

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
 Data File : VN064264.D
 Acq On : 22 Oct 2020 20:51
 Operator : JC/MD
 Sample : L4214-07 .75PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 3:37:41 PM

Quant Time: Oct 23 02:54:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 23 02:22:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	259901	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	425620	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	382820	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	162290	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	211343	54.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.52%	
35) Dibromofluoromethane	7.55	113	143992	50.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.78%	
50) Toluene-d8	10.06	98	517690	50.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.38	95	197329	47.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.84%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	1742	0.613	ug/l	92
3) Chloromethane	2.04	50	1954	0.650	ug/l #	85
4) Vinyl Chloride	2.17	62	1796	0.603	ug/l #	81
5) Bromomethane	2.54	94	1643	0.846	ug/l	86
6) Chloroethane	2.68	64	1074	0.592	ug/l	91
7) Trichlorofluoromethane	3.00	101	3033m	0.619	ug/l	
8) Diethyl Ether	3.37	74	1195m	0.738	ug/l	
9) 1,1,2-Trichlorotrifluoroet	3.73	101	1638m	0.647	ug/l	
10) Methyl Iodide	3.92	142	1908m	0.530	ug/l	
11) Tert butyl alcohol	4.74	59	1387m	2.685	ug/l	
12) 1,1-Dichloroethene	3.70	96	1812	0.744	ug/l #	60
13) Acrolein	3.58	56	605	1.865	ug/l	100
14) Allyl chloride	4.27	41	3341	0.685	ug/l #	84
15) Acrylonitrile	4.95	53	3462m	3.240	ug/l	
16) Acetone	3.78	43	4635	4.197	ug/l #	89
17) Carbon Disulfide	4.01	76	4698	0.676	ug/l	100
18) Methyl Acetate	4.29	43	2773m	0.985	ug/l	
19) Methyl tert-butyl Ether	5.00	73	5952m	0.711	ug/l	
20) Methylene Chloride	4.52	84	2519m	0.855	ug/l	
21) trans-1,2-Dichloroethene	5.00	96	1561	0.581	ug/l #	74
22) Diisopropyl ether	5.91	45	5471m	0.604	ug/l	
23) Vinyl Acetate	5.85	43	22497	2.783	ug/l #	90
24) 1,1-Dichloroethane	5.80	63	3453m	0.658	ug/l	
25) 2-Butanone	6.79	43	5706	3.252	ug/l	91
26) 2,2-Dichloropropane	6.78	77	3486m	0.667	ug/l	
27) cis-1,2-Dichloroethene	6.78	96	2257	0.722	ug/l	78
28) Bromochloromethane	7.15	49	1255	0.503	ug/l #	66
29) Tetrahydrofuran	7.17	42	3864	3.682	ug/l #	62
30) Chloroform	7.33	83	3274	0.585	ug/l	94
31) Cyclohexane	7.63	56	9195	2.010	ug/l #	48
32) 1,1,1-Trichloroethane	7.52	97	3160m	0.602	ug/l	
36) 1,1-Dichloropropene	7.75	75	2883	0.679	ug/l	81
37) Ethyl Acetate	6.89	43	2146	0.557	ug/l #	78
38) Carbon Tetrachloride	7.73	117	3060	0.634	ug/l #	87

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
 Data File : VN064264.D
 Acq On : 22 Oct 2020 20:51
 Operator : JC/MD
 Sample : L4214-07 .75PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 3:37:41 PM

Quant Time: Oct 23 02:54:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 23 02:22:49 2020
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.04	83	2420m	0.627	ug/l	
40) Benzene	8.00	78	7606	0.649	ug/l	96
41) Methacrylonitrile	7.13	41	1084m	0.536	ug/l	
42) 1,2-Dichloroethane	8.09	62	3512m	0.700	ug/l	
43) Isopropyl Acetate	8.14	43	5007	0.697	ug/l #	73
44) Trichloroethene	8.81	130	1720	0.539	ug/l	75
45) 1,2-Dichloropropane	9.09	63	1992m	0.637	ug/l	
46) Dibromomethane	9.18	93	1343	0.640	ug/l #	27
47) Bromodichloromethane	9.37	83	3251	0.701	ug/l #	76
48) Methyl methacrylate	9.16	41	2554	0.681	ug/l #	87
49) 1,4-Dioxane	9.18	88	277	6.312	ug/l #	73
51) 4-Methyl-2-Pentanone	9.96	43	11874	3.094	ug/l	99
52) Toluene	10.12	92	4515	0.602	ug/l	94
53) t-1,3-Dichloropropene	10.35	75	3665	0.711	ug/l #	84
54) cis-1,3-Dichloropropene	9.81	75	3526	0.650	ug/l	94
55) 1,1,2-Trichloroethane	10.53	97	1609	0.568	ug/l #	82
56) Ethyl methacrylate	10.40	69	2571	0.587	ug/l #	79
57) 1,3-Dichloropropane	10.68	76	2723	0.554	ug/l #	77
58) 2-Chloroethyl Vinyl ether	9.66	63	6564	2.912	ug/l	99
59) 2-Hexanone	10.72	43	8038	2.868	ug/l	99
60) Dibromochloromethane	10.87	129	1689	0.461	ug/l	100
61) 1,2-Dibromoethane	10.98	107	1664	0.557	ug/l	89
64) Tetrachloroethene	10.61	164	1830	0.594	ug/l	93
65) Chlorobenzene	11.40	112	4255	0.537	ug/l #	84
66) 1,1,1,2-Tetrachloroethane	11.48	131	1958	0.622	ug/l #	66
67) Ethyl Benzene	11.48	91	8360	0.574	ug/l	94
68) m/p-Xylenes	11.59	106	5962	1.105	ug/l	80
69) o-Xylene	11.92	106	3003	0.575	ug/l	93
70) Styrene	11.94	104	4693	0.537	ug/l	92
71) Bromoform	12.10	173	1454	0.598	ug/l #	83
73) Isopropylbenzene	12.23	105	7240	0.585	ug/l	95
74) N-amyl acetate	12.05	43	3571	0.668	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.48	83	2347	0.715	ug/l #	90
76) 1,2,3-Trichloropropane	12.53	75	2708m	0.792	ug/l	
77) Bromobenzene	12.50	156	1949	0.667	ug/l	86
78) n-propylbenzene	12.57	91	8910	0.638	ug/l	97
79) 2-Chlorotoluene	12.65	91	6337	0.739	ug/l	90
80) 1,3,5-Trimethylbenzene	12.71	105	6766	0.647	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.28	75	625m	0.461	ug/l	
82) 4-Chlorotoluene	12.75	91	5567	0.623	ug/l	98
83) tert-Butylbenzene	12.97	119	5638	0.657	ug/l	88
84) 1,2,4-Trimethylbenzene	13.02	105	6901	0.663	ug/l	97
85) sec-Butylbenzene	13.15	105	6491	0.600	ug/l	98
86) p-Isopropyltoluene	13.26	119	6054	0.615	ug/l	86
87) 1,3-Dichlorobenzene	13.26	146	3333	0.641	ug/l	92
88) 1,4-Dichlorobenzene	13.33	146	3425m	0.644	ug/l	
89) n-Butylbenzene	13.59	91	5021	0.569	ug/l	99
90) Hexachloroethane	13.85	117	1070	0.600	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	3300	0.647	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	467	0.570	ug/l #	50

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
Data File : VN064264.D
Acq On : 22 Oct 2020 20:51
Operator : JC/MD
Sample : L4214-07 .75PPB LOD
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

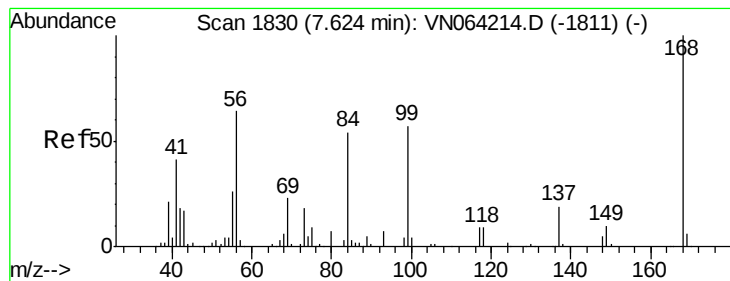
Manual Integrations
APPROVED

MMDadoda
10/23/2020 3:37:41 PM

Quant Time: Oct 23 02:54:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 23 02:22:49 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	1639	0.573	ug/l	91
94) Hexachlorobutadiene	14.98	225	1104	0.715	ug/l	89
95) Naphthalene	15.10	128	4076	0.476	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.29	180	1727	0.609	ug/l #	83

