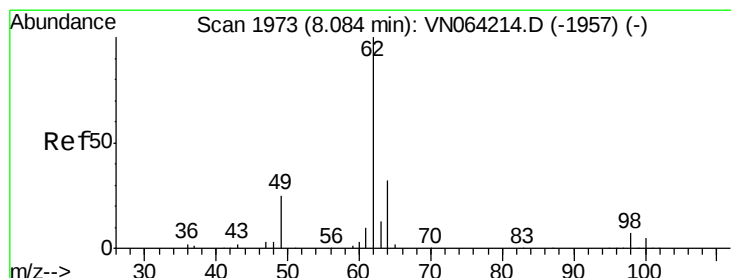
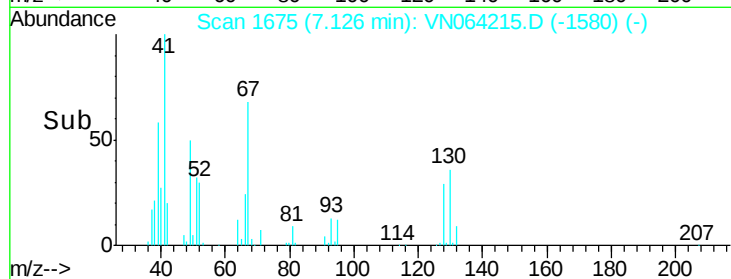
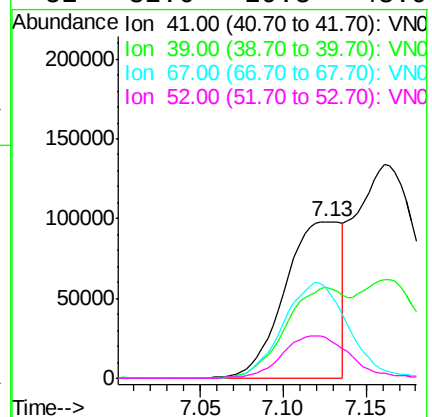
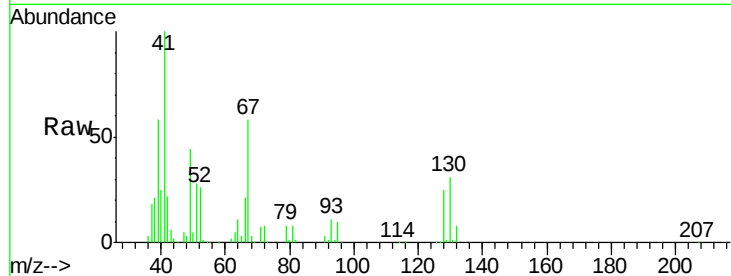
#41
Methacrylonitrile
Concen: 131.789 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.01 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.0	50.5	75.7
67	71.2	63.2	94.8
52	32.6	29.3	43.9

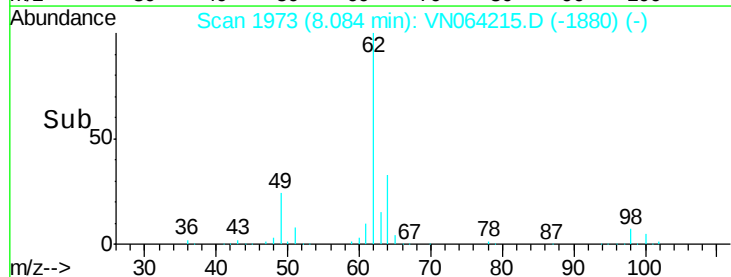
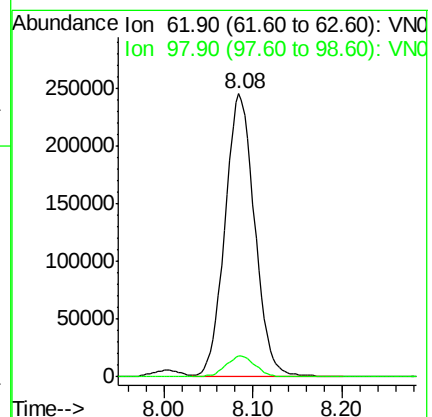
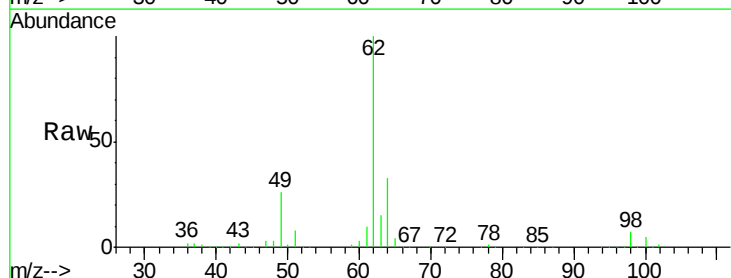
Manual Integrations
APPROVED

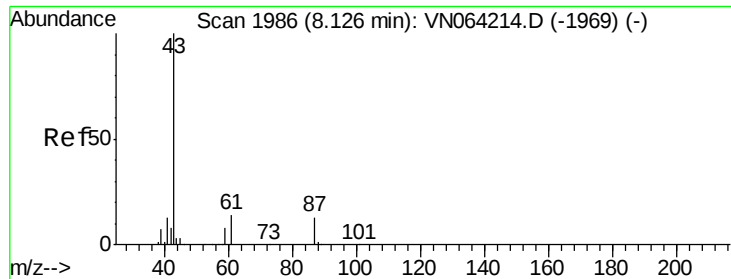
MMDadoda
10/22/2020 3:25:13 PM



#42
1,2-Dichloroethane
Concen: 114.245 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.0





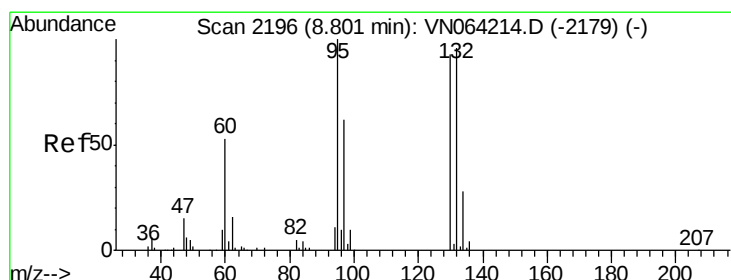
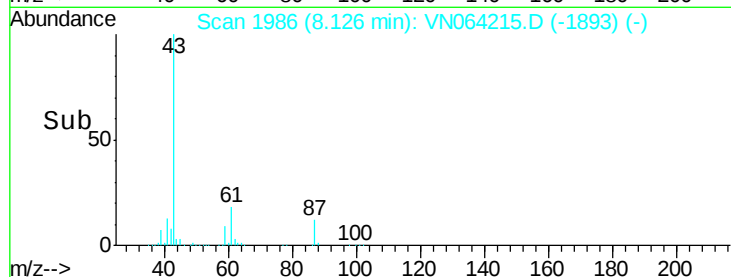
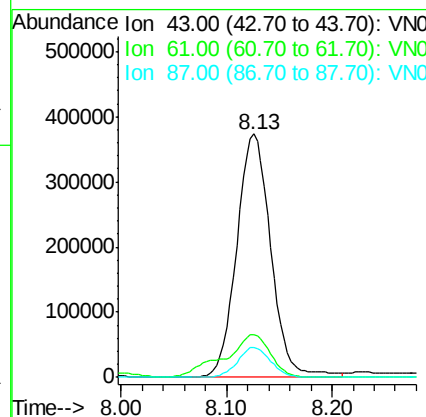
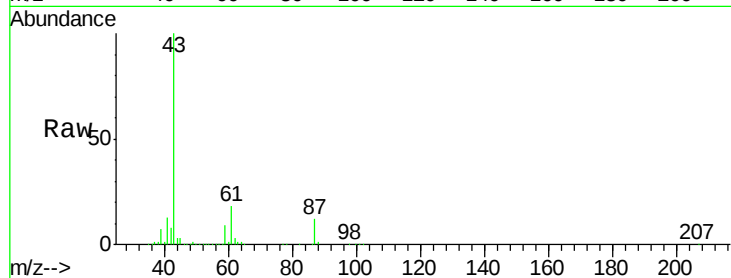
#43
Isopropyl Acetate
Concen: 122.235 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.6	19.6	29.4
87	11.9	9.8	14.6

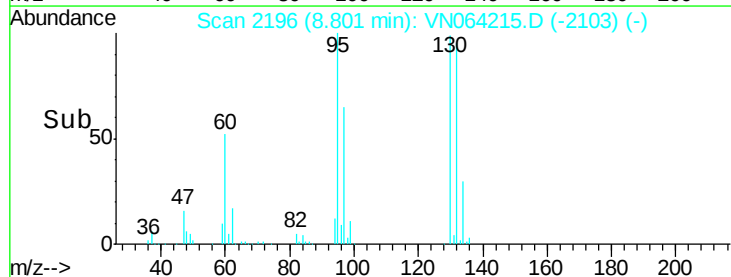
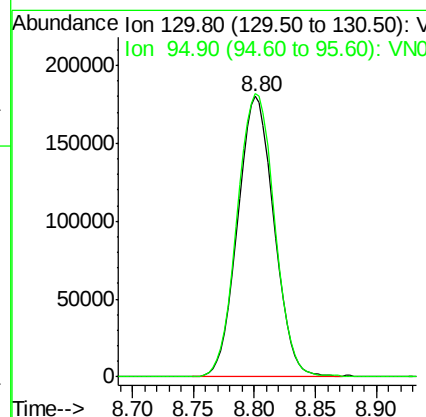
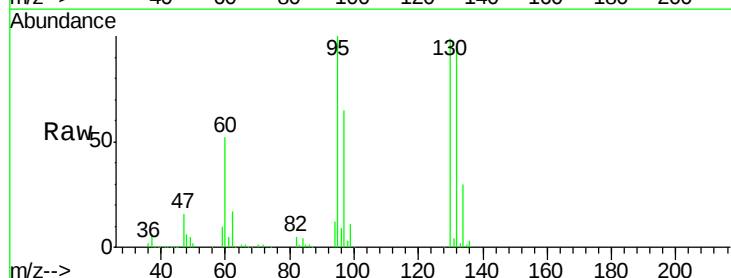
Manual Integrations
APPROVED

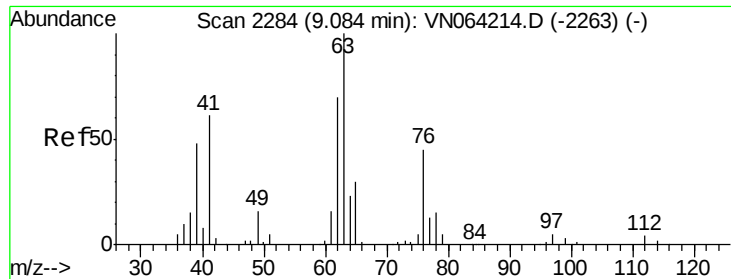
MMDadoda
10/22/2020 3:25:13 PM



#44
Trichloroethene
Concen: 104.252 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	214.0





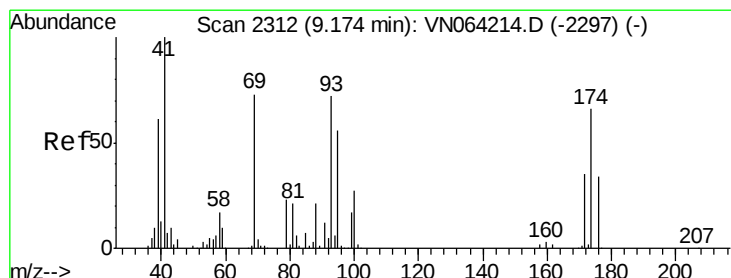
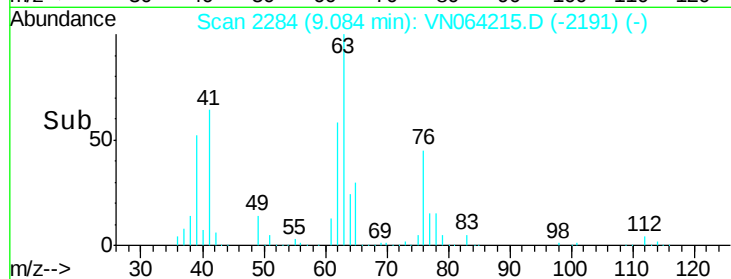
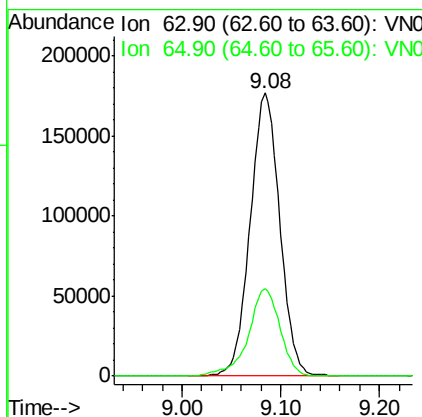
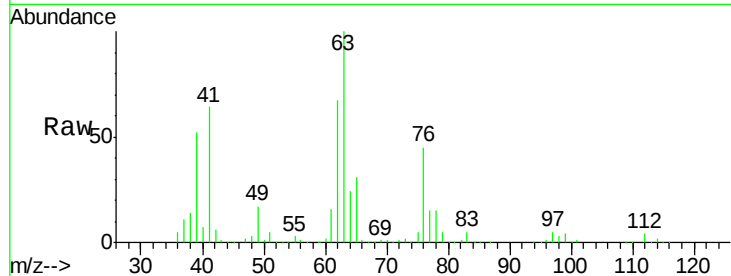
#45
 1,2-Dichloropropane
 Concen: 102.639 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064215.D
 Acq: 21 Oct 2020 12:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 365928
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.0 36.0

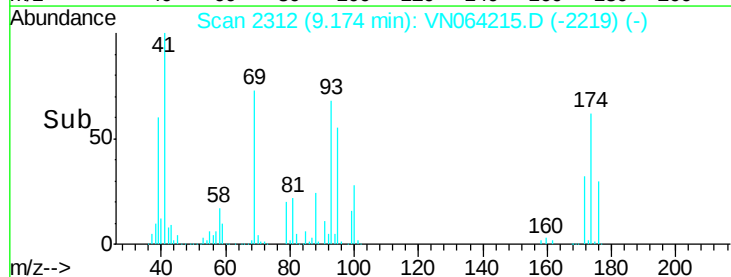
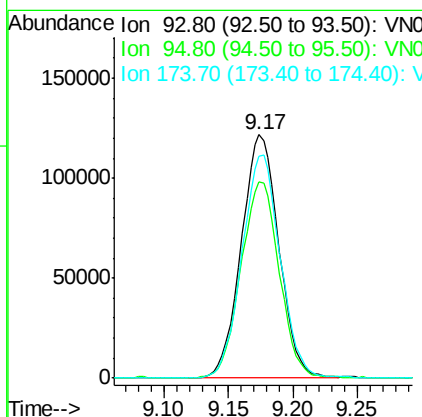
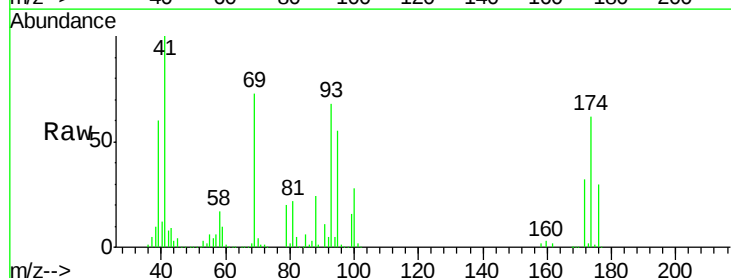
Manual Integrations
 APPROVED

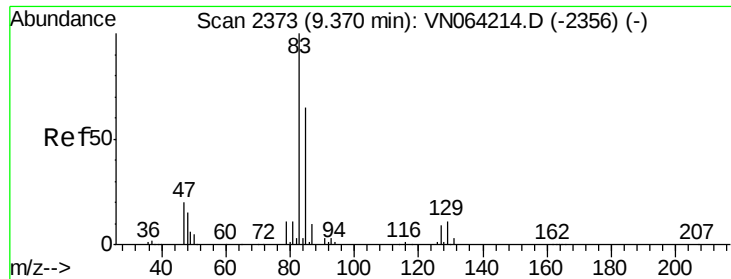
MMDadoda
 10/22/2020 3:25:13 PM



#46
 Dibromomethane
 Concen: 98.018 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064215.D
 Acq: 21 Oct 2020 12:09

Tgt Ion: 93 Resp: 247217
 Ion Ratio Lower Upper
 93 100
 95 82.3 63.0 94.4
 174 93.4 72.9 109.3





#47

Bromodichloromethane

Concen: 109.015 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064215.D

Acq: 21 Oct 2020 12:09

Instrument :

MSVOA_N

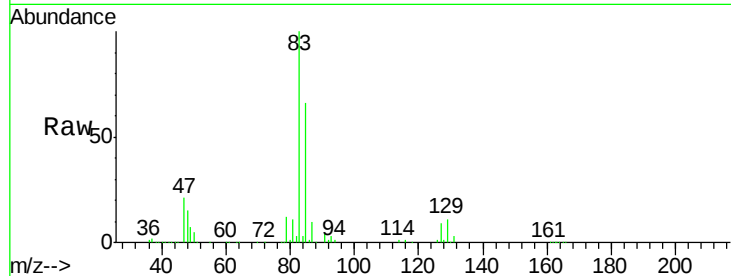
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	543665
Ion Ratio	Lower	Upper	
83	100		
85	66.1	51.8	77.8
127	9.1	7.4	11.0

Manual Integrations
APPROVED

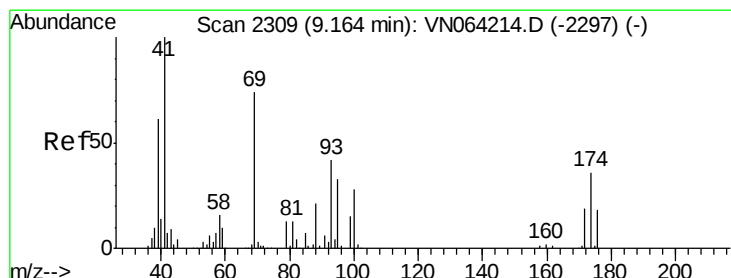
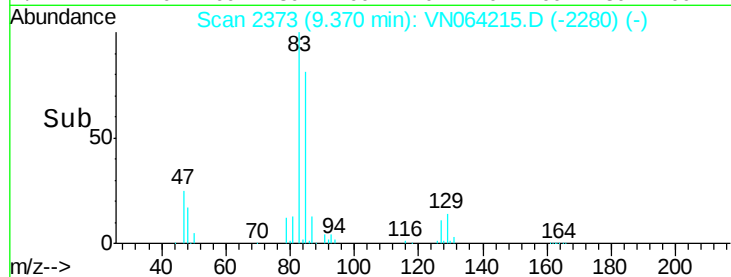
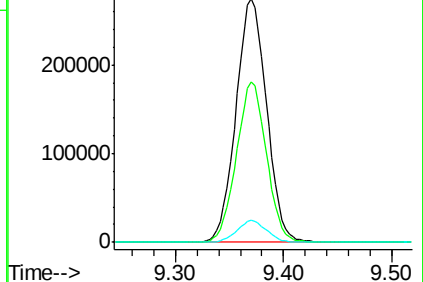
MMDadoda
10/22/2020 3:25:13 PM