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:168 Resp: 259901

Ion Ratio Lower Upper

168 100

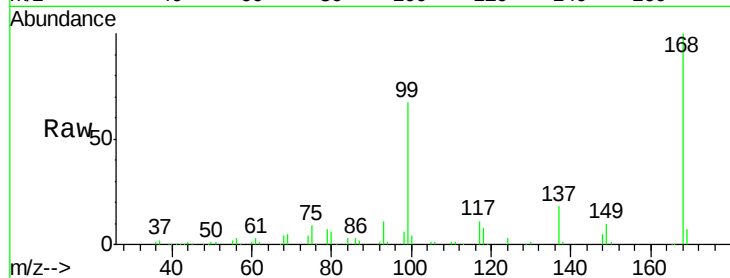
99 66.7 54.0 81.0

Manual Integrations

APPROVED

MMDadoda

10/23/2020 3:37:41 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

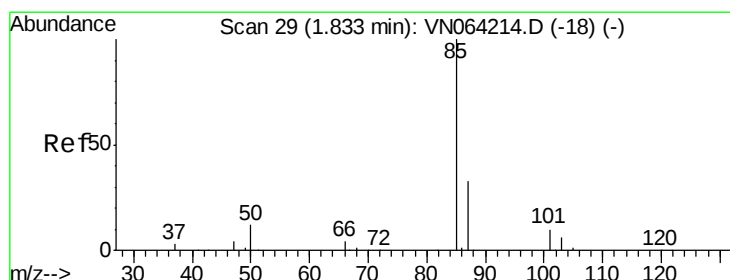
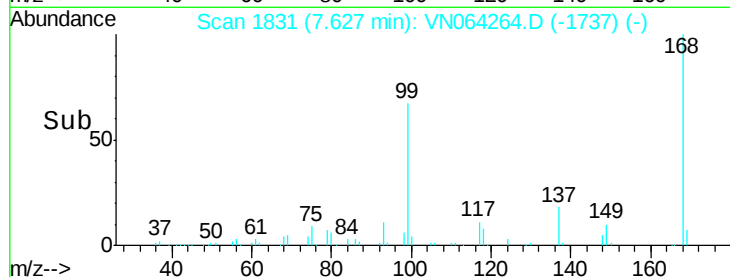
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 0.613 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064264.D

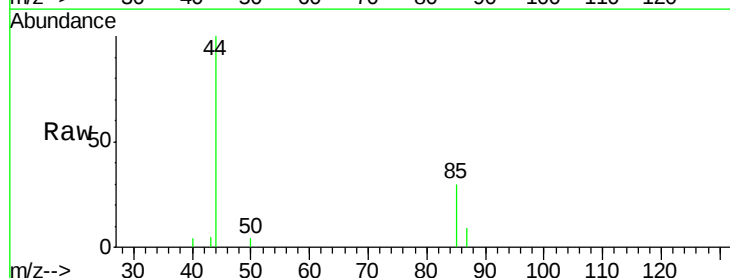
Acq: 22 Oct 2020 20:51

Tgt Ion: 85 Resp: 1742

Ion Ratio Lower Upper

85 100

87 28.7 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

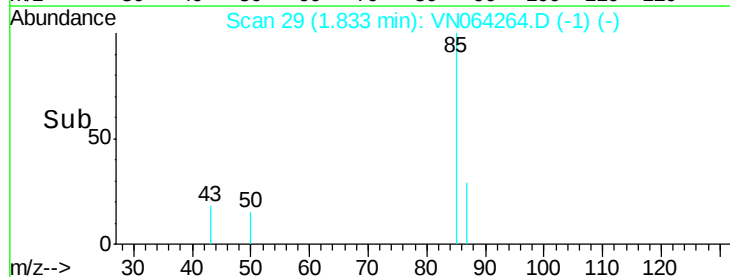
1500

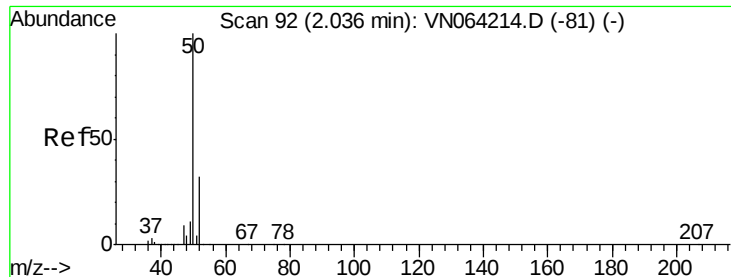
1000

500

0

Time--> 1.80 1.82 1.84 1.86





#3

Chloromethane

Concen: 0.650 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 50 Resp: 1954

Ion Ratio Lower Upper

50 100

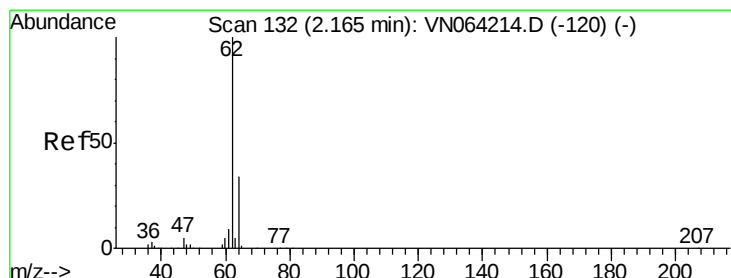
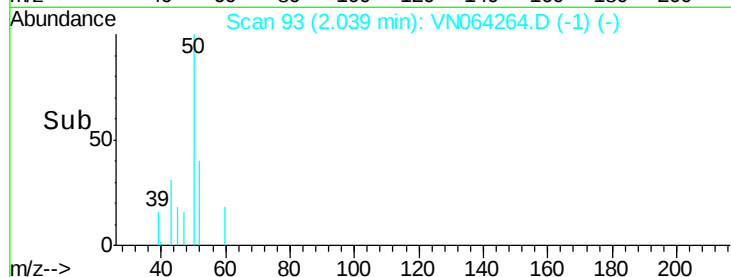
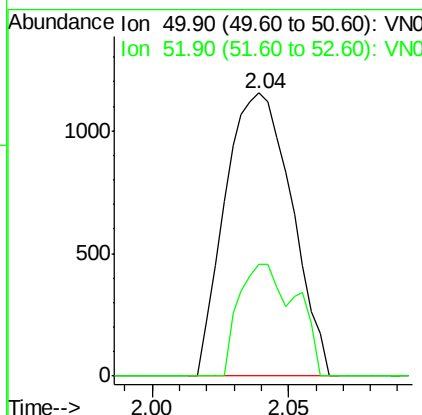
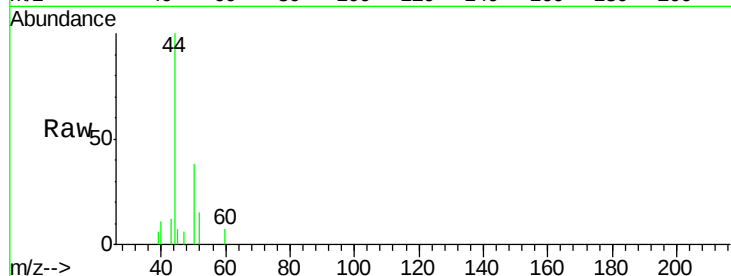
52 39.7 25.3 37.9#

Manual Integrations

APPROVED

MMDadoda

10/23/2020 3:37:41 PM



#4

Vinyl Chloride

Concen: 0.603 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064264.D

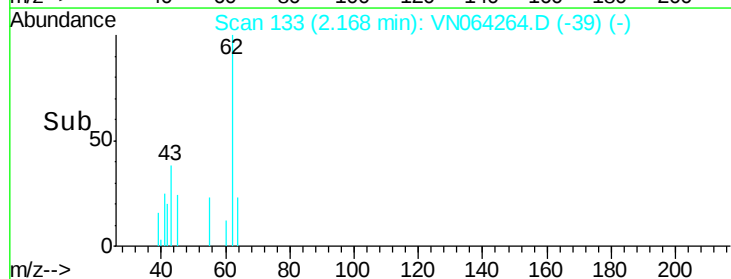
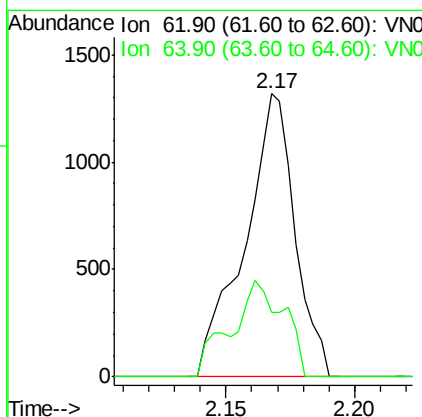
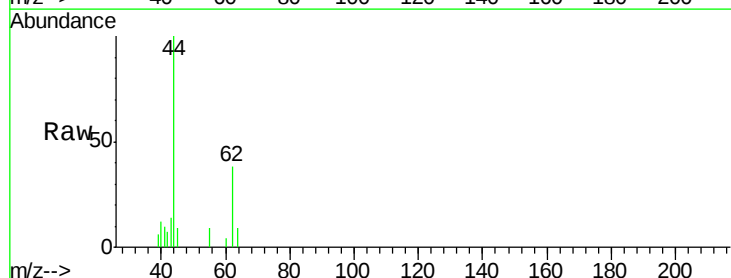
Acq: 22 Oct 2020 20:51

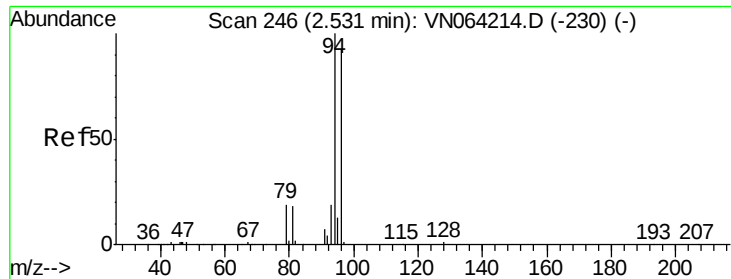
Tgt Ion: 62 Resp: 1796

Ion Ratio Lower Upper

62 100

64 22.7 26.8 40.2#





#5

Bromomethane

Concen: 0.846 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 94 Resp: 1643

Ion Ratio Lower Upper

94 100

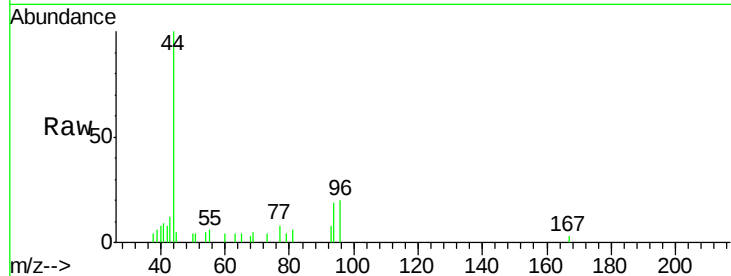
96 105.9 74.2 111.4

Manual Integrations

APPROVED

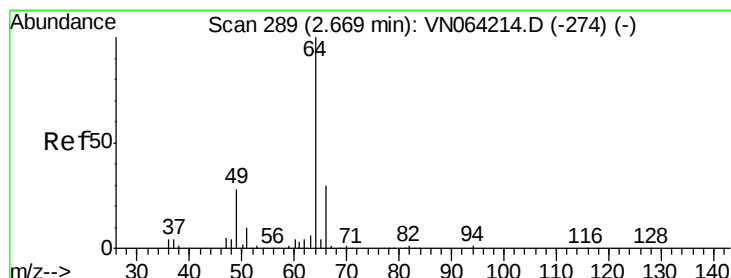
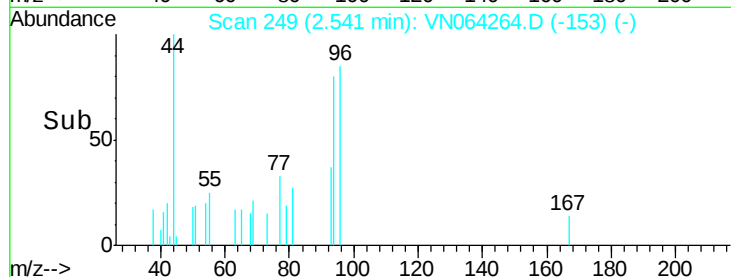
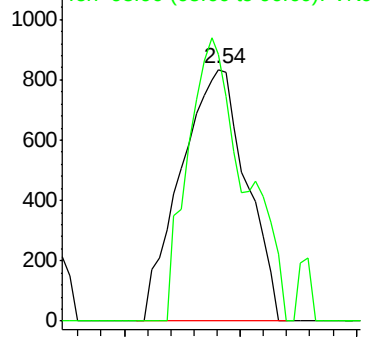
MMDadoda

10/23/2020 3:37:41 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 0.592 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN064264.D

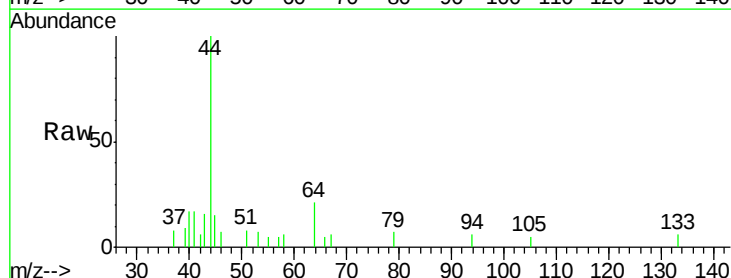
Acq: 22 Oct 2020 20:51

Tgt Ion: 64 Resp: 1074

Ion Ratio Lower Upper

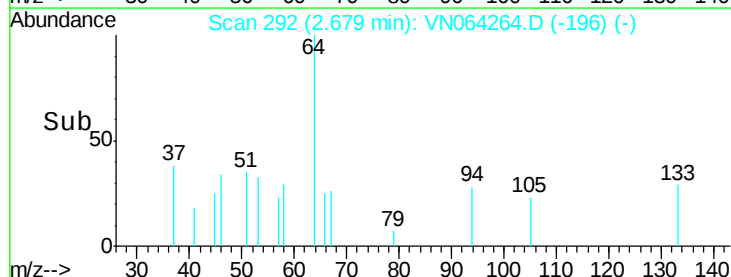
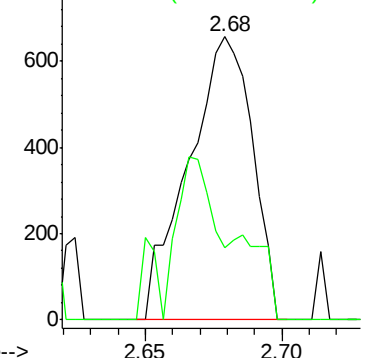
64 100

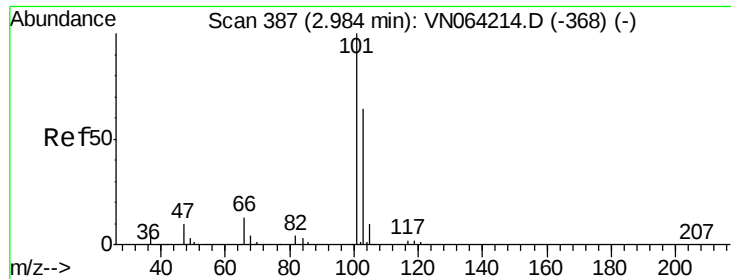
66 25.4 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