Abundance Ion 82.90 (82.60 to 83.60): VN064215.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN064215.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN064215.D (-2280) (-)



#48

Methyl methacrylate

Concen: 132.709 ug/l

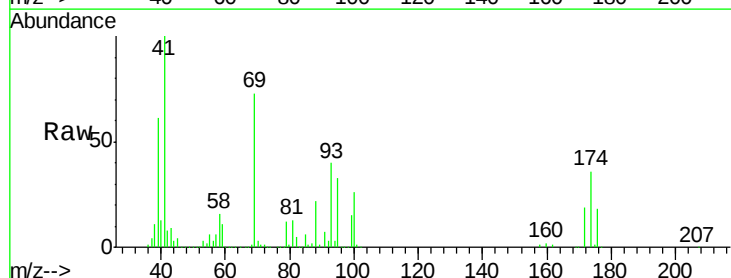
RT: 9.16 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN064215.D

Acq: 21 Oct 2020 12:09

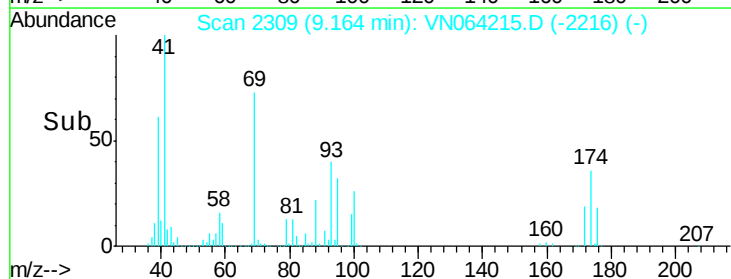
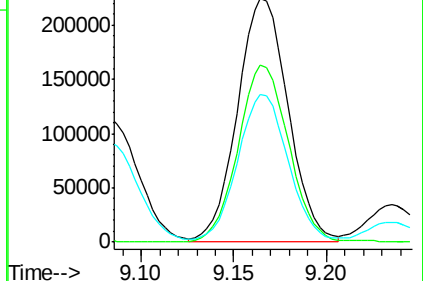
Tgt Ion:	41	Resp:	424924
Ion Ratio	Lower	Upper	
41	100		
69	72.3	57.3	85.9
39	60.4	48.6	73.0

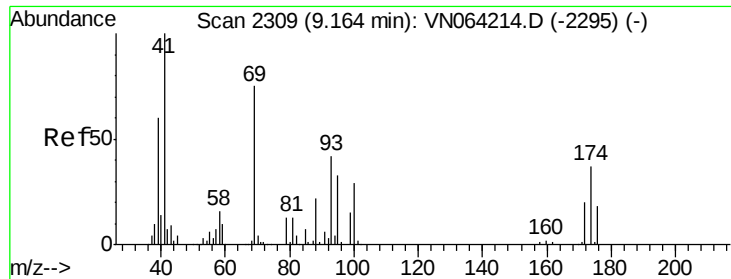


Abundance Ion 41.00 (40.70 to 41.70): VN064215.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN064215.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN064215.D (-2216) (-)





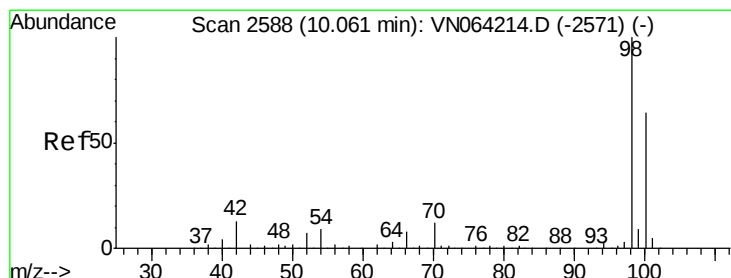
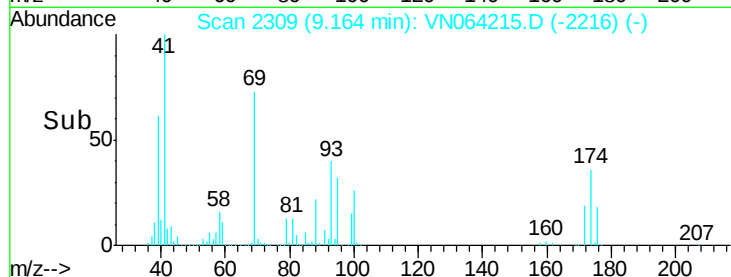
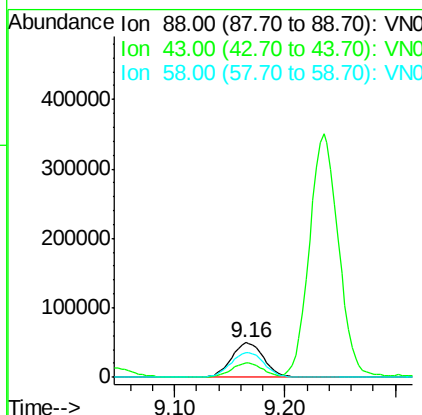
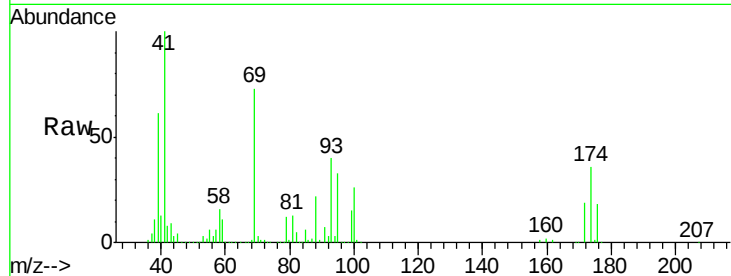
#49
1,4-Dioxane
Concen: 2161.381 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.1	34.6	52.0
58	73.3	59.0	88.6

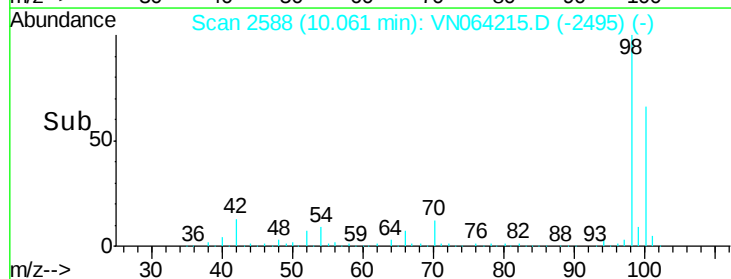
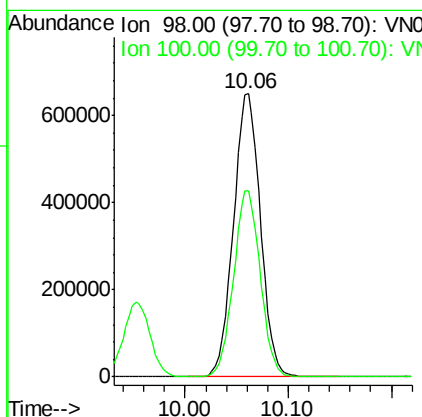
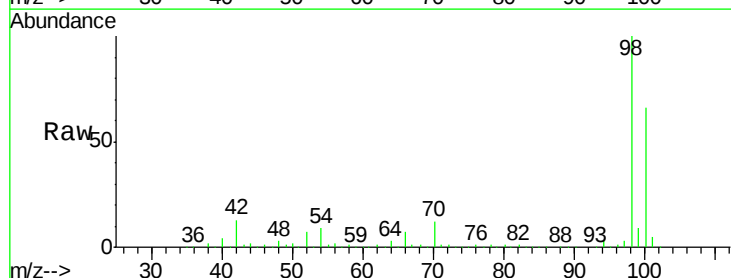
Manual Integrations
APPROVED

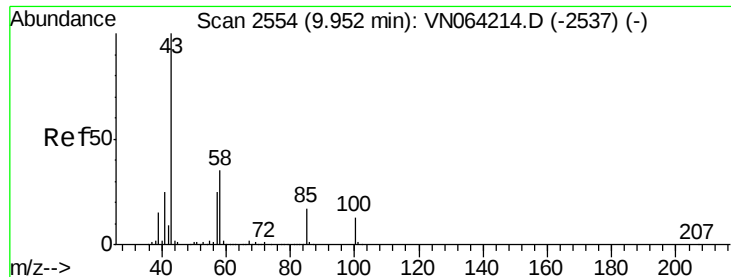
MMDadoda
10/22/2020 3:25:13 PM



#50
Toluene-d8
Concen: 97.830 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	50.8	76.2





#51

4-Methyl-2-Pentanone

Concen: 573.618 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064215.D

Acq: 21 Oct 2020 12:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2276118

Ion Ratio Lower Upper

43 100

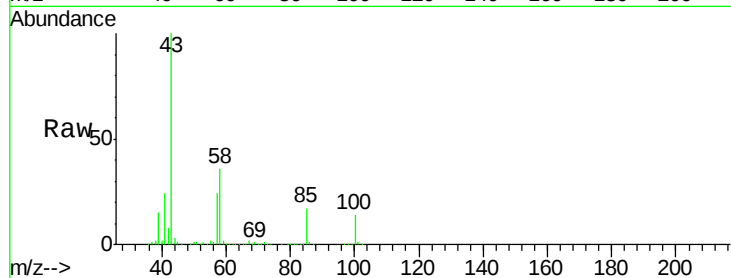
58 36.4 28.6 42.8

Manual Integrations

APPROVED

MMDadoda

10/22/2020 3:25:13 PM



Abundance Ion 43.00 (42.70 to 43.70): VN064215.D (-2461) (-)

Ion 58.00 (57.70 to 58.70): VN064215.D (-2461) (-)

1500000

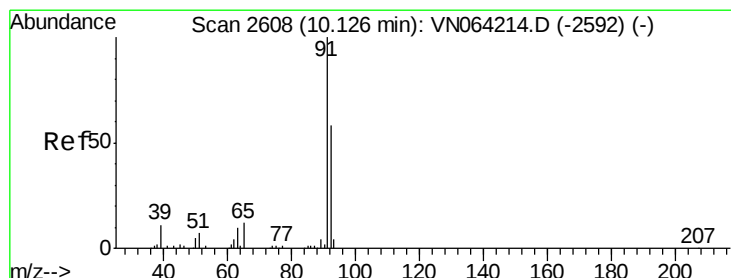
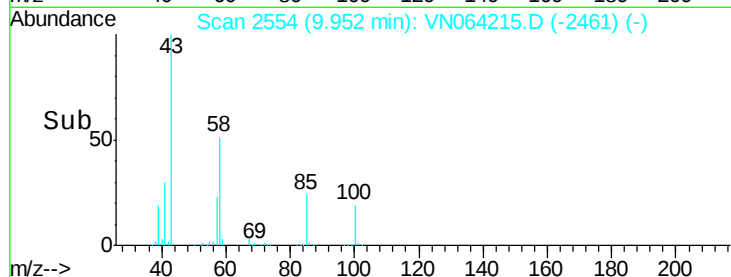
1000000

500000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 106.784 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064215.D

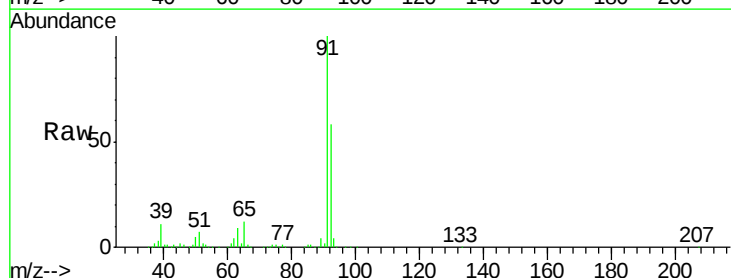
Acq: 21 Oct 2020 12:09

Tgt Ion: 92 Resp: 886531

Ion Ratio Lower Upper

92 100

91 172.8 137.4 206.2



Abundance Ion 92.00 (91.70 to 92.70): VN064215.D (-2515) (-)

Ion 91.00 (90.70 to 91.70): VN064215.D (-2515) (-)

1000000

800000

600000

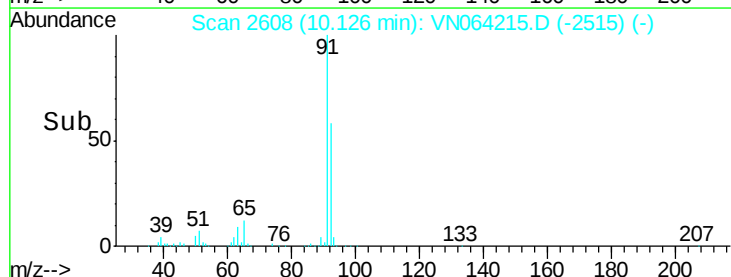
400000

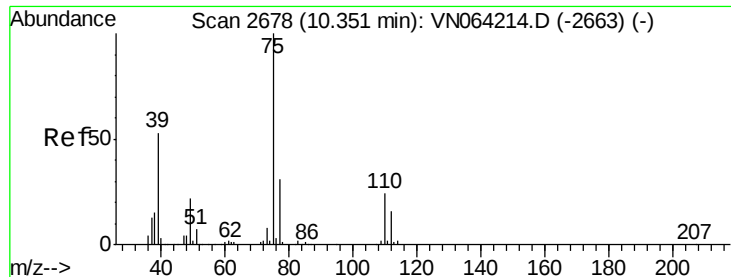
200000

0

10.00 10.10 10.13 10.20

Time-->





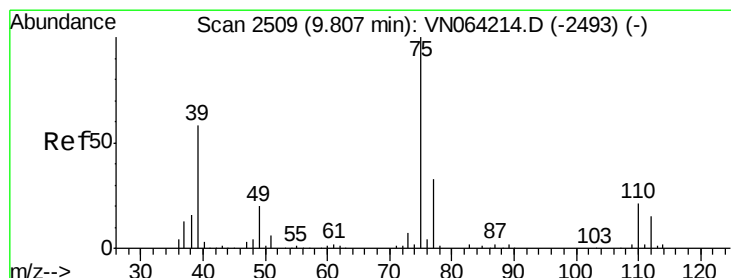
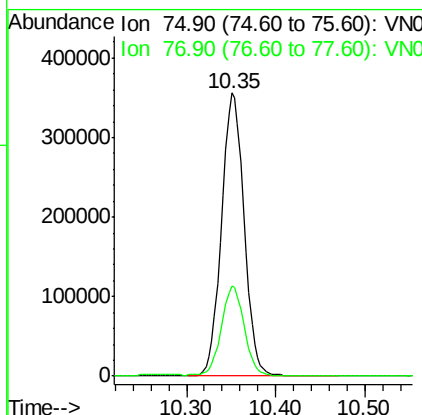
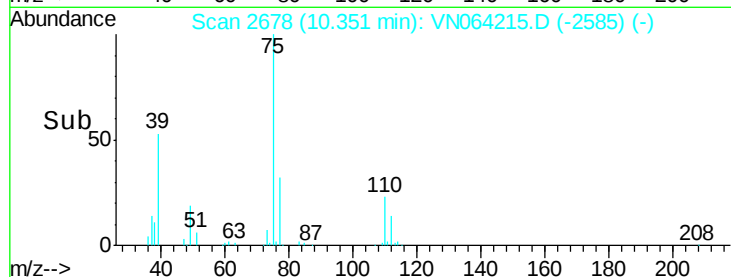
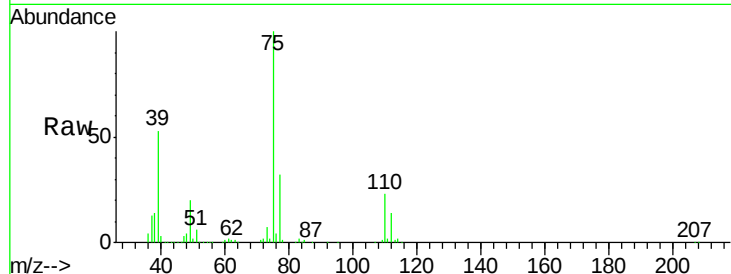
#53
t-1,3-Dichloropropene
Concen: 120.518 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 624146
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.2

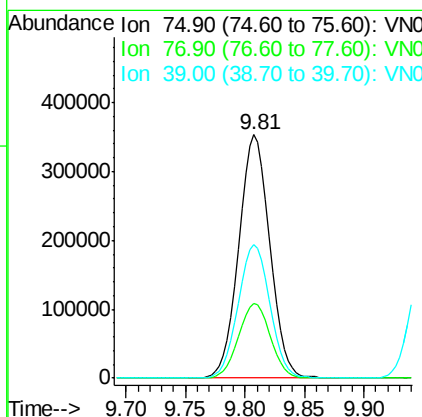
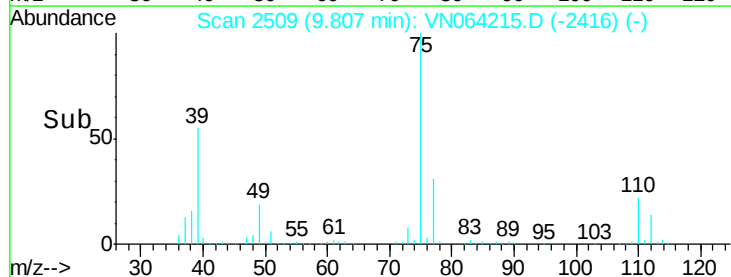
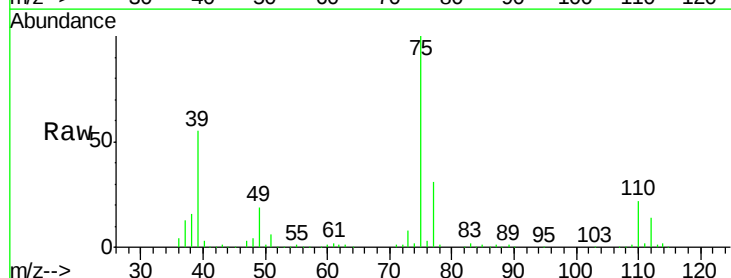
Manual Integrations
APPROVED

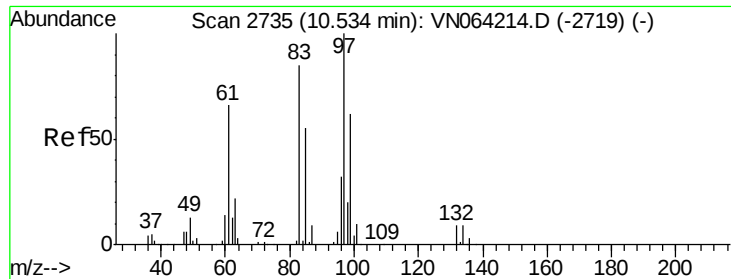
MMDadoda
10/22/2020 3:25:13 PM



#54
cis-1,3-Dichloropropene
Concen: 113.346 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Tgt Ion: 75 Resp: 640066
Ion Ratio Lower Upper
75 100
77 30.7 26.6 39.8
39 54.8 46.7 70.1