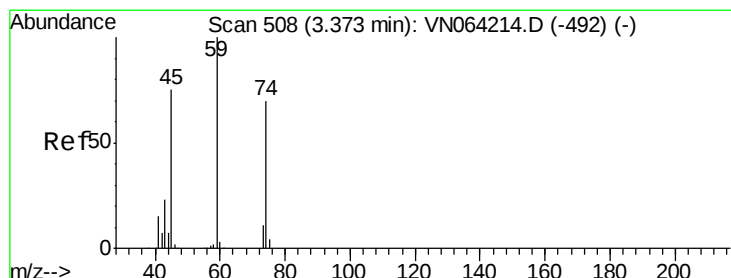
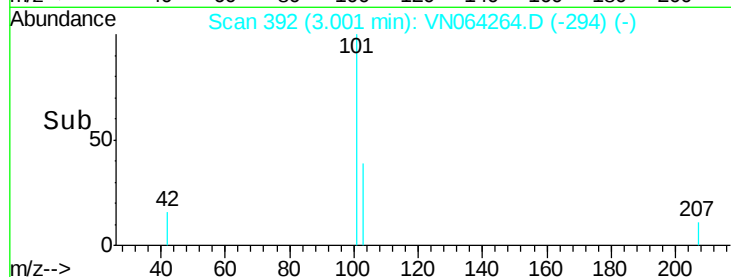
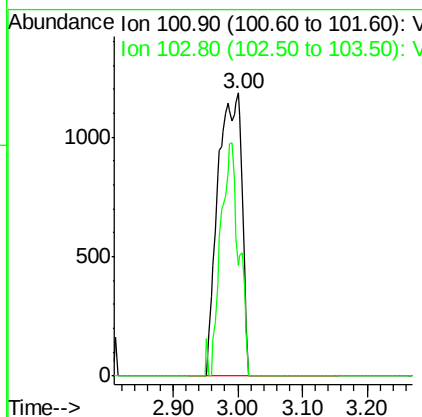
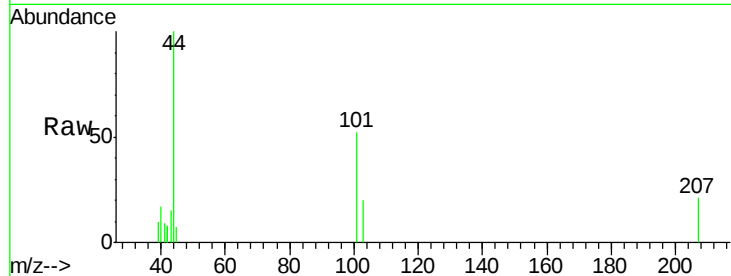
Trichlorofluoromethane
Concen: 0.619 ug/l m
RT: 3.00 min Scan# 392
Delta R.T. 0.02 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
101	100		
103	39.0	51.0	76.6#

Manual Integrations
APPROVED

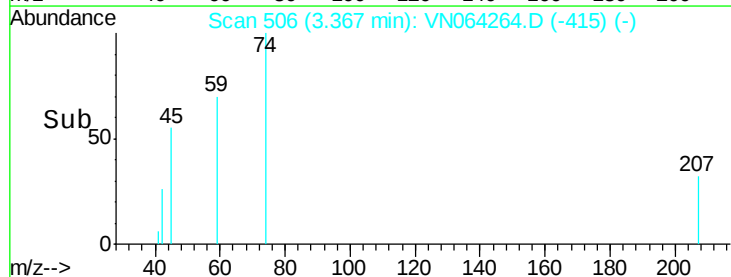
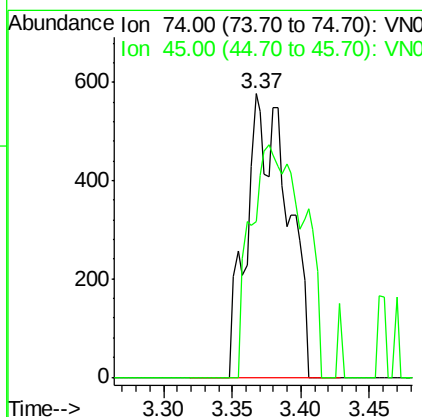
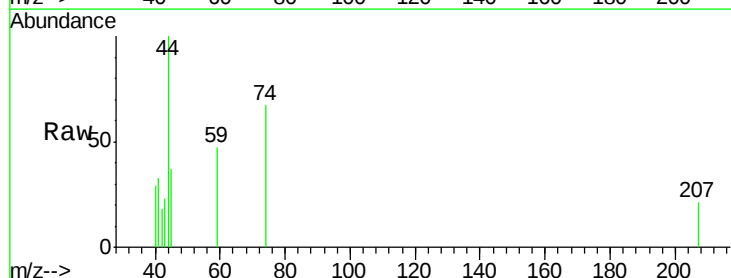
MMDadoda
10/23/2020 3:37:41 PM

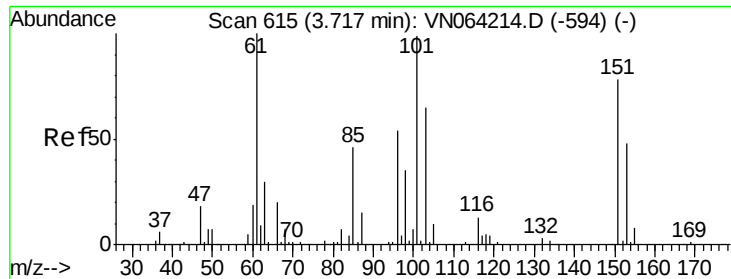


#8

Diethyl Ether
Concen: 0.738 ug/l m
RT: 3.37 min Scan# 506
Delta R.T. -0.01 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.9	51.3	154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.647 ug/l m

RT: 3.73 min Scan# 620

Delta R.T. 0.02 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

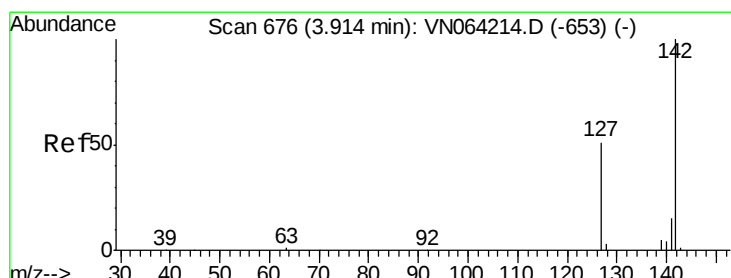
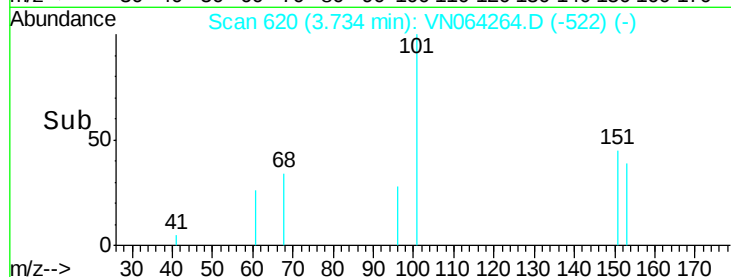
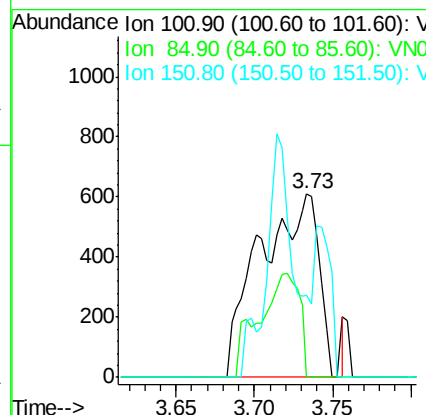
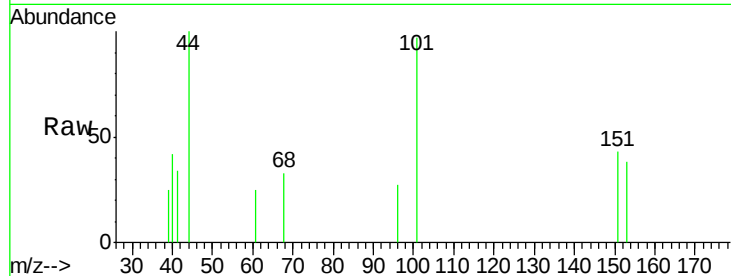
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:101 Resp: 1638
 Ion Ratio Lower Upper
 101 100
 85 27.1 37.8 56.8#
 151 54.2 61.4 92.2#

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 3:37:41 PM



#10

Methyl Iodide

Concen: 0.530 ug/l m

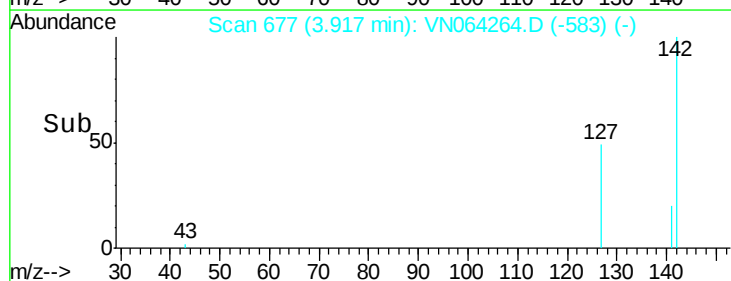
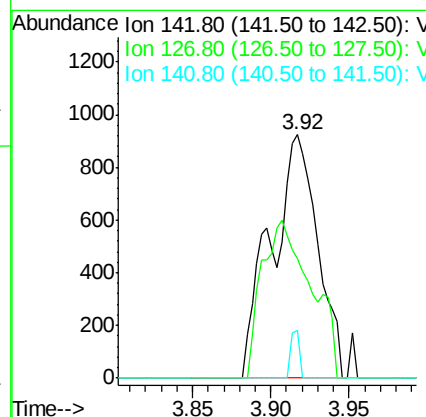
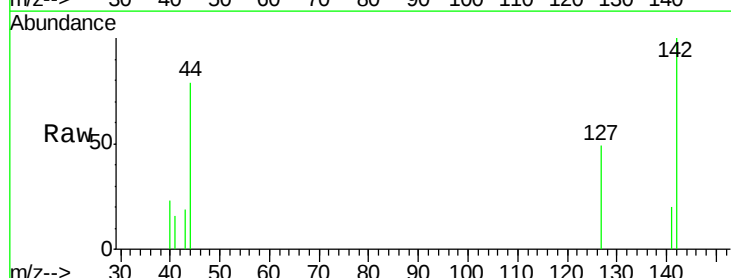
RT: 3.92 min Scan# 677

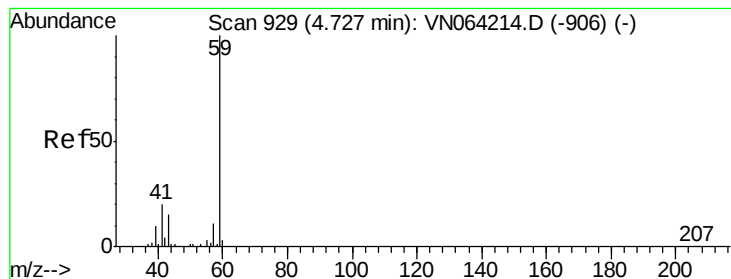
Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Tgt Ion:142 Resp: 1908
 Ion Ratio Lower Upper
 142 100
 127 68.3 41.0 61.6#
 141 3.6 11.3 16.9#





#11

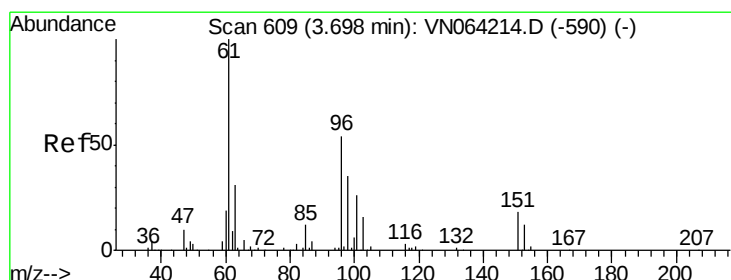
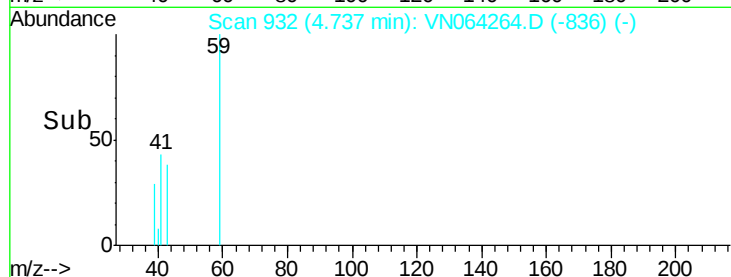
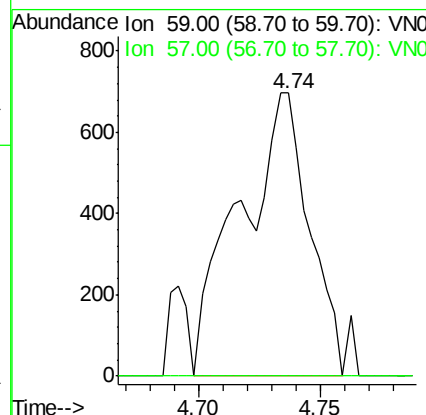
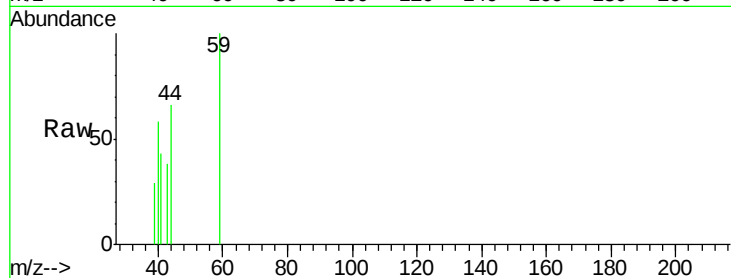
Tert butyl alcohol
 Concen: 2.685 ug/l m
 RT: 4.74 min Scan# 932
 Delta R.T. 0.01 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion: 59 Resp: 1387
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.2 13.8#

Manual Integrations
 APPROVED

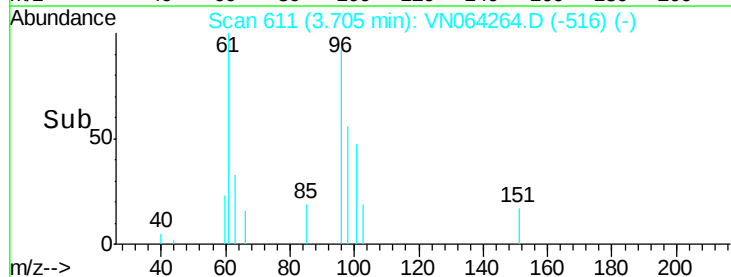
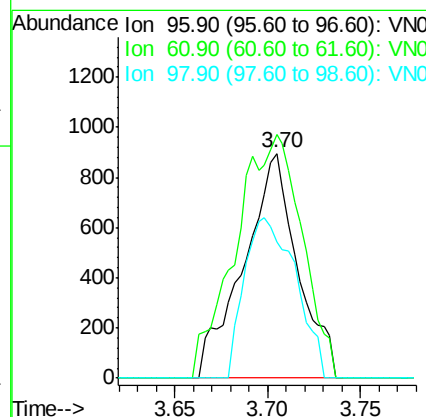
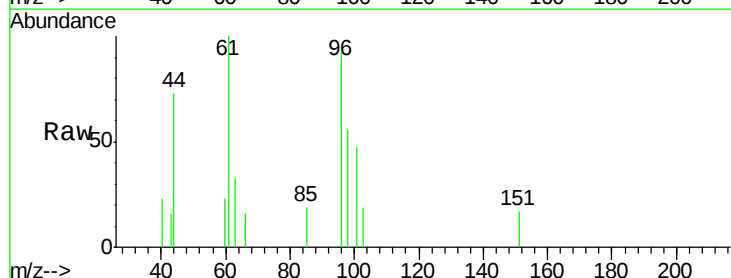
MMDadoda
 10/23/2020 3:37:41 PM

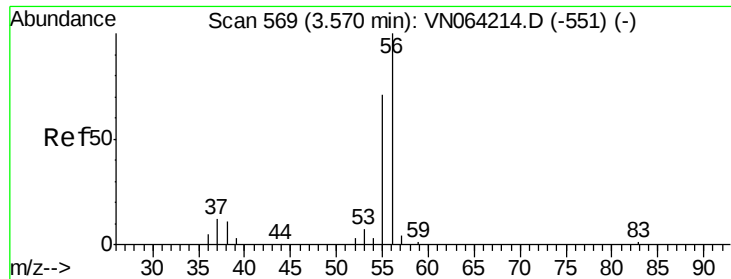


#12

1,1-Dichloroethene
 Concen: 0.744 ug/l
 RT: 3.70 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

Tgt Ion: 96 Resp: 1812
 Ion Ratio Lower Upper
 96 100
 61 108.5 147.0 220.4#
 98 60.6 51.7 77.5