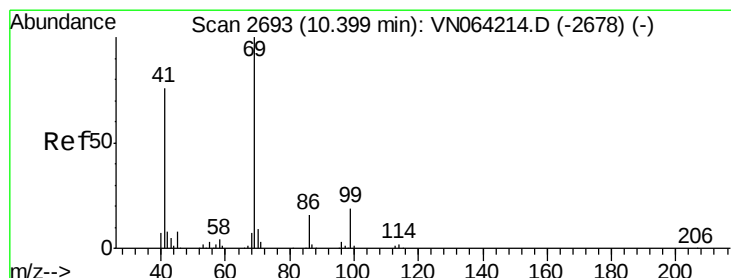
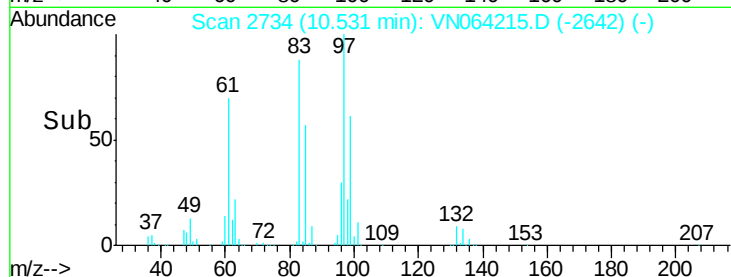
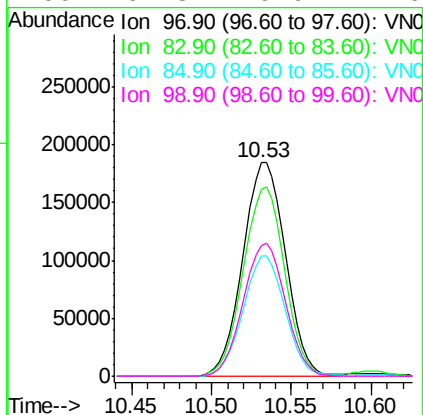
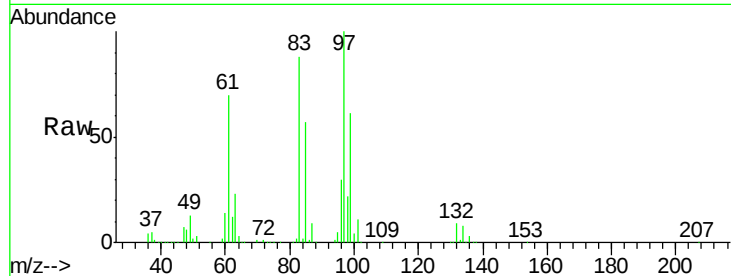
#55
 1,1,2-Trichloroethane
 Concen: 98.410 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064215.D
 Acq: 21 Oct 2020 12:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	336939
Ion	Ratio	Lower	Upper
97	100		
83	87.6	67.8	101.6
85	56.6	43.6	65.4
99	61.3	49.9	74.9

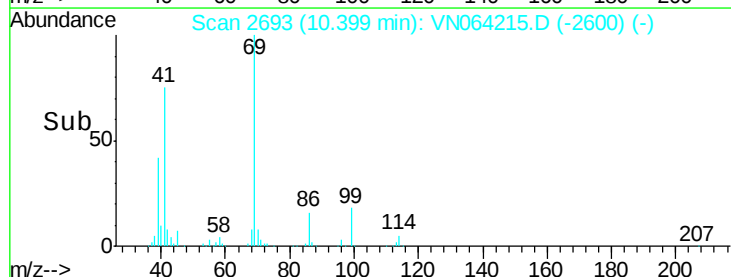
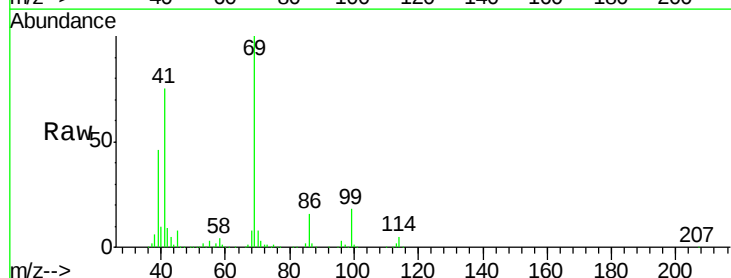
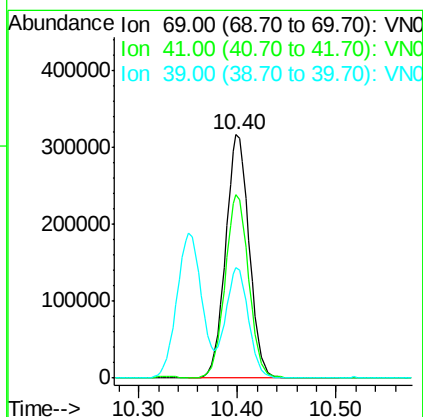
Manual Integrations
 APPROVED

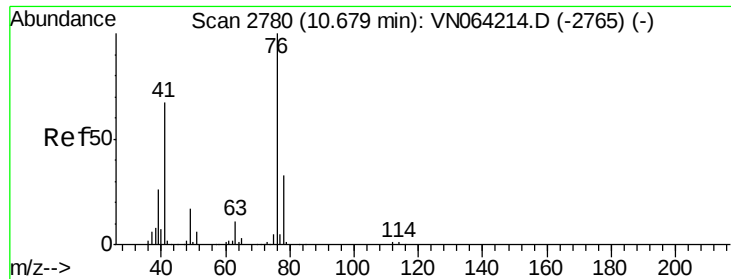
MMDadoda
 10/22/2020 3:25:13 PM



#56
 Ethyl methacrylate
 Concen: 119.407 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064215.D
 Acq: 21 Oct 2020 12:09

Tgt Ion:	69	Resp:	530941
Ion	Ratio	Lower	Upper
69	100		
41	75.1	61.4	92.2
39	44.2	36.0	54.0





#57

1,3-Dichloropropane

Concen: 103.378 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064215.D

Acq: 21 Oct 2020 12:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 587477

Ion Ratio Lower Upper

76 100

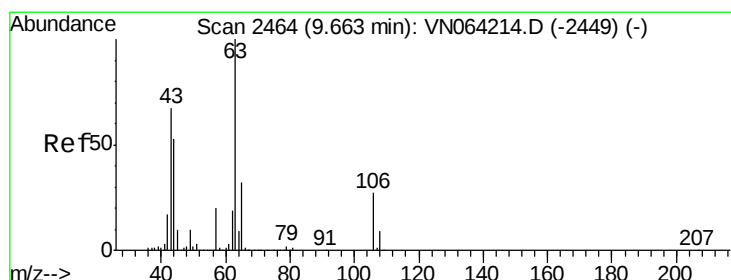
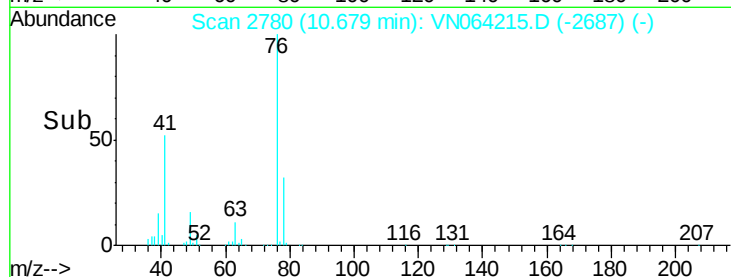
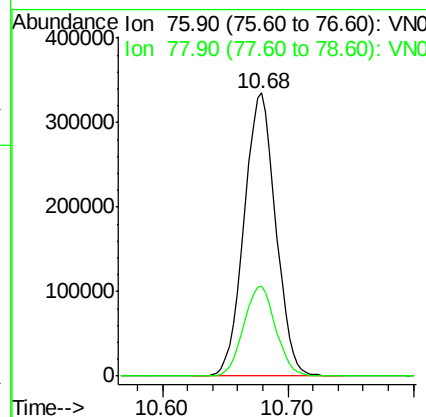
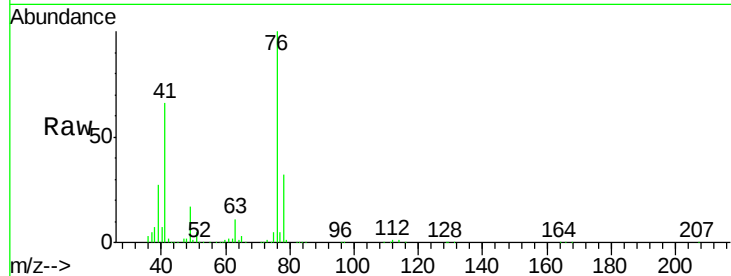
78 32.4 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

10/22/2020 3:25:13 PM



#58

2-Chloroethyl Vinyl ether

Concen: 607.584 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064215.D

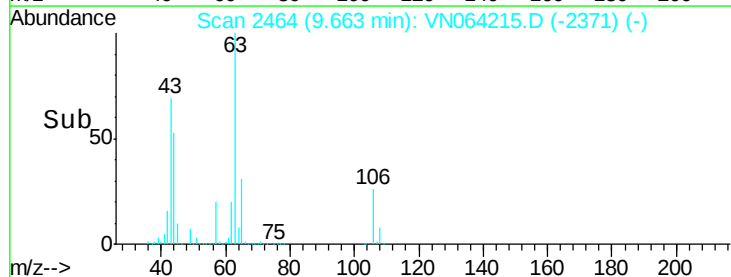
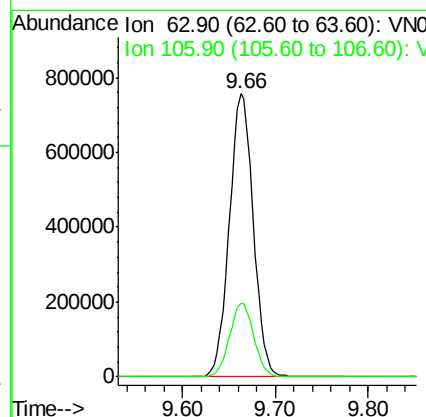
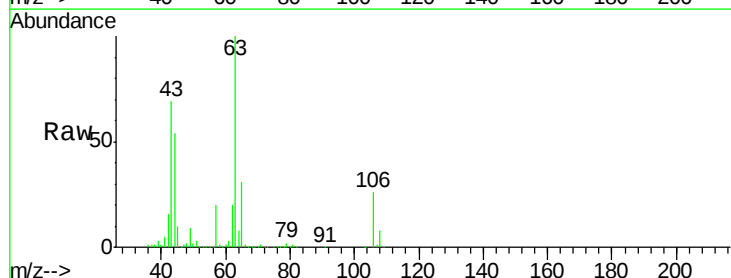
Acq: 21 Oct 2020 12:09

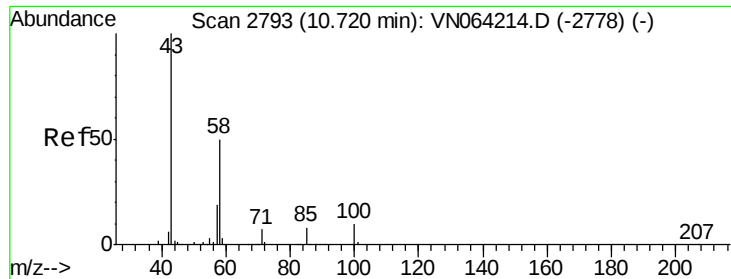
Tgt Ion: 63 Resp: 1353846

Ion Ratio Lower Upper

63 100

106 26.3 21.3 31.9





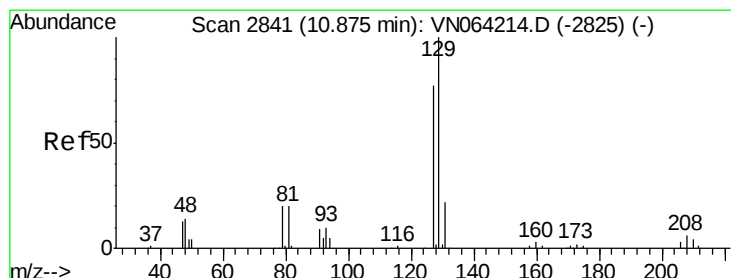
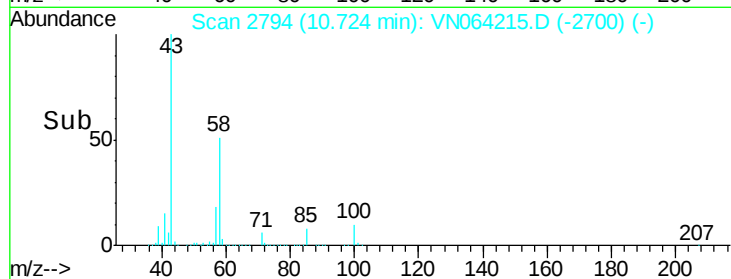
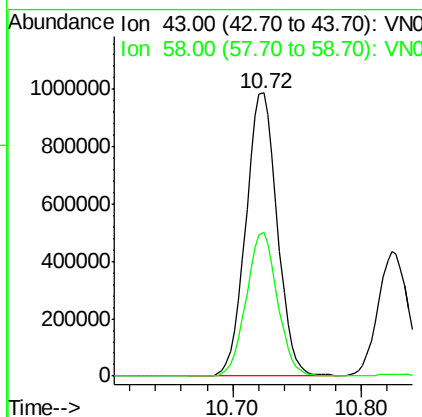
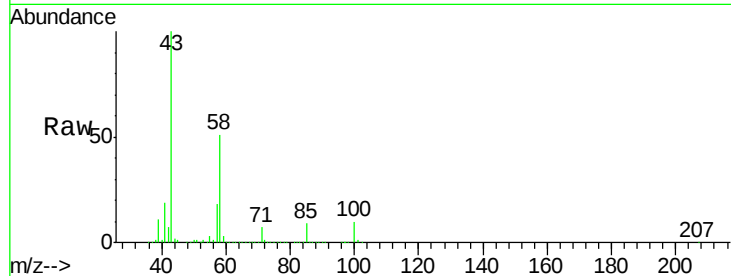
#59
2-Hexanone
Concen: 598.159 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1671719
Ion Ratio Lower Upper
43 100
58 50.3 24.8 74.3

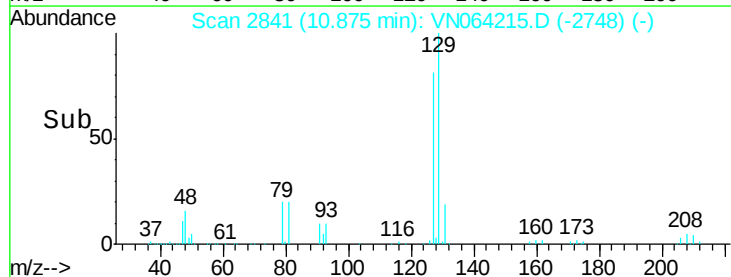
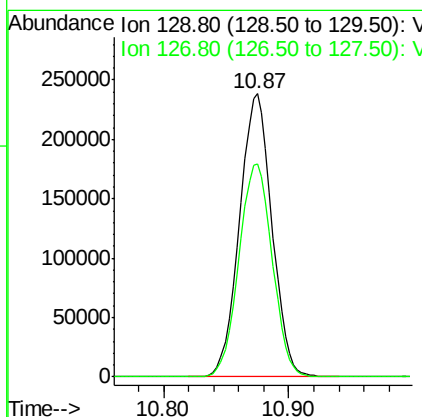
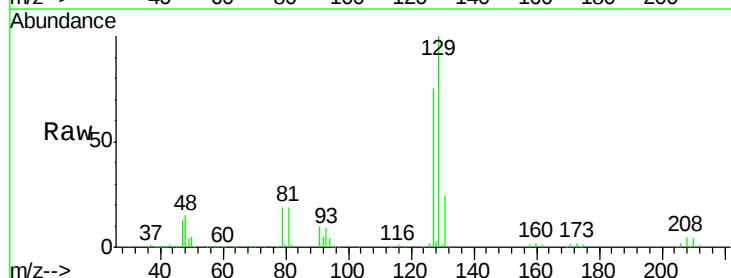
Manual Integrations
APPROVED

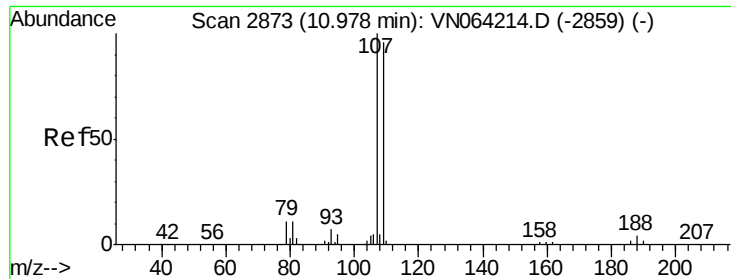
MMDadoda
10/22/2020 3:25:13 PM



#60
Dibromochloromethane
Concen: 109.779 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Tgt Ion: 129 Resp: 428054
Ion Ratio Lower Upper
129 100
127 77.5 38.8 116.3





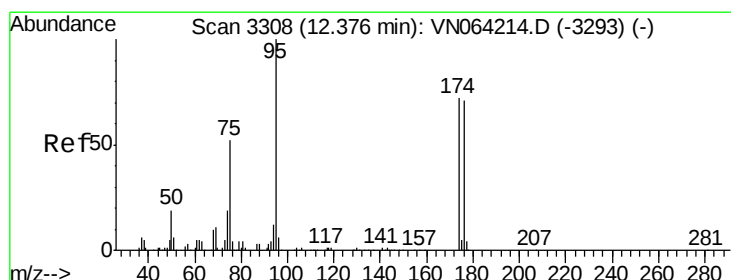
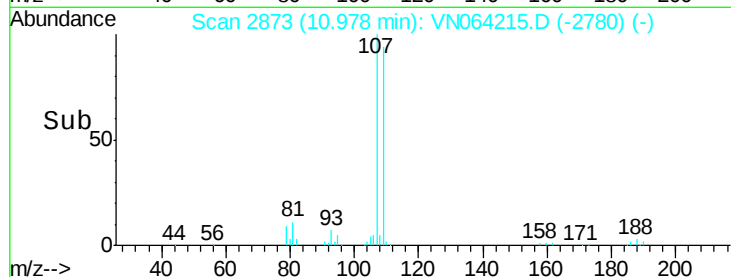
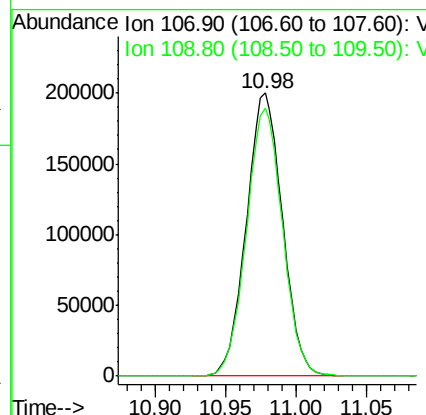
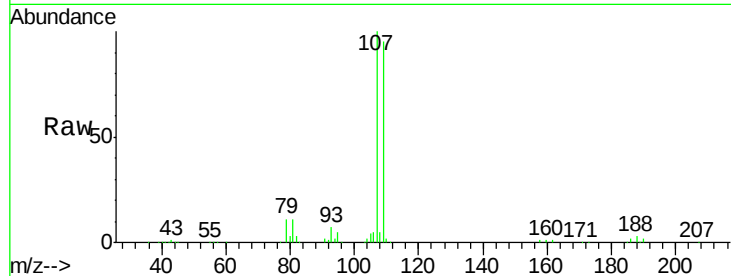
#61
 1,2-Dibromoethane
 Concen: 102.852 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064215.D
 Acq: 21 Oct 2020 12:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	76.2	114.4