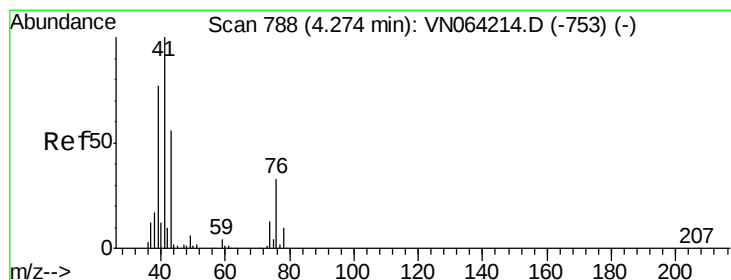
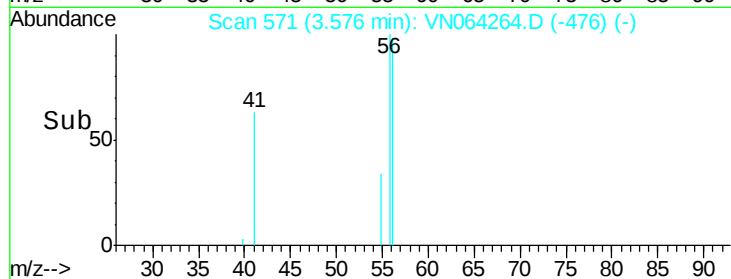
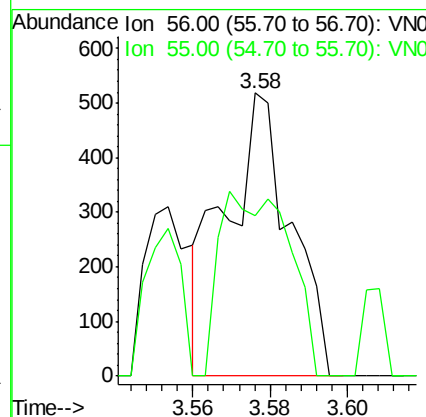
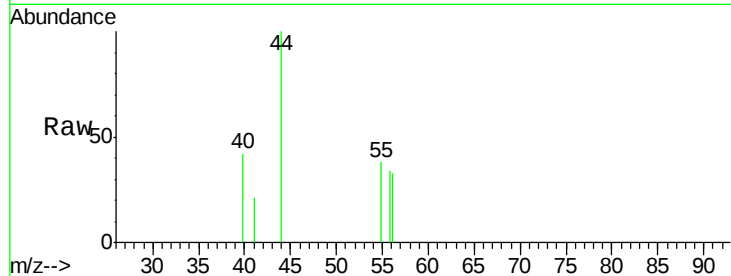
#13
 Acrolein
 Concen: 1.865 ug/l
 RT: 3.58 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion: 56 Resp: 605
 Ion Ratio Lower Upper
 56 100
 55 70.4 56.1 84.1

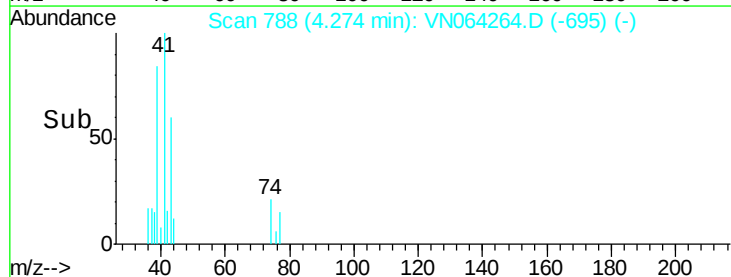
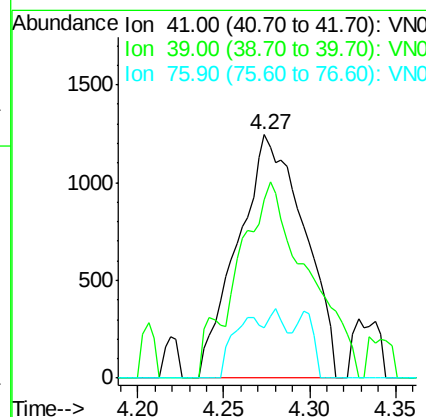
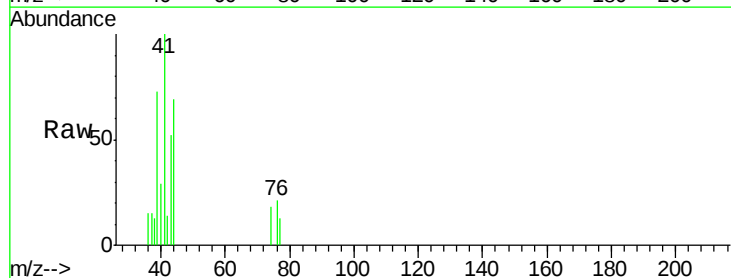
Manual Integrations
 APPROVED

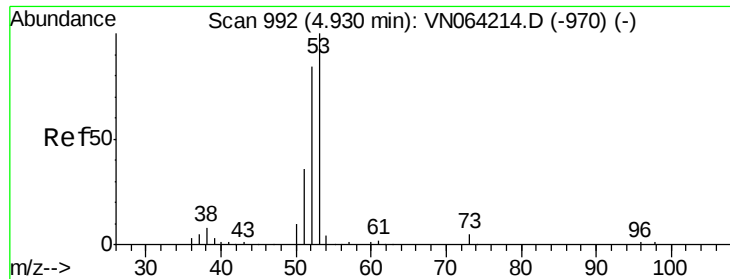
MMDadoda
 10/23/2020 3:37:41 PM



#14
 Allyl chloride
 Concen: 0.685 ug/l
 RT: 4.27 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

Tgt Ion: 41 Resp: 3341
 Ion Ratio Lower Upper
 41 100
 39 78.0 58.6 88.0
 76 8.3 24.5 36.7#





#15

Acrylonitrile

Concen: 3.240 ug/l m

RT: 4.95 min Scan# 998

Delta R.T. 0.02 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

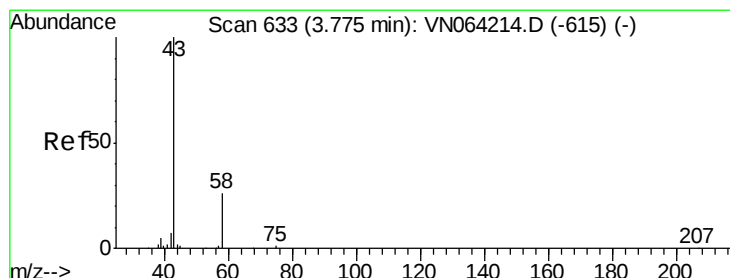
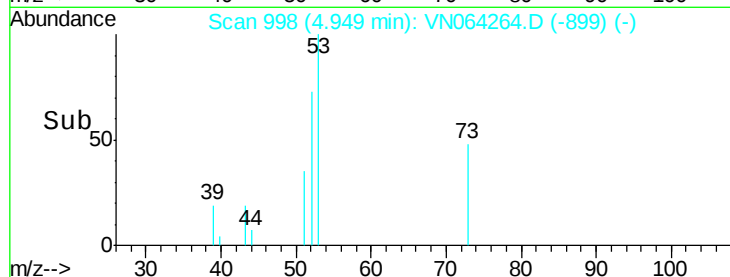
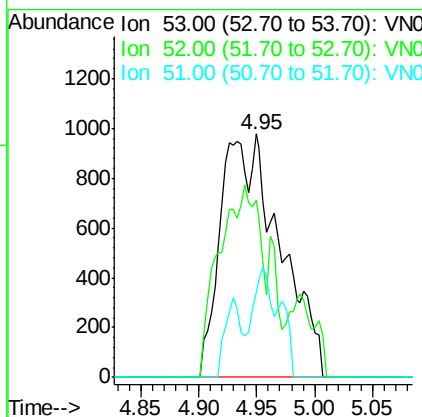
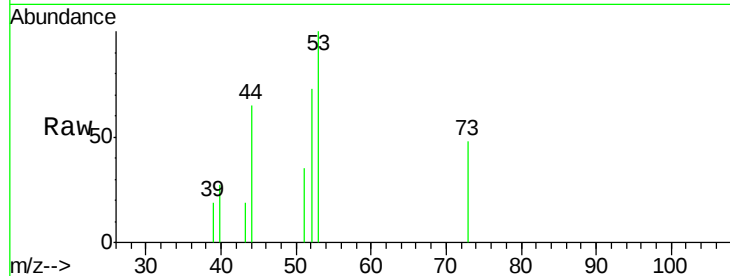
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	53	Resp:	3462
Ion	Ratio	Lower	Upper
53	100		
52	55.7	66.8	100.2#
51	8.8	30.7	46.1#