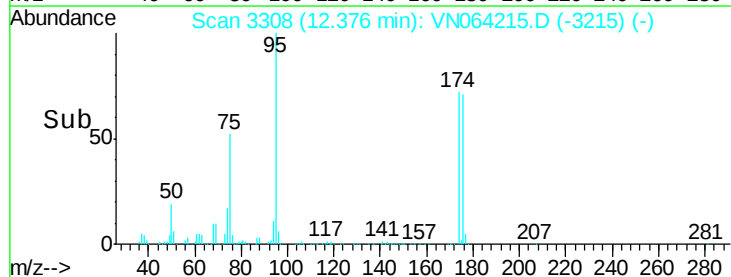
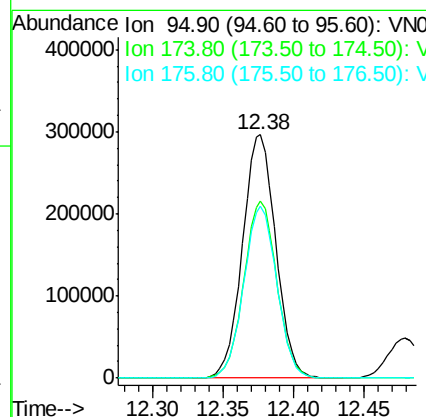
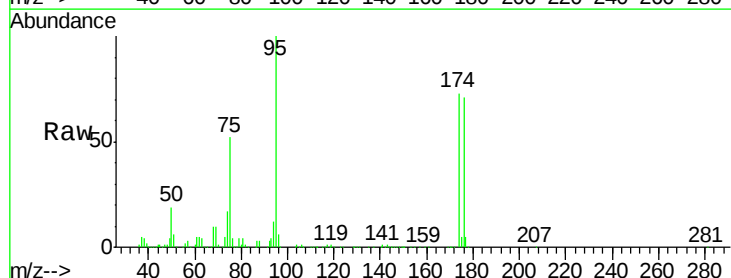
Manual Integrations
 APPROVED

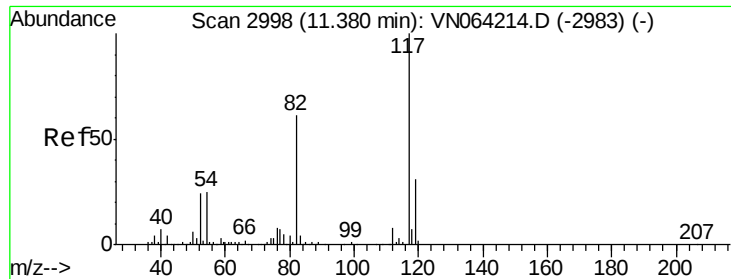
MMDadoda
 10/22/2020 3:25:13 PM



#62
 4-Bromofluorobenzene
 Concen: 114.421 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064215.D
 Acq: 21 Oct 2020 12:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	144.4
176	70.4	0.0	139.2





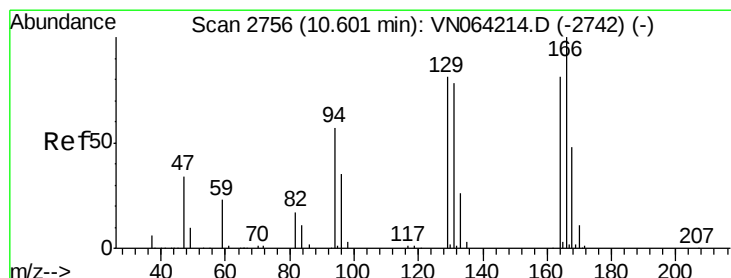
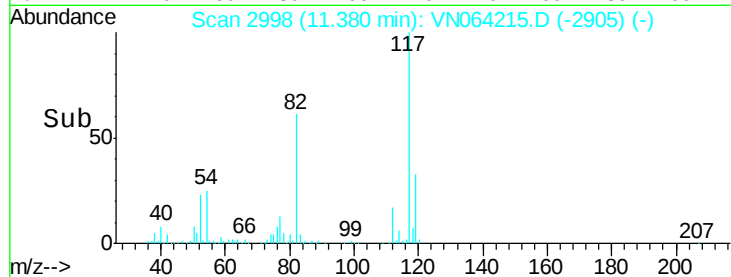
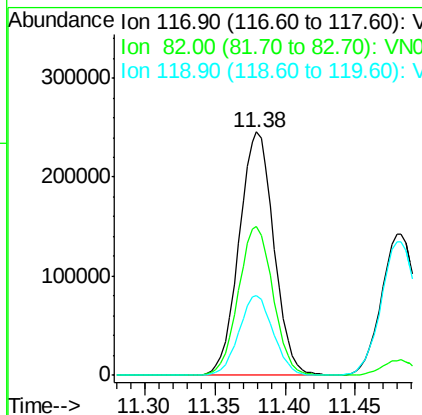
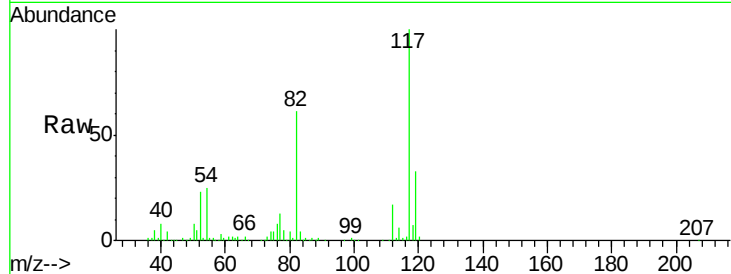
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	424812		
82	61.0	48.8	73.2	
119	33.0	24.7	37.1	

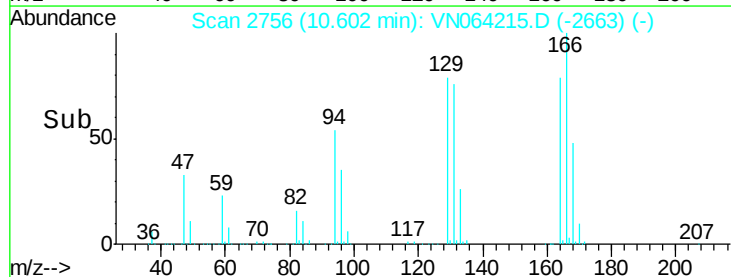
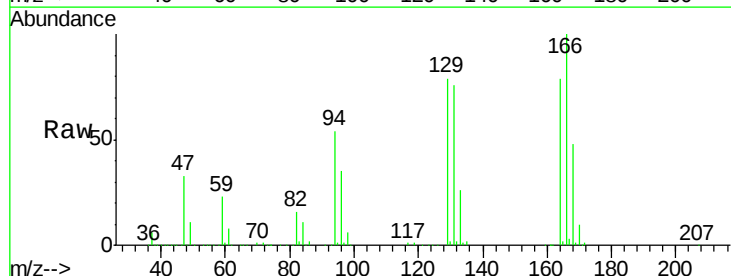
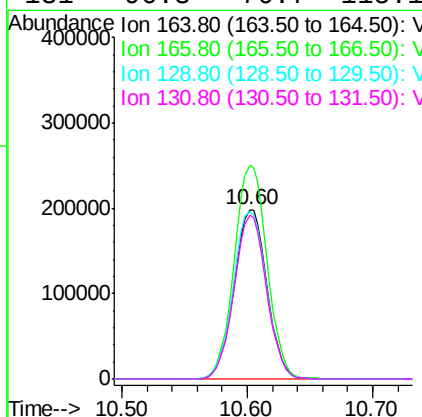
Manual Integrations
APPROVED

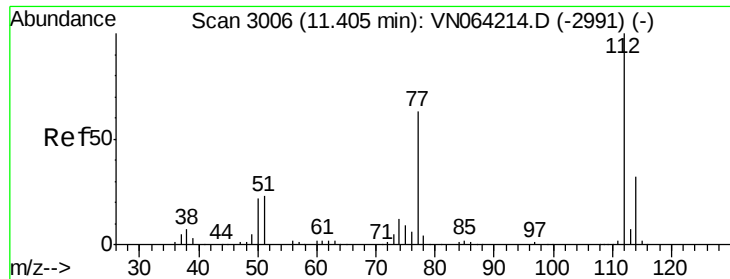
MMDadoda
10/22/2020 3:25:13 PM



#64
Tetrachloroethene
Concen: 111.489 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	361097		
166	125.9	98.9	148.3	
129	99.2	79.9	119.9	
131	96.3	76.7	115.1	





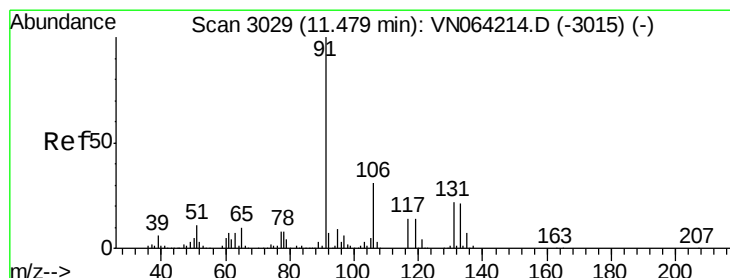
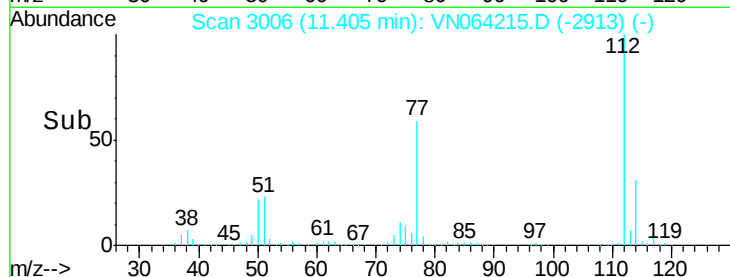
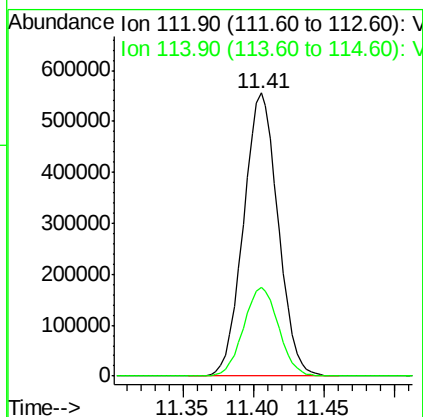
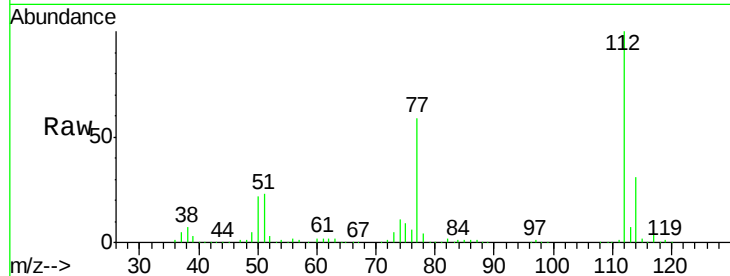
#65
Chlorobenzene
Concen: 106.327 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 952941
Ion Ratio Lower Upper
112 100
114 31.2 25.7 38.5

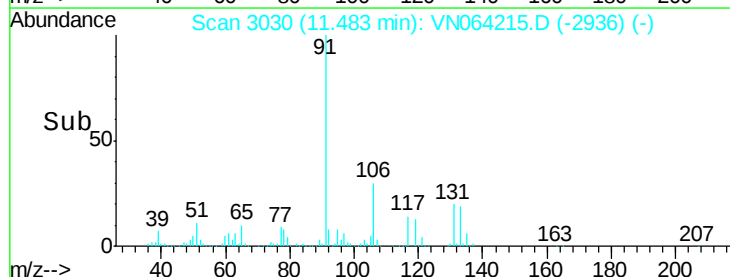
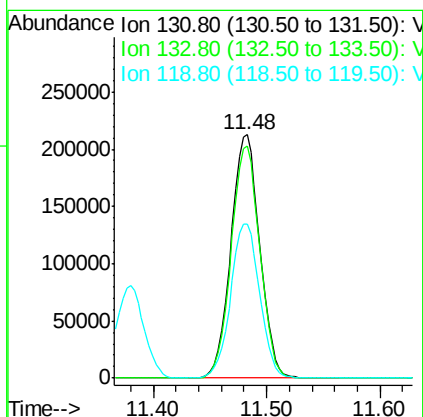
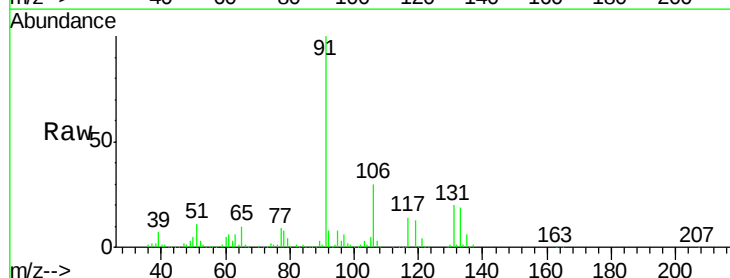
Manual Integrations
APPROVED

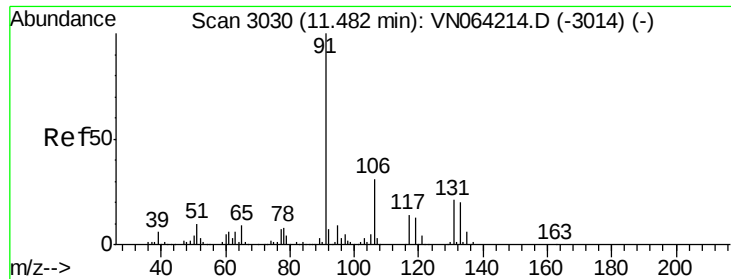
MMDadoda
10/22/2020 3:25:13 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 109.810 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Tgt Ion:131 Resp: 376272
Ion Ratio Lower Upper
131 100
133 94.8 47.8 143.4
119 64.0 32.2 96.6





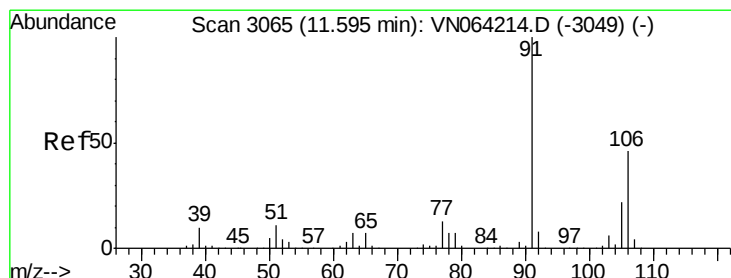
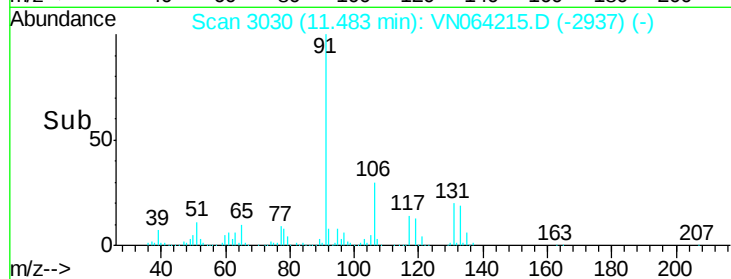
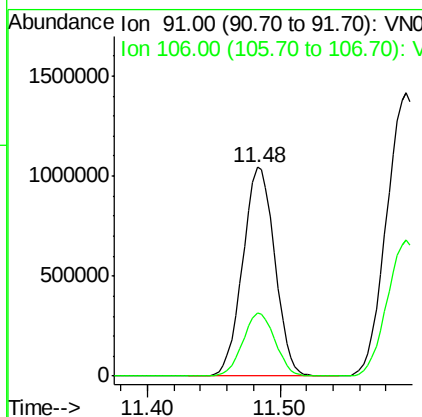
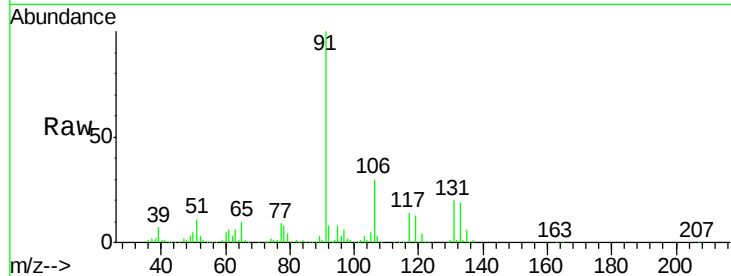
#67
Ethyl Benzene
Concen: 115.544 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1753633
Ion Ratio Lower Upper
91 100
106 30.0 24.8 37.2

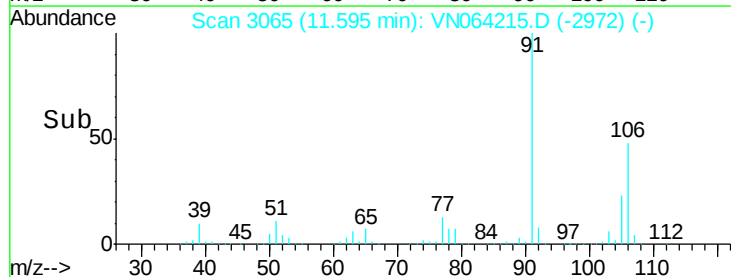
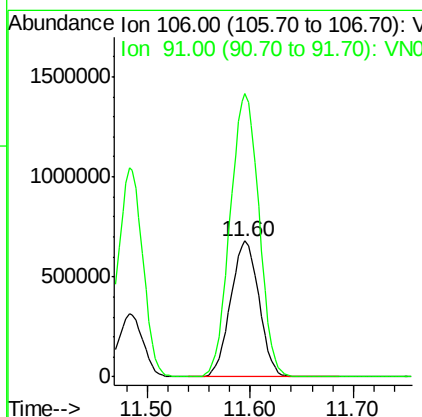
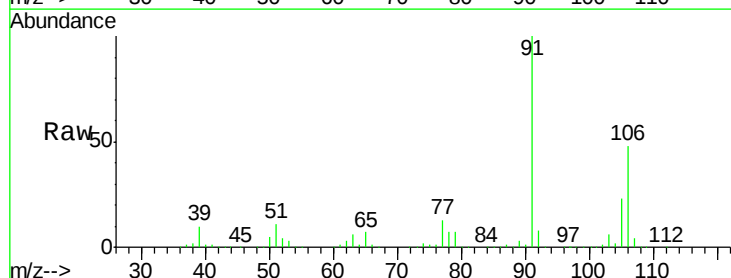
Manual Integrations
APPROVED