Manual Integrations
APPROVED

MMDadoda
10/23/2020 3:37:41 PM



#16

Acetone

Concen: 4.197 ug/l

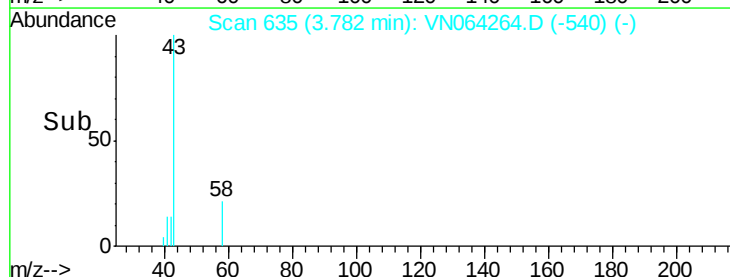
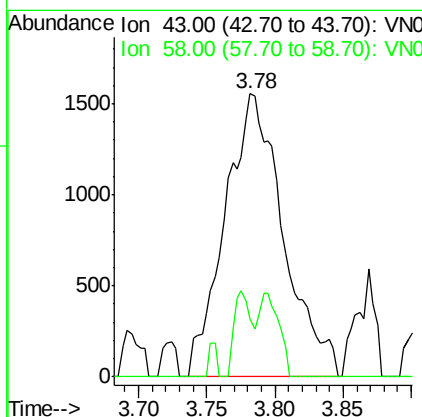
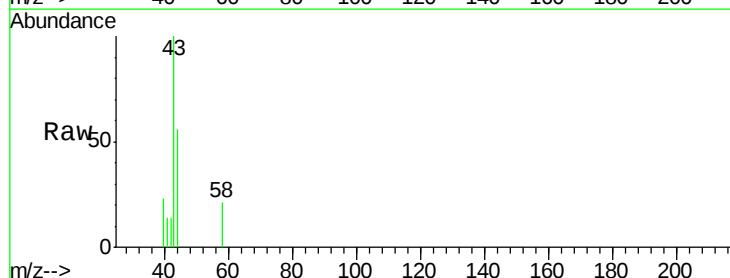
RT: 3.78 min Scan# 635

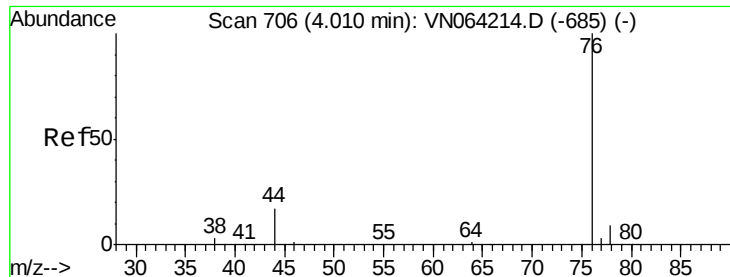
Delta R.T. 0.01 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Tgt Ion:	43	Resp:	4635
Ion	Ratio	Lower	Upper
43	100		
58	20.7	21.0	31.4#





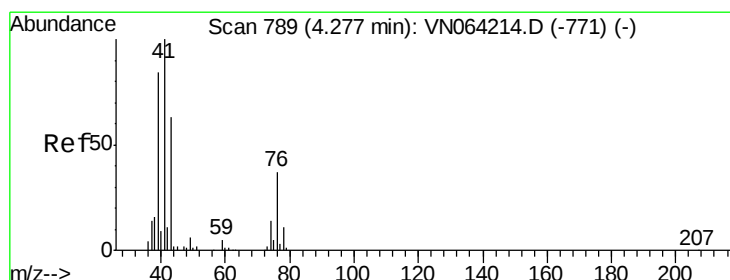
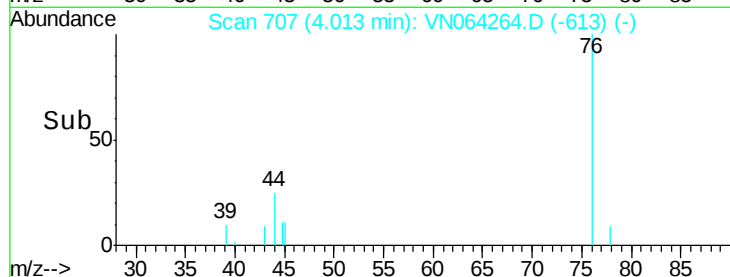
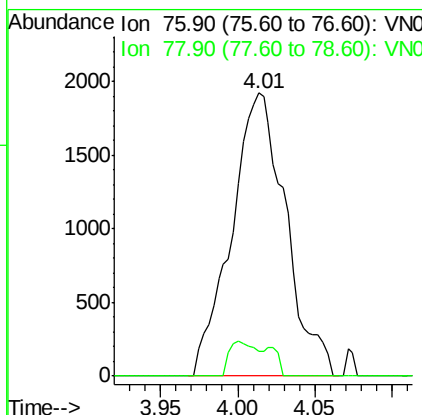
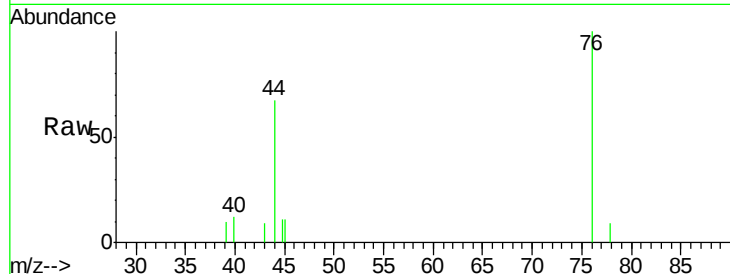
#17
Carbon Disulfide
Concen: 0.676 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 76 Resp: 4698
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7

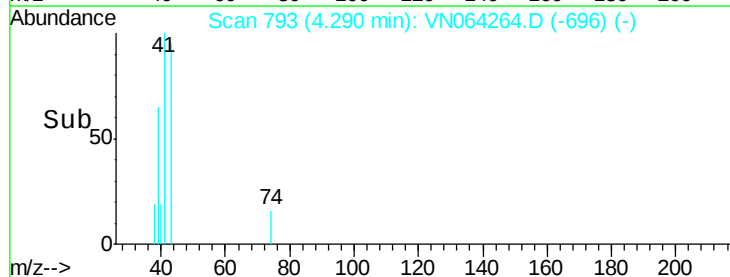
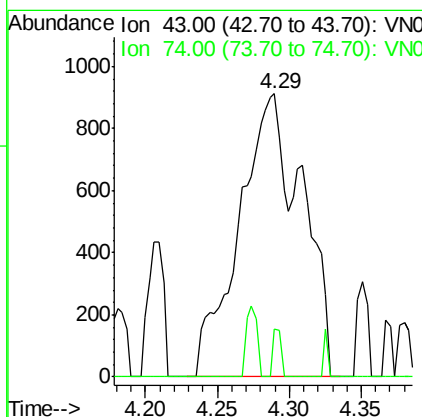
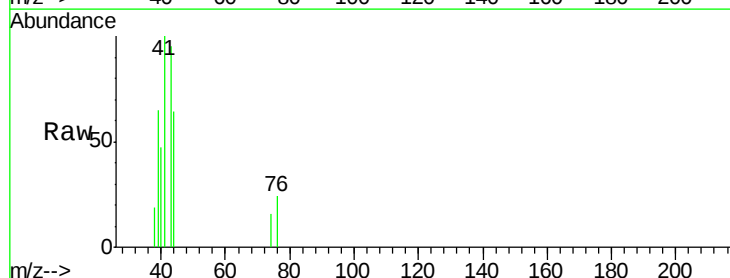
Manual Integrations
APPROVED

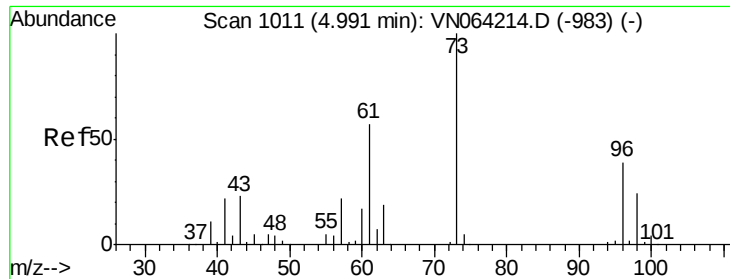
MMDadoda
10/23/2020 3:37:41 PM



#18
Methyl Acetate
Concen: 0.985 ug/l m
RT: 4.29 min Scan# 793
Delta R.T. 0.01 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Tgt Ion: 43 Resp: 2773
Ion Ratio Lower Upper
43 100
74 2.1 17.9 26.9#