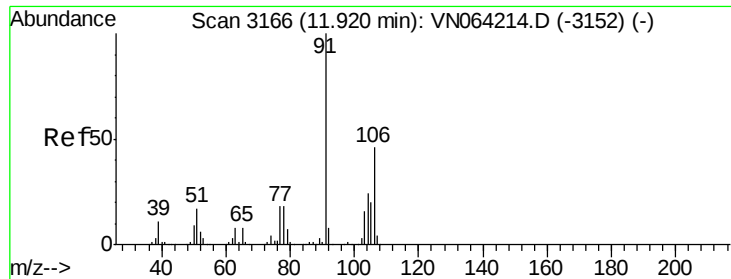
MMDadoda
10/22/2020 3:25:13 PM



#68
m/p-Xylenes
Concen: 232.684 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Tgt Ion: 106 Resp: 1305400
Ion Ratio Lower Upper
106 100
91 210.9 172.2 258.2





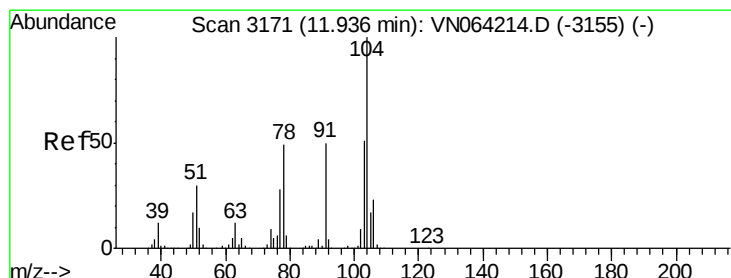
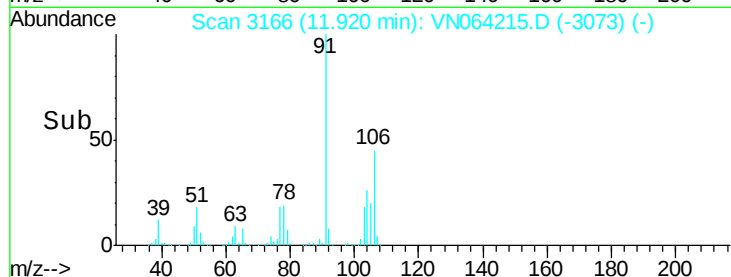
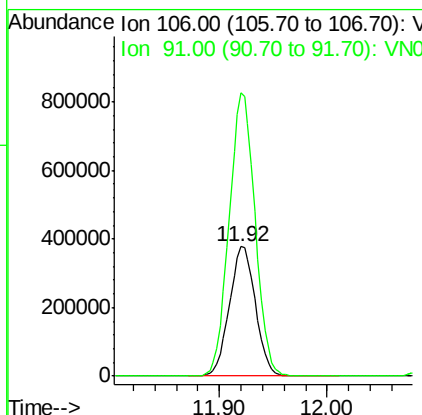
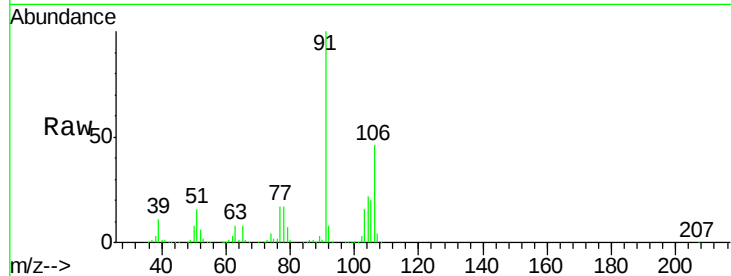
#69
o-Xylene
Concen: 117.662 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	218.1	109.9	329.6	

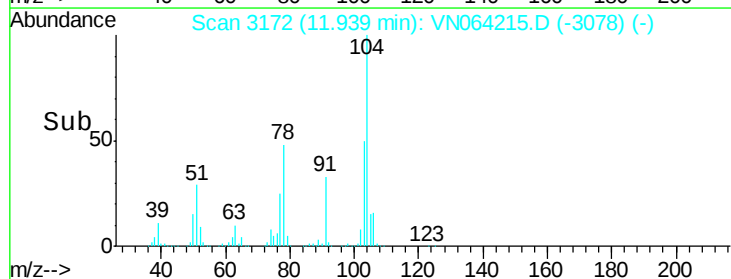
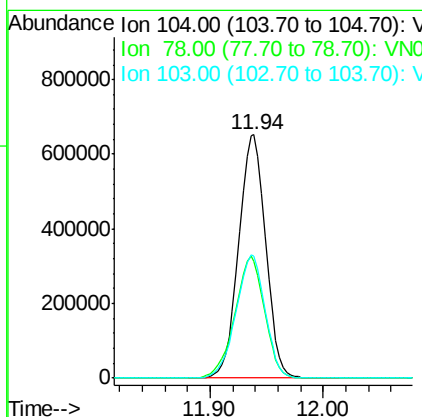
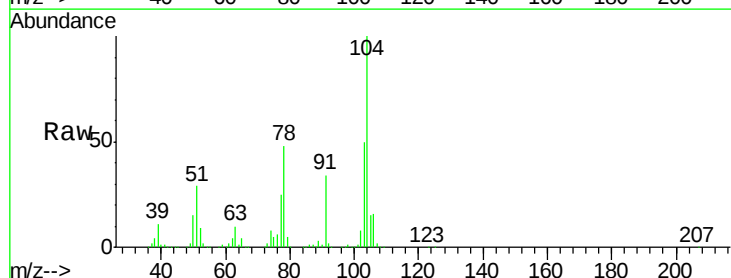
Manual Integrations
APPROVED

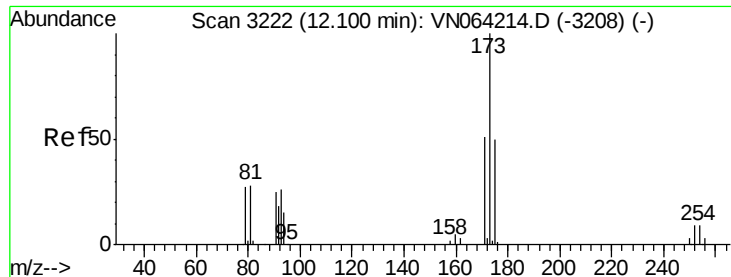
MMDadoda
10/22/2020 3:25:13 PM



#70
Styrene
Concen: 120.643 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	54.7	43.8	65.6	
103	54.5	43.4	65.2	





#71

Bromoform

Concen: 117.220 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064215.D

Acq: 21 Oct 2020 12:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 300519

Ion Ratio Lower Upper

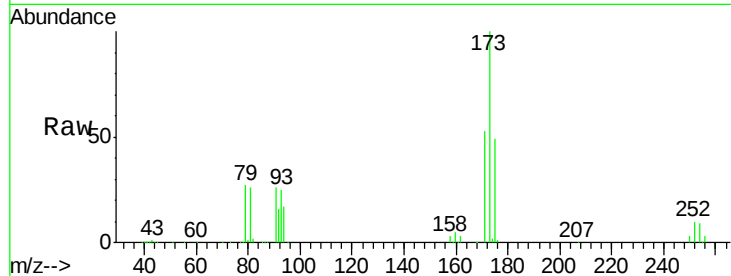
173 100

175 48.6 25.1 75.3

254 0.1 0.0 0.0#

Manual Integrations
APPROVED

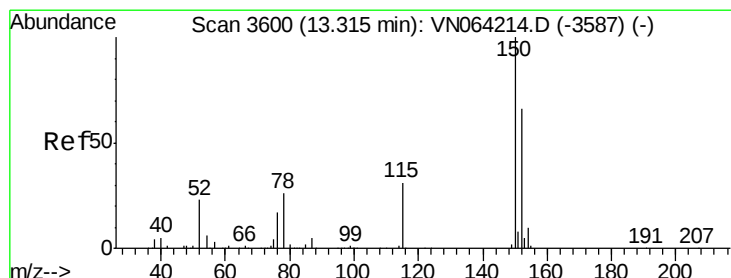
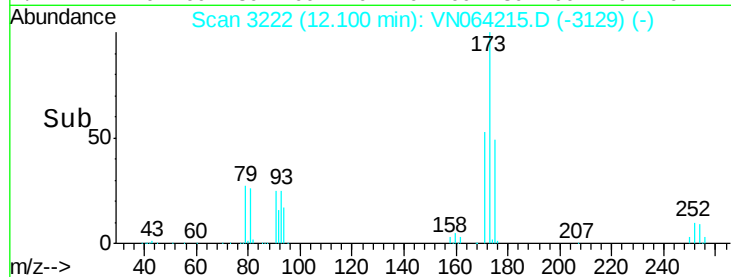
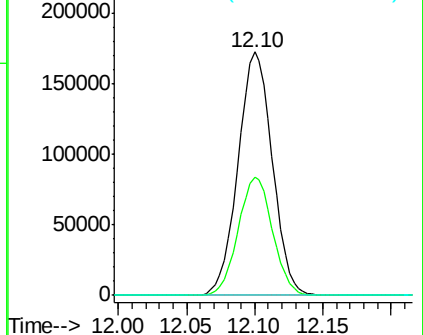
MMDadoda
10/22/2020 3:25:13 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064215.D

Acq: 21 Oct 2020 12:09

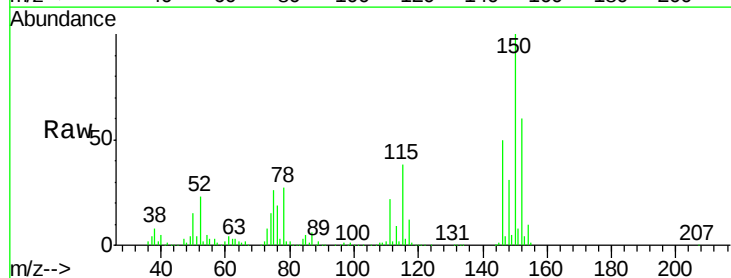
Tgt Ion:152 Resp: 215738

Ion Ratio Lower Upper

152 100

115 63.6 32.0 96.2

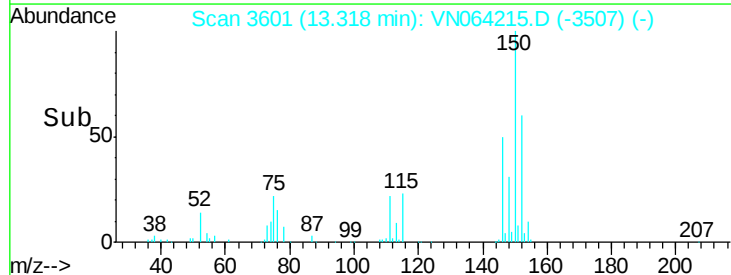
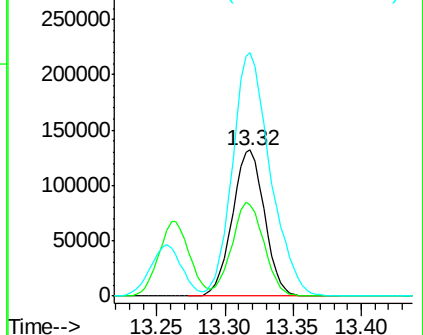
150 194.9 0.0 356.6

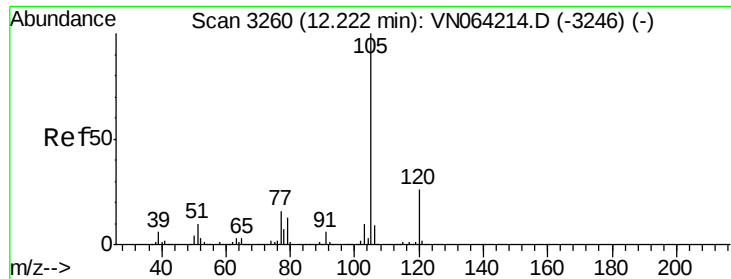


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 107.013 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064215.D

Acq: 21 Oct 2020 12:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1697214

Ion Ratio Lower Upper

105 100

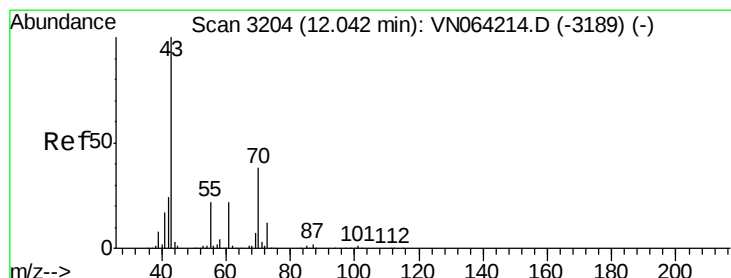
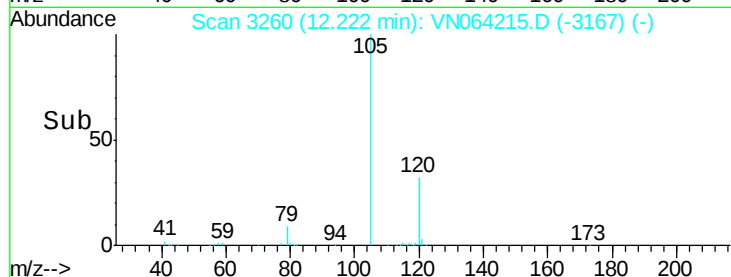
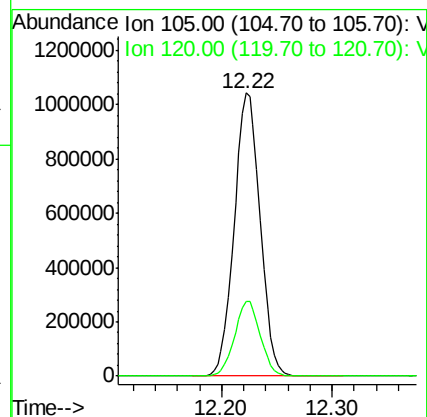
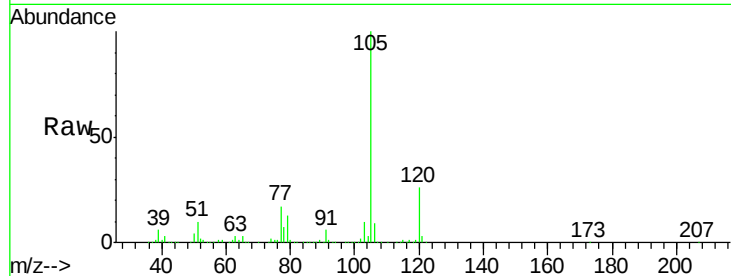
120 26.2 12.9 38.7

Manual Integrations

APPROVED

MMDadoda

10/22/2020 3:25:13 PM



#74

N-ethyl acetate

Concen: 124.095 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064215.D

Acq: 21 Oct 2020 12:09

Tgt Ion: 43 Resp: 760084

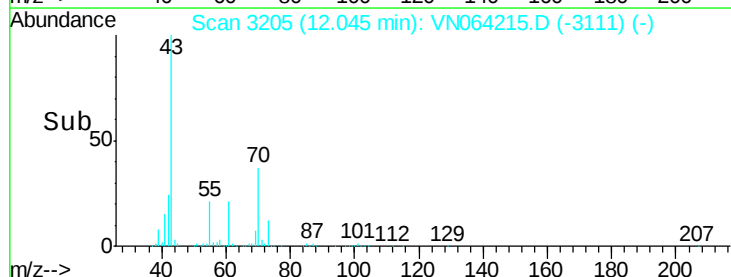
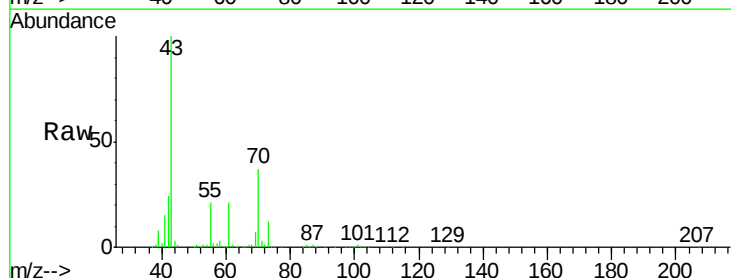
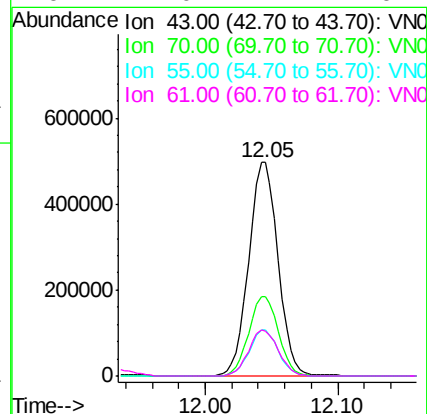
Ion Ratio Lower Upper

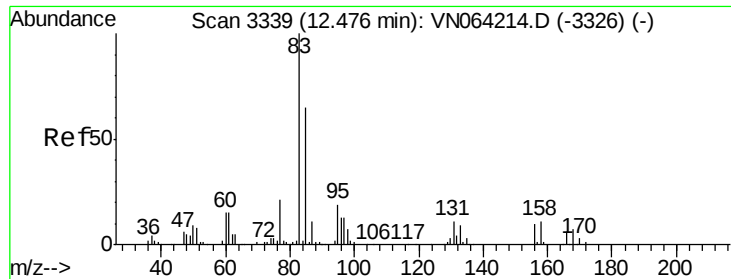
43 100

70 37.9 30.2 45.4

55 21.6 18.0 27.0

61 22.0 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 84.173 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064215.D

Acq: 21 Oct 2020 12:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 446508

Ion Ratio Lower Upper

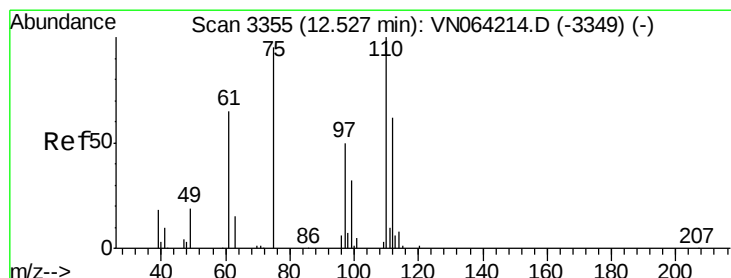
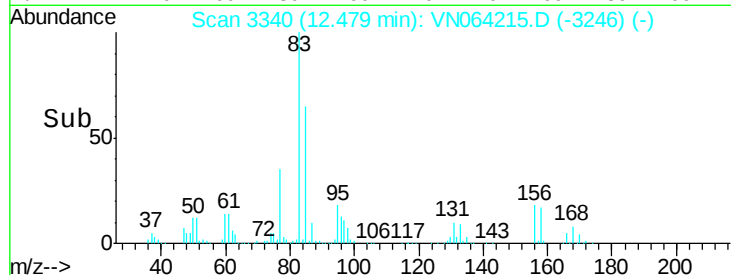
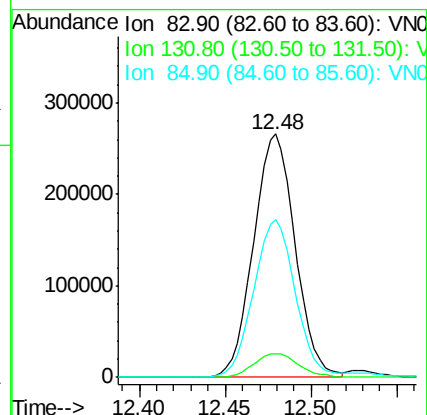
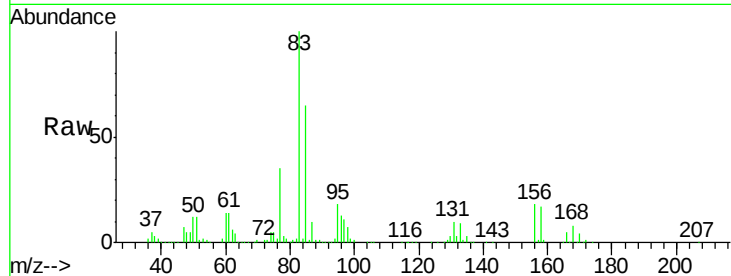
83 100

131 10.7 5.5 16.7

85 64.7 32.4 97.0

Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:13 PM



#76

1,2,3-Trichloropropane

Concen: 94.828 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064215.D

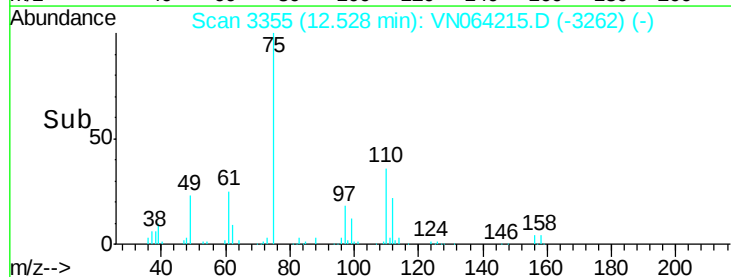
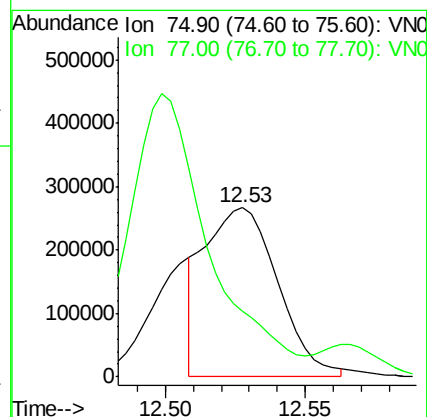
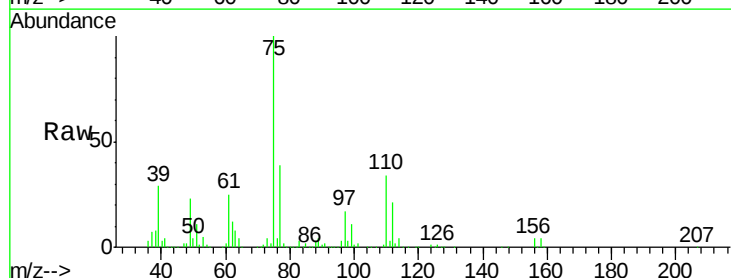
Acq: 21 Oct 2020 12:09

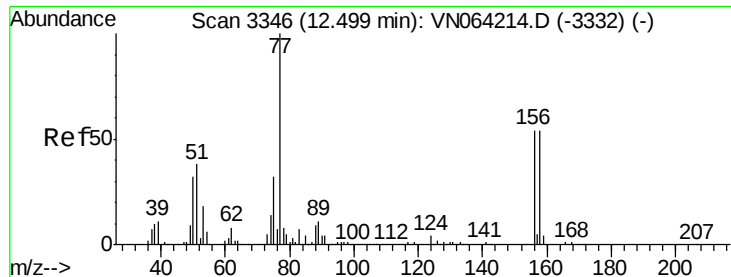
Tgt Ion: 75 Resp: 486428

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 96.285 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064215.D

Acq: 21 Oct 2020 12:09

Instrument :

MSVOA_N

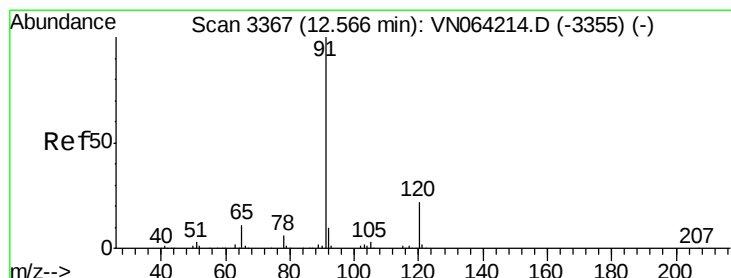
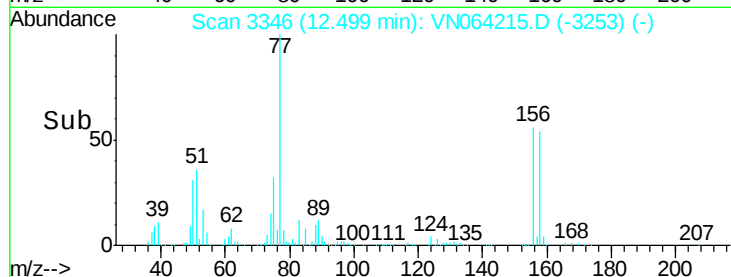
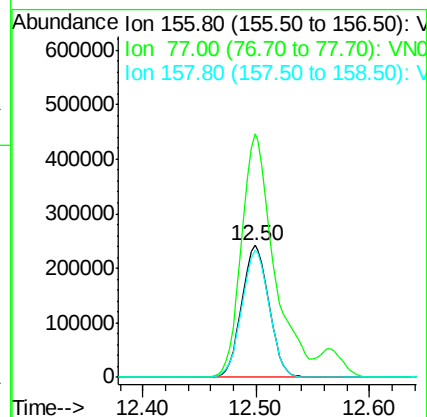
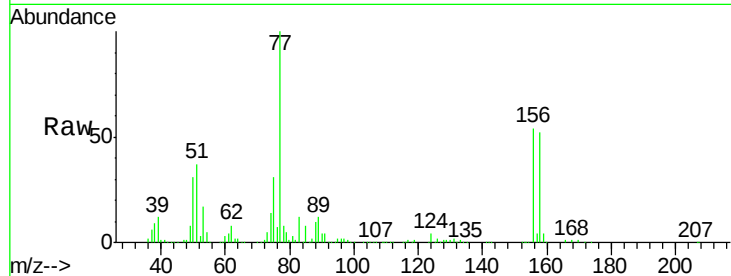
ClientSampleId :

VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		406496		
77	220.5	111.1	333.4		
158	96.8	50.0	150.1		

Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:13 PM



#78

n-propylbenzene

Concen: 110.074 ug/l

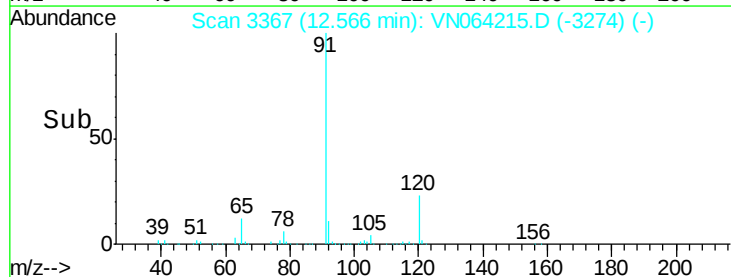
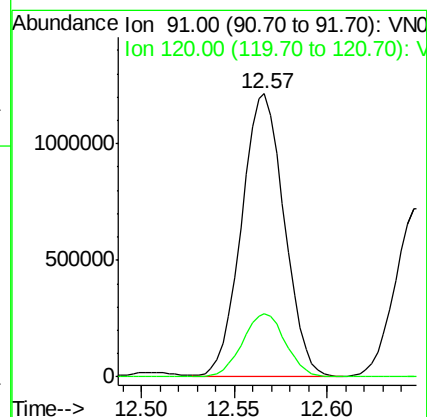
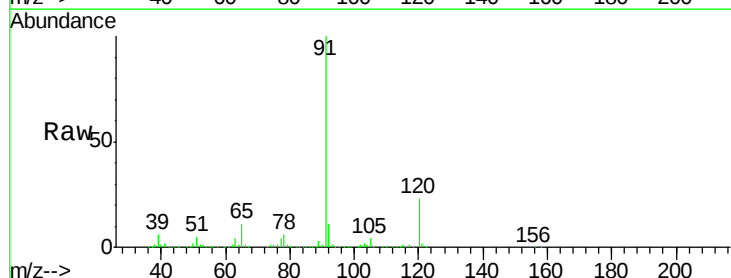
RT: 12.57 min Scan# 3367

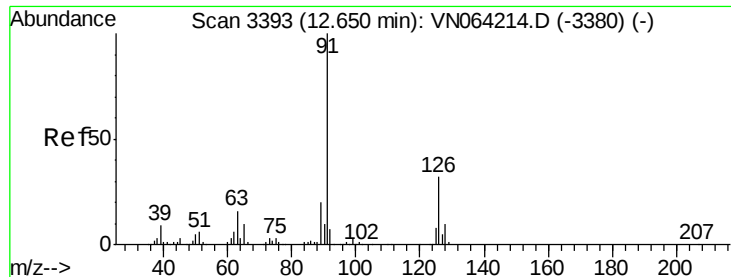
Delta R.T. 0.00 min

Lab File: VN064215.D

Acq: 21 Oct 2020 12:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1949113		
120	22.3	11.1	33.1		





#79

2-Chlorotoluene

Concen: 106.982 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064215.D

Acq: 21 Oct 2020 12:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1204834

Ion Ratio Lower Upper

91 100

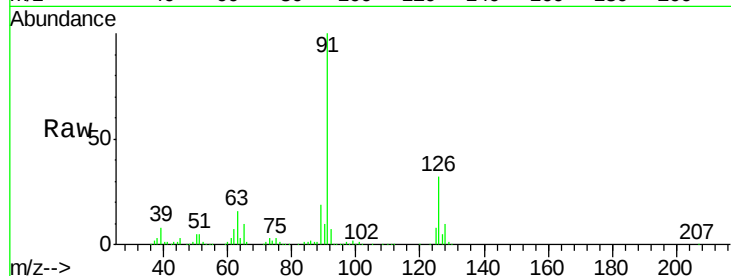
126 32.3 16.0 48.0

Manual Integrations

APPROVED

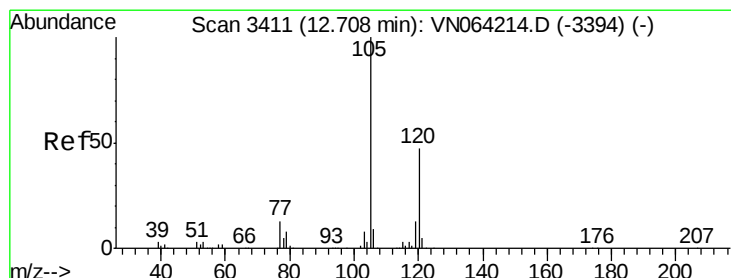
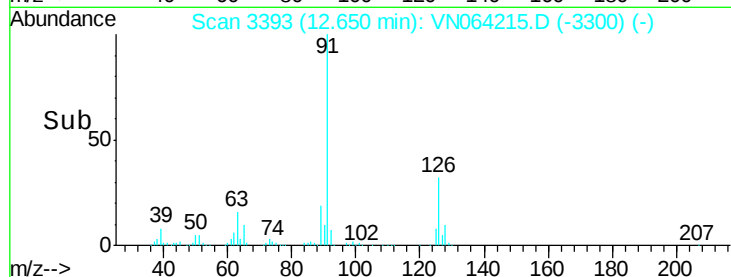
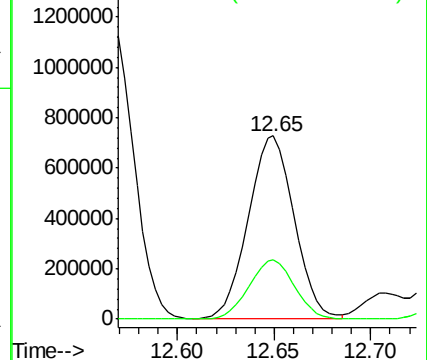
MMDadoda

10/22/2020 3:25:13 PM



Abundance Ion 91.00 (90.70 to 91.70): VN064215.D (-3393) (-)

Ion 125.90 (125.60 to 126.60): VN064215.D (-3393) (-)



#80

1,3,5-Trimethylbenzene

Concen: 114.476 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064215.D

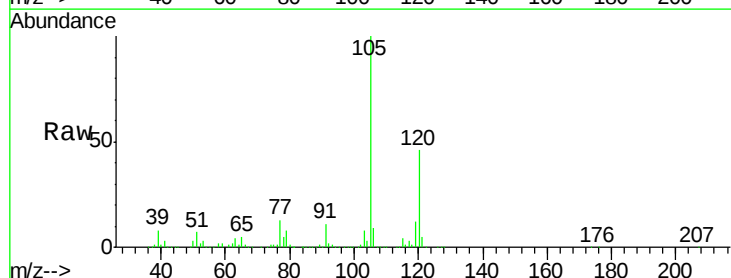
Acq: 21 Oct 2020 12:09

Tgt Ion:105 Resp: 1461969

Ion Ratio Lower Upper

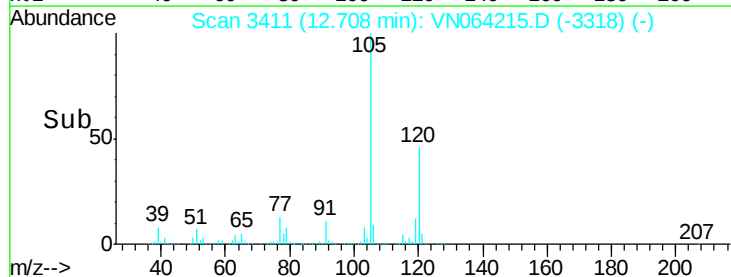
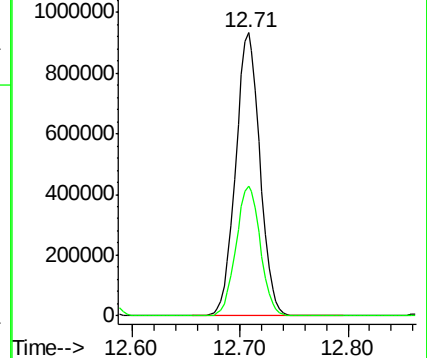
105 100

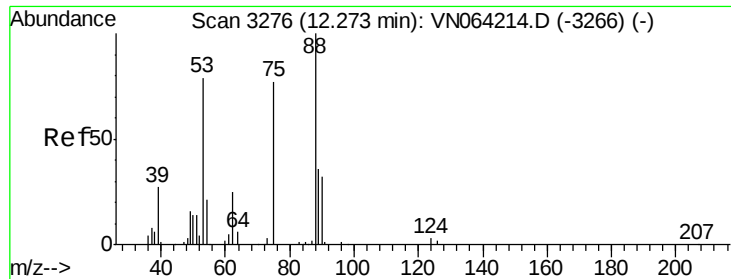
120 46.0 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN064215.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN064215.D (-3411) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 112.532 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064215.D

Acq: 21 Oct 2020 12:09

Instrument :

MSVOA_N

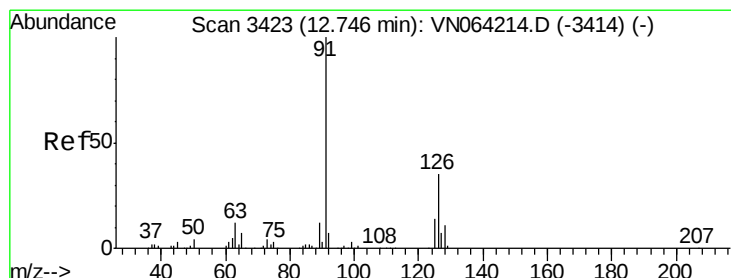
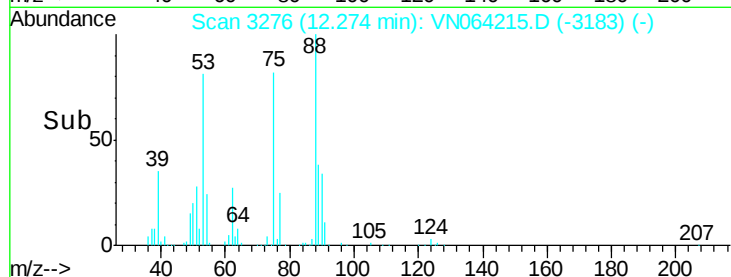
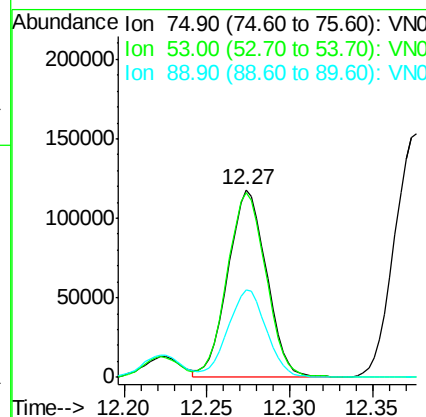
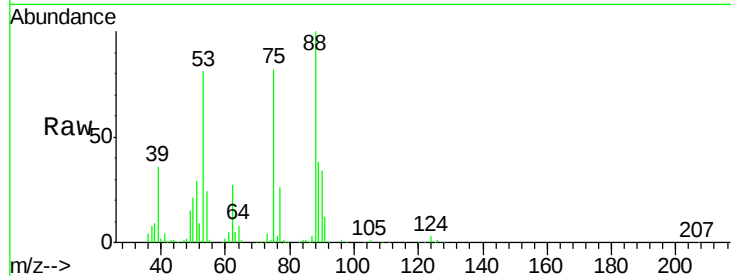
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	191366
Ion Ratio	Lower	Upper	
75	100		
53	98.2	81.0	121.4
89	46.5	38.7	58.1

Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:13 PM



#82

4-Chlorotoluene

Concen: 111.978 ug/l

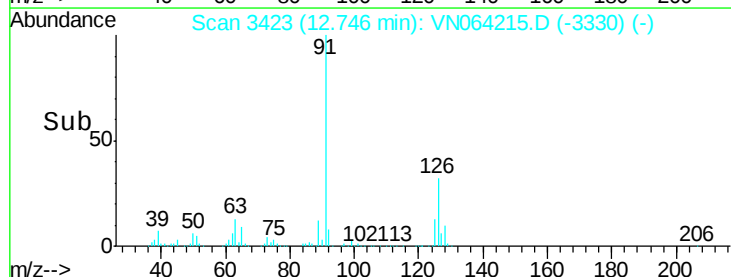
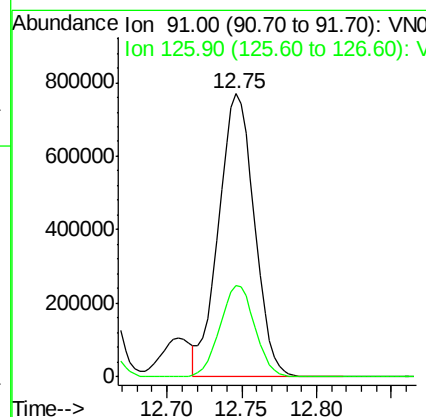
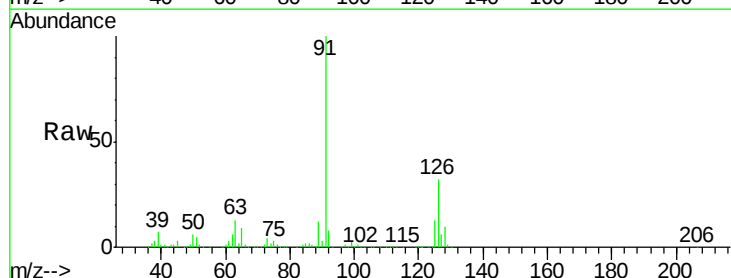
RT: 12.75 min Scan# 3423

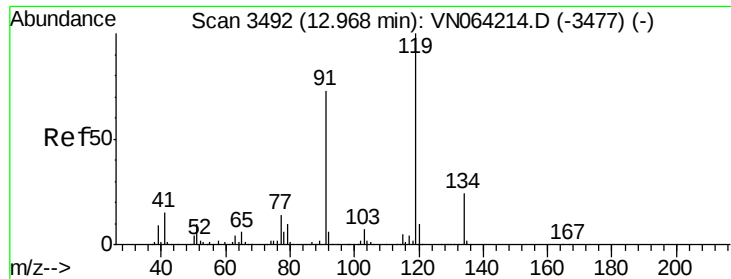
Delta R.T. 0.00 min

Lab File: VN064215.D

Acq: 21 Oct 2020 12:09

Tgt Ion:	91	Resp:	1274744
Ion Ratio	Lower	Upper	
91	100		
126	31.8	15.8	47.3





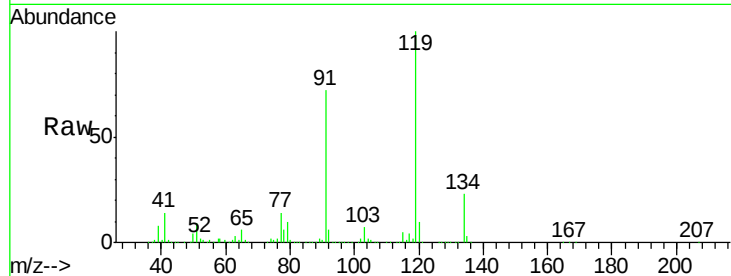
#83
 tert-Butylbenzene
 Concen: 111.178 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064215.D
 Acq: 21 Oct 2020 12:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

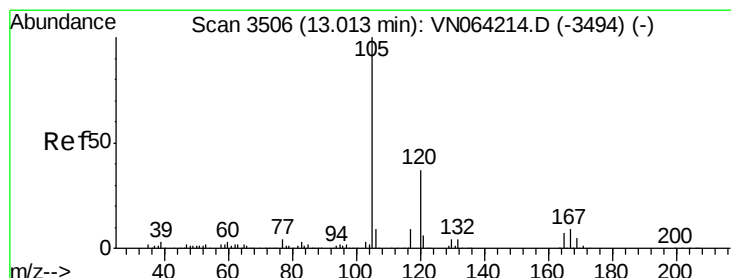
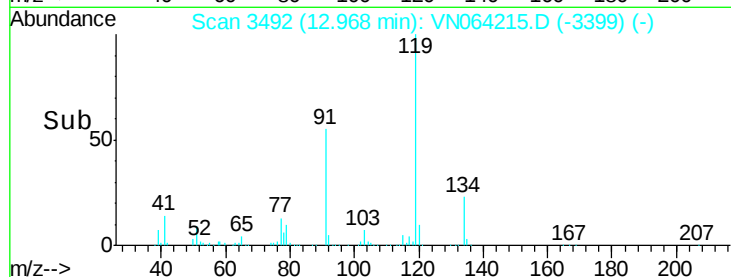
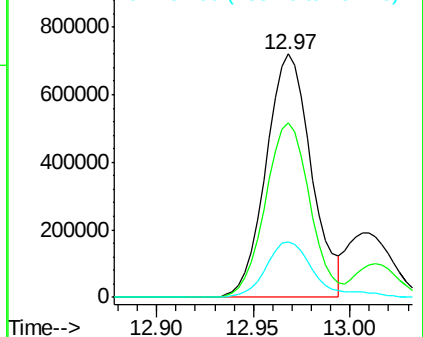
Tot Ion:119 Resp: 1174081
 Ion Ratio Lower Upper
 119 100
 91 70.8 35.1 105.3
 134 24.3 11.6 34.8

Manual Integrations
 APPROVED

MMDadoda
 10/22/2020 3:25:13 PM

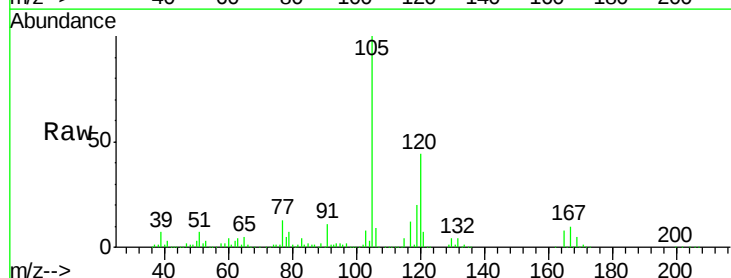


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

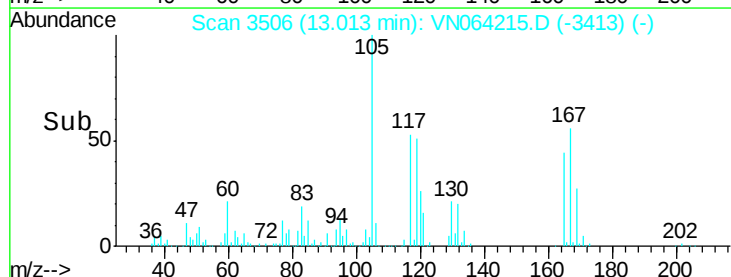
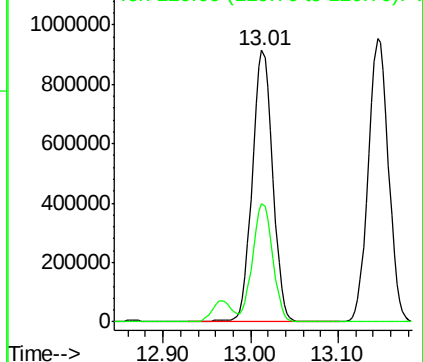


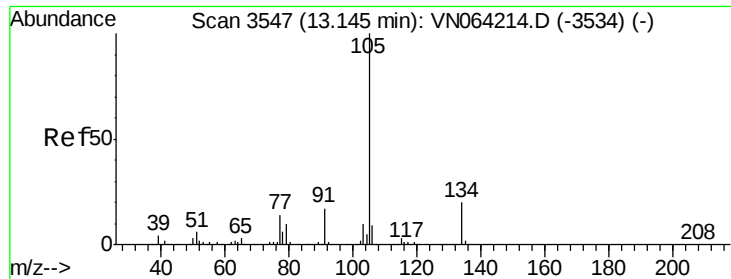
#84
 1,2,4-Trimethylbenzene
 Concen: 118.120 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064215.D
 Acq: 21 Oct 2020 12:09

Tgt Ion:105 Resp: 1480030
 Ion Ratio Lower Upper
 105 100
 120 43.0 21.5 64.5



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





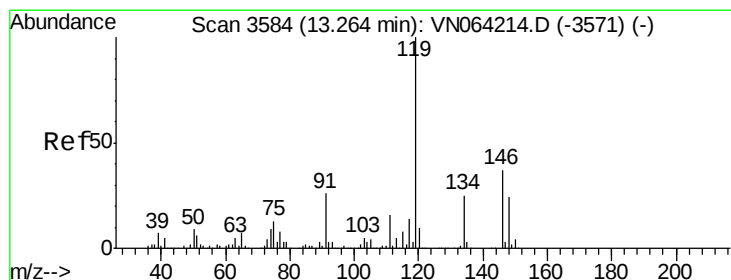
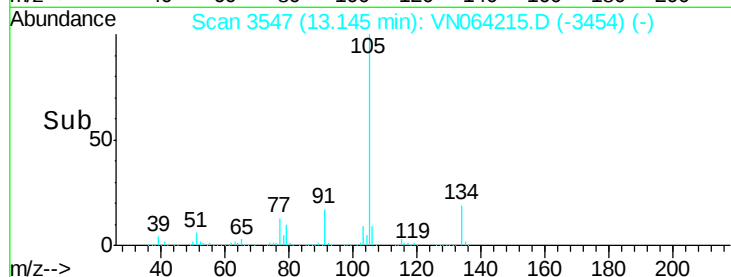
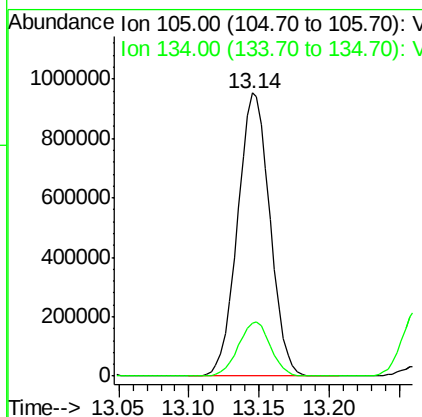
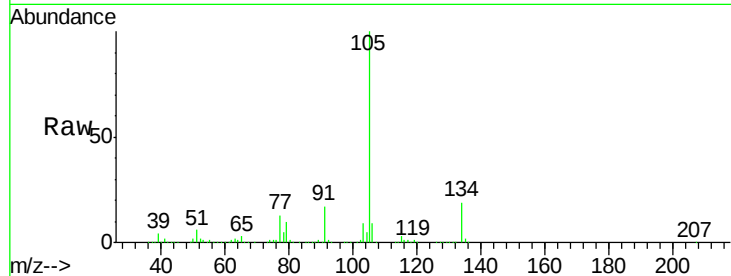
#85
 sec-Butylbenzene
 Concen: 112.721 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN064215.D
 Acq: 21 Oct 2020 12:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 1526893
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.7 29.1

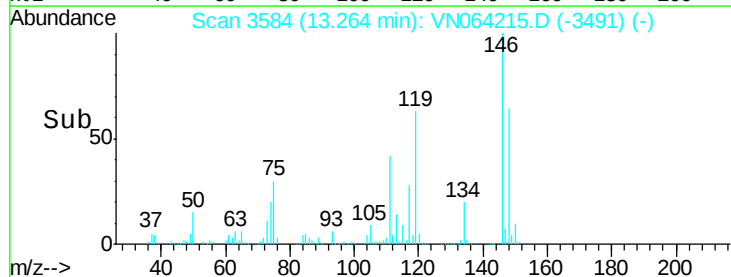
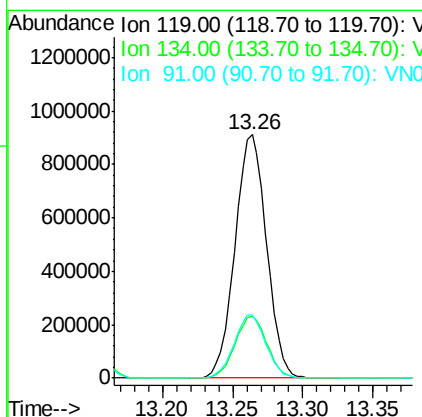
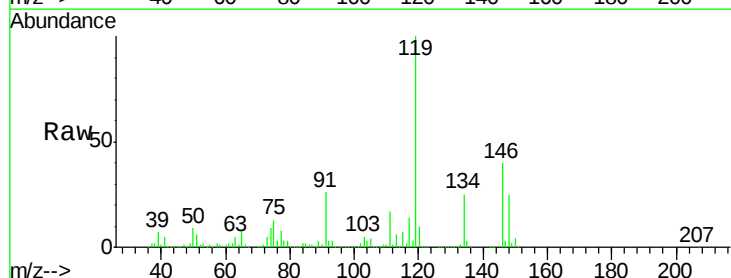
Manual Integrations
 APPROVED

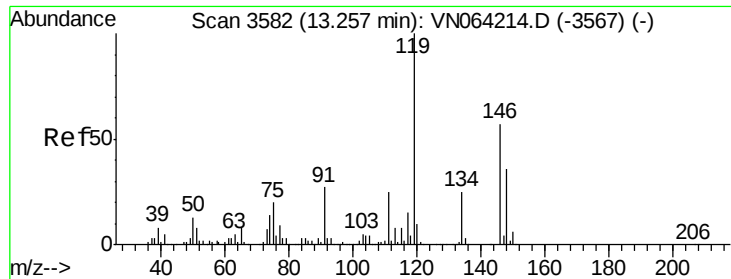
MMDadoda
 10/22/2020 3:25:13 PM



#86
 p-Isopropyltoluene
 Concen: 120.050 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064215.D
 Acq: 21 Oct 2020 12:09

Tgt Ion:119 Resp: 1424110
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.1 39.3
 91 25.8 13.4 40.2





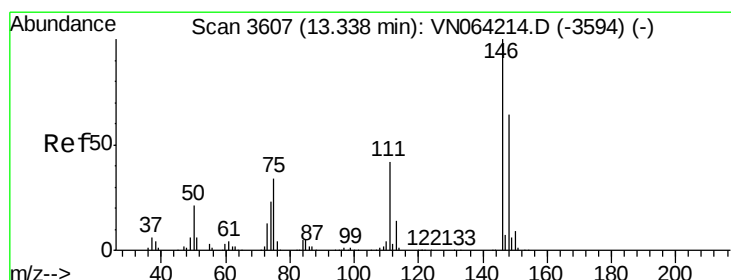
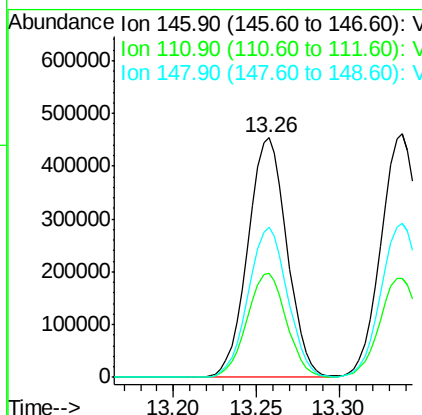
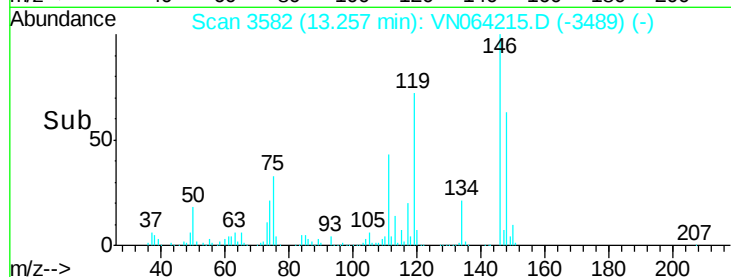
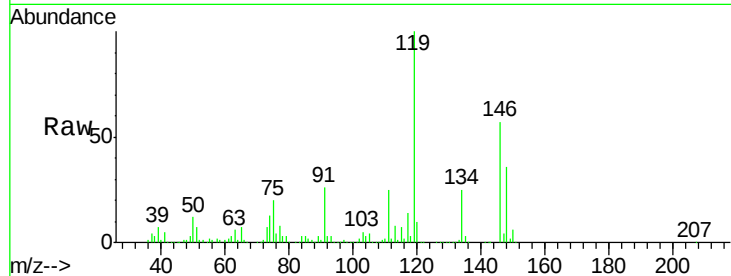
#87
 1,3-Dichlorobenzene
 Concen: 105.195 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064215.D
 Acq: 21 Oct 2020 12:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.6	65.0
148	62.9	31.7	95.1

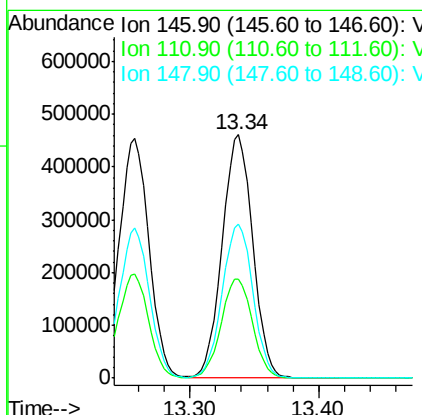
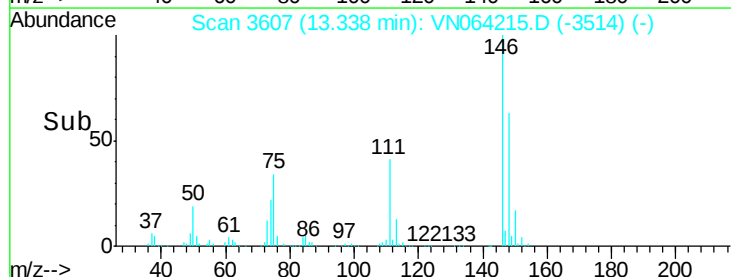
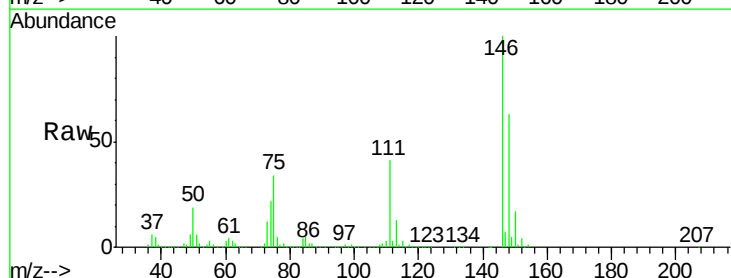
Manual Integrations
 APPROVED

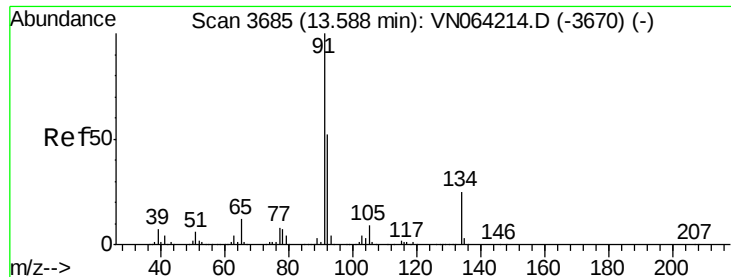
MMDadoda
 10/22/2020 3:25:13 PM



#88
 1,4-Dichlorobenzene
 Concen: 104.228 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064215.D
 Acq: 21 Oct 2020 12:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.5	64.5
148	63.6	32.0	96.0





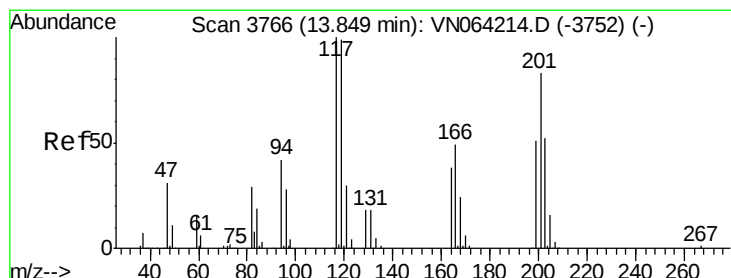
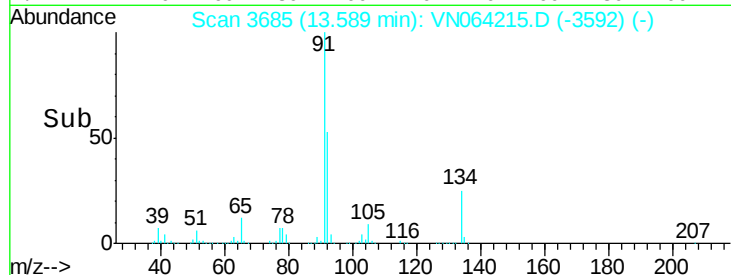
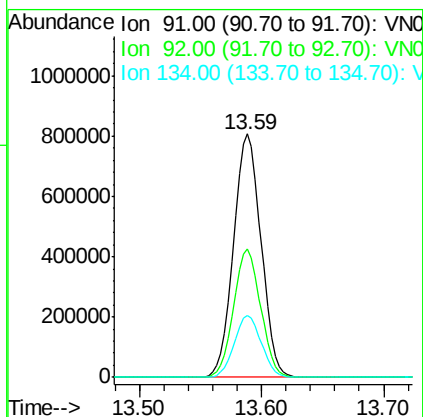
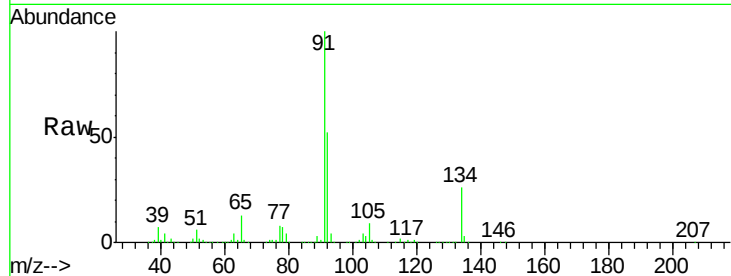
#89
n-Butylbenzene
Concen: 125.108 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion: 91 Resp: 1262664
Ion Ratio Lower Upper
91 100
92 51.8 25.7 77.0
134 25.1 12.3 36.8

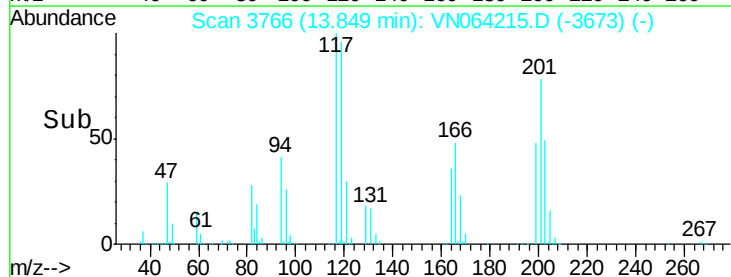
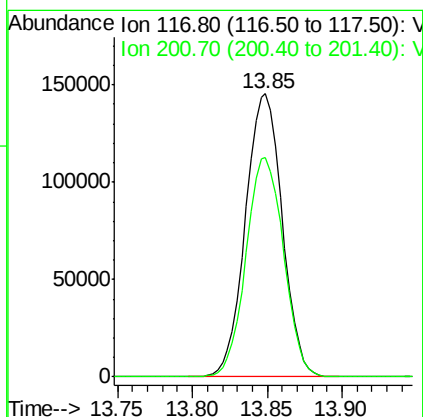
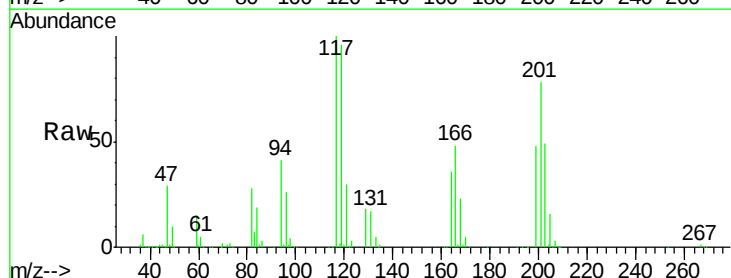
Manual Integrations
APPROVED

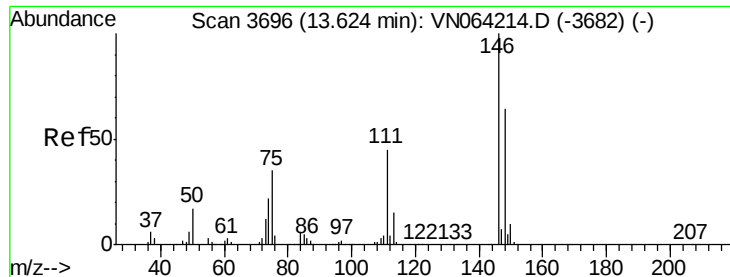
MMDadoda
10/22/2020 3:25:13 PM



#90
Hexachloroethane
Concen: 109.658 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Tgt Ion: 117 Resp: 248843
Ion Ratio Lower Upper
117 100
201 79.3 40.1 120.3





#91

1,2-Dichlorobenzene

Concen: 102.216 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064215.D

Acq: 21 Oct 2020 12:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 146 Resp: 717353

Ion Ratio Lower Upper

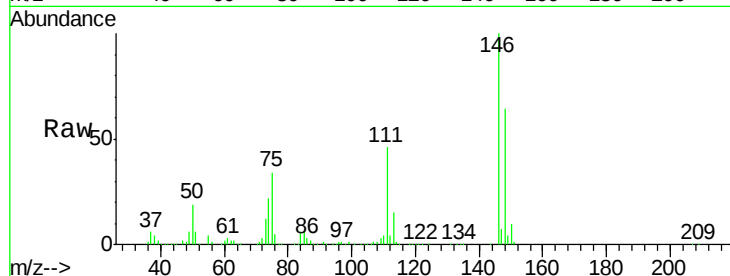
146 100

111 44.8 22.9 68.7

148 63.5 31.9 95.5

Manual Integrations
APPROVED

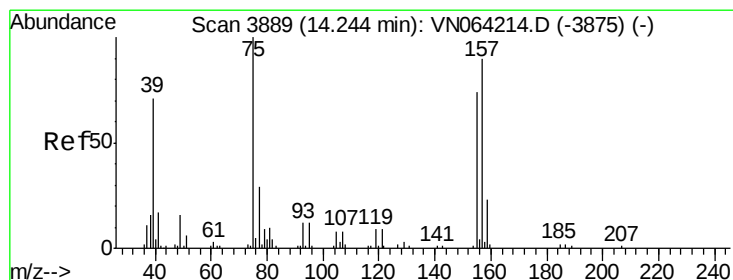
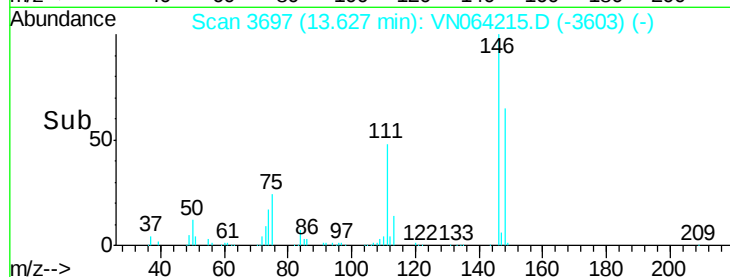
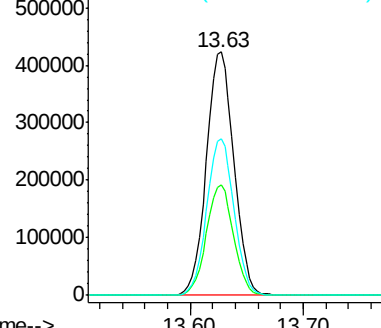
MMDadoda
10/22/2020 3:25:13 PM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 108.274 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN064215.D

Acq: 21 Oct 2020 12:09

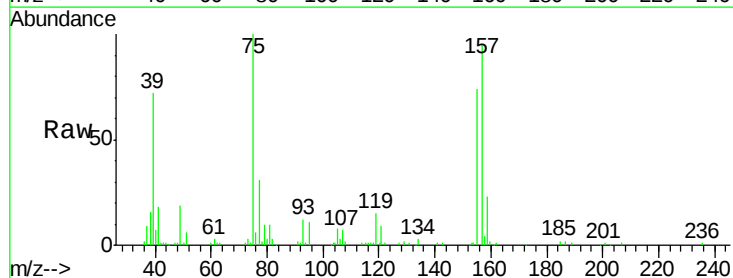
Tgt Ion: 75 Resp: 115270

Ion Ratio Lower Upper

75 100

155 73.6 36.9 110.7

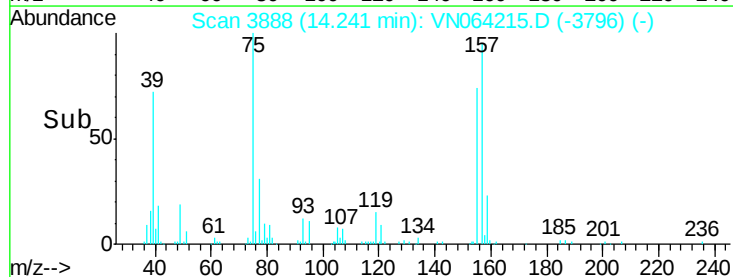
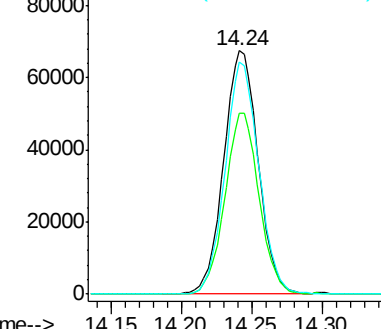
157 93.3 44.6 133.8

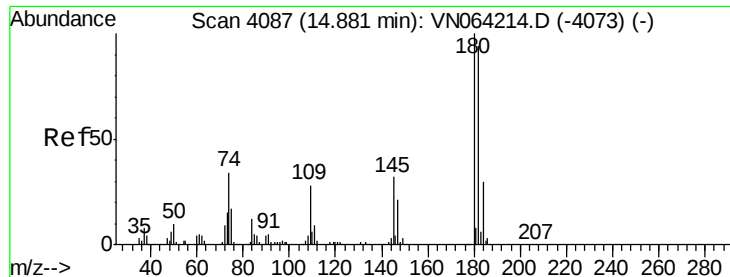


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





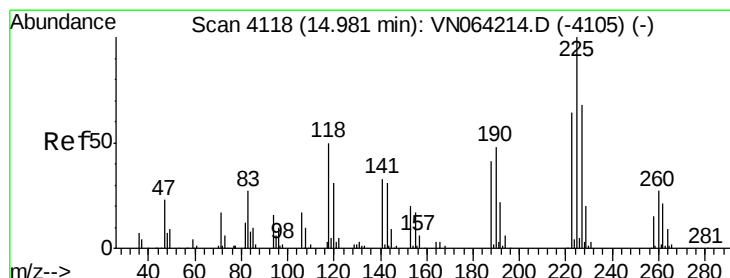
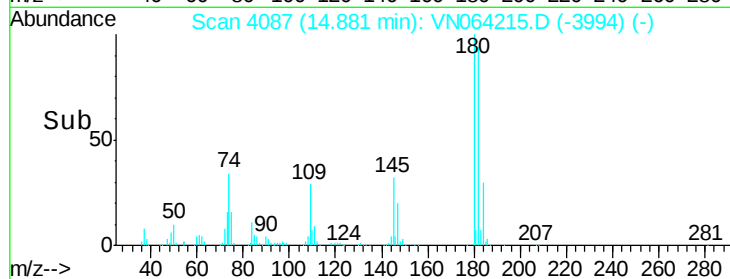
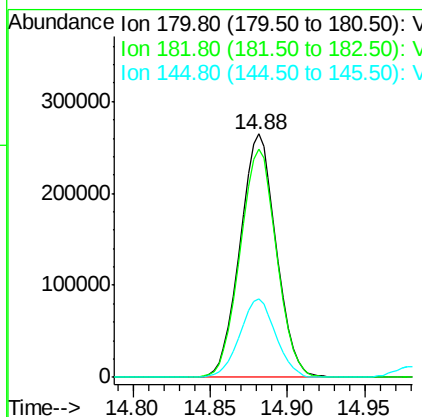
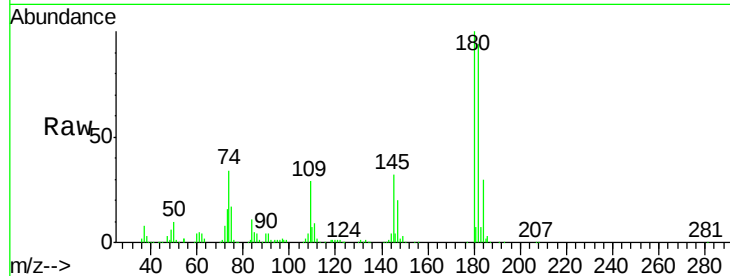
#93
 1,2,4-Trichlorobenzene
 Concen: 143.430 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064215.D
 Acq: 21 Oct 2020 12:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	429282		
182	95.1	46.9	140.7	
145	32.1	16.1	48.3	

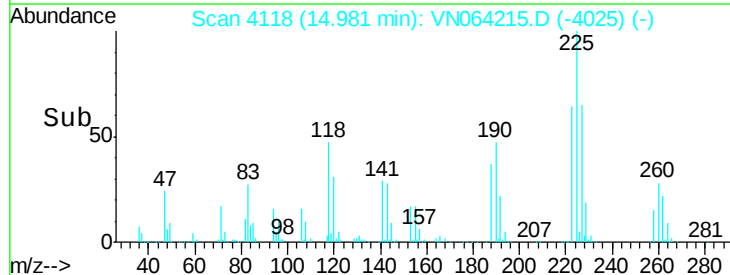
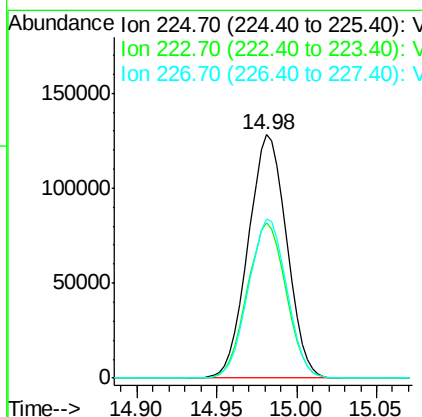
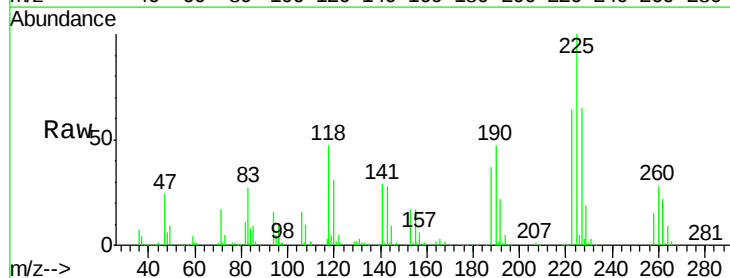
Manual Integrations
 APPROVED

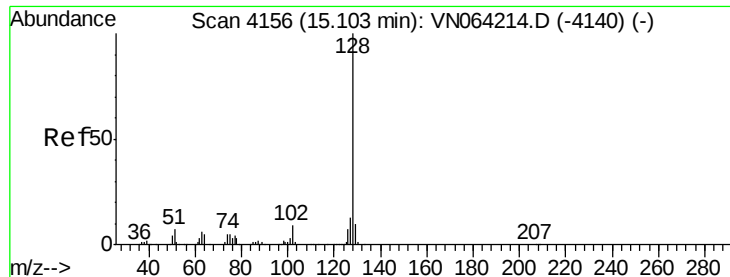
MMDadoda
 10/22/2020 3:25:13 PM



#94
 Hexachlorobutadiene
 Concen: 120.607 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064215.D
 Acq: 21 Oct 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	211438		
223	64.2	31.5	94.5	
227	65.1	32.1	96.5	





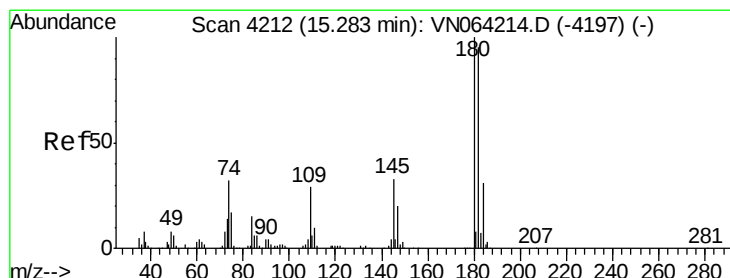
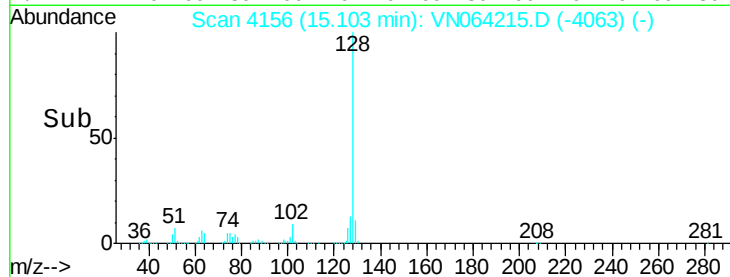
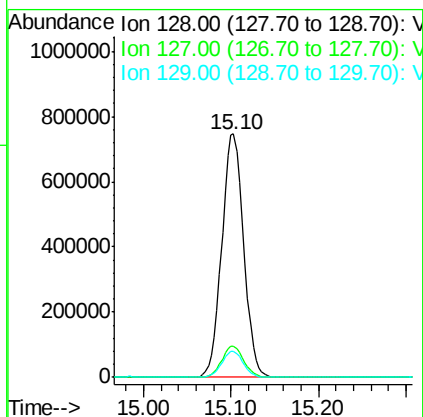
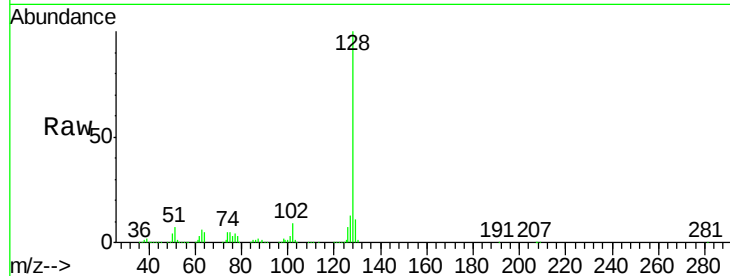
#95
Naphthalene
Concen: 144.804 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:13 PM



#96
1,2,3-Trichlorobenzene
Concen: 138.359 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064215.D
Acq: 21 Oct 2020 12:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.0	144.2
145	33.2	17.1	51.3