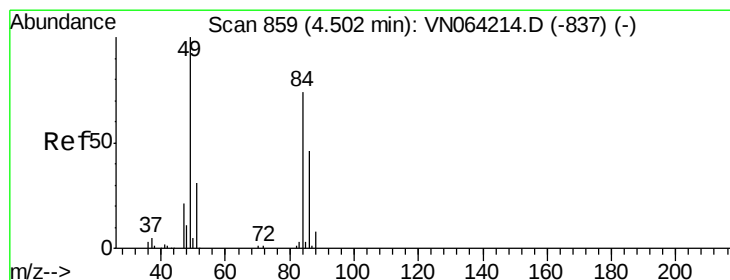
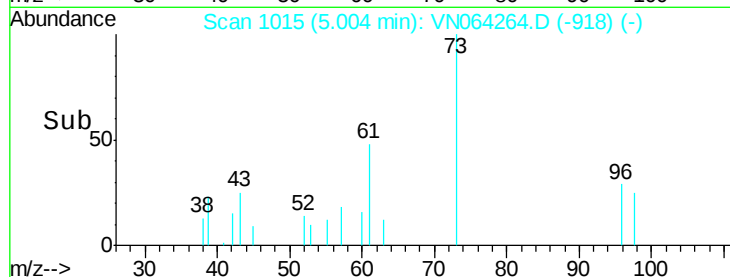
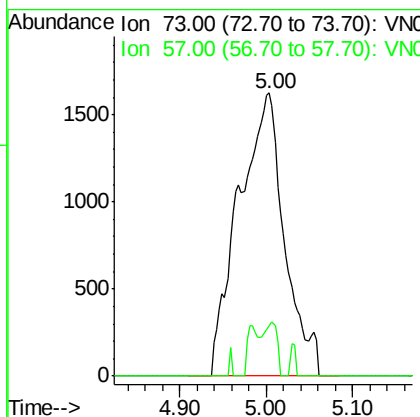
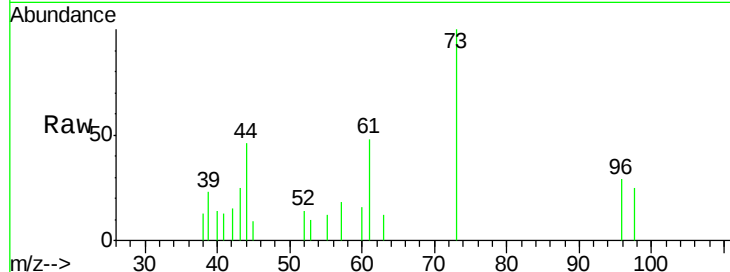
#19
Methvl tert-butvl Ether
Concen: 0.711 ug/l m
RT: 5.00 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 73 Resp: 5952
Ion Ratio Lower Upper
73 100
57 17.6 18.0 27.0#

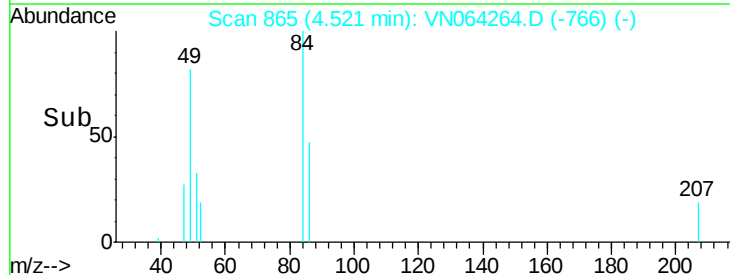
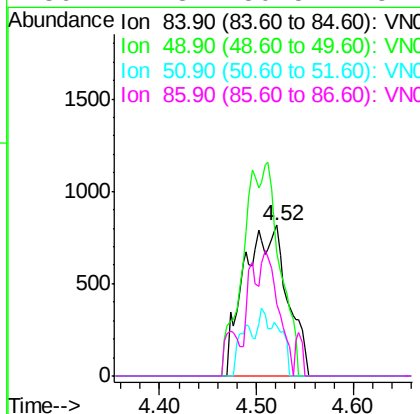
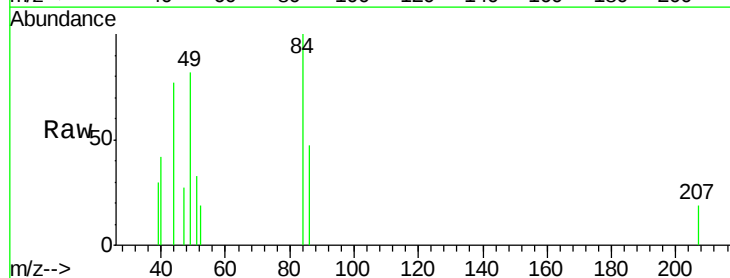
Manual Integrations
APPROVED

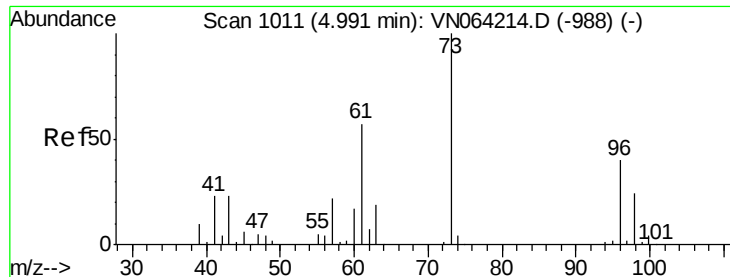
MMDadoda
10/23/2020 3:37:41 PM



#20
Methylene Chloride
Concen: 0.855 ug/l m
RT: 4.52 min Scan# 865
Delta R.T. 0.02 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Tgt Ion: 84 Resp: 2519
Ion Ratio Lower Upper
84 100
49 81.6 108.5 162.7#
51 32.7 33.8 50.8#
86 47.3 50.5 75.7#





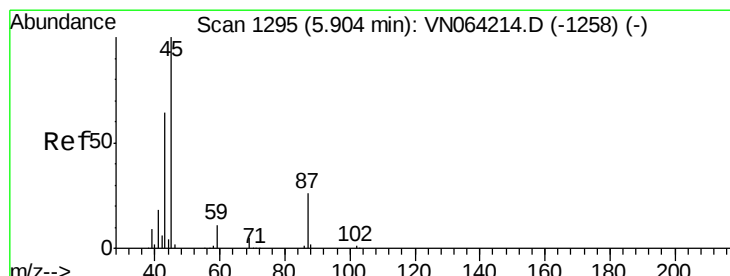
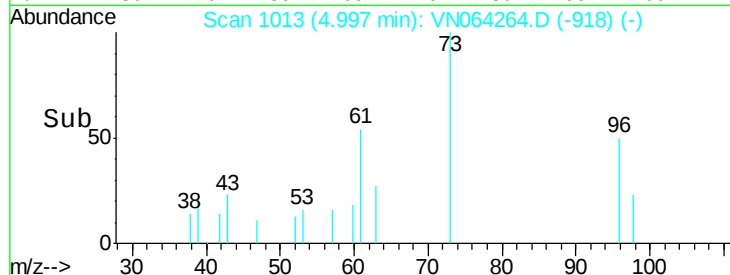
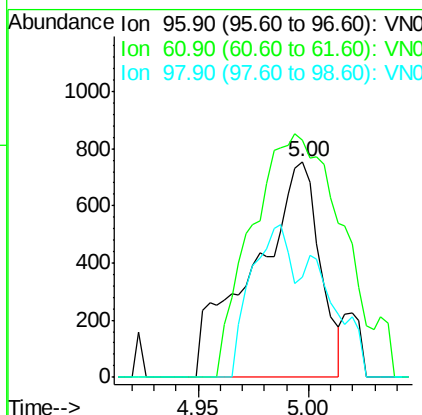
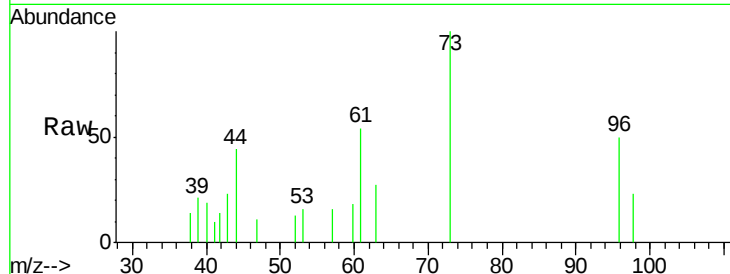
#21
trans-1,2-Dichloroethene
Concen: 0.581 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
96	100		
61	109.7	115.8	173.6#
98	46.6	49.4	74.0#

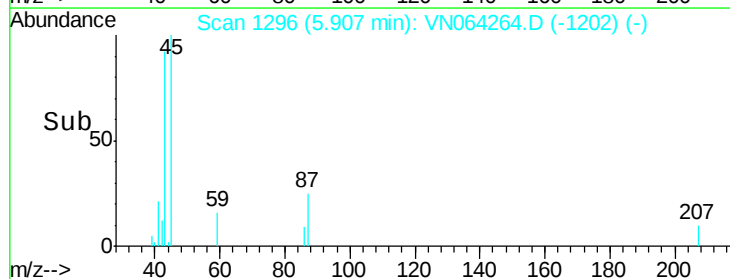
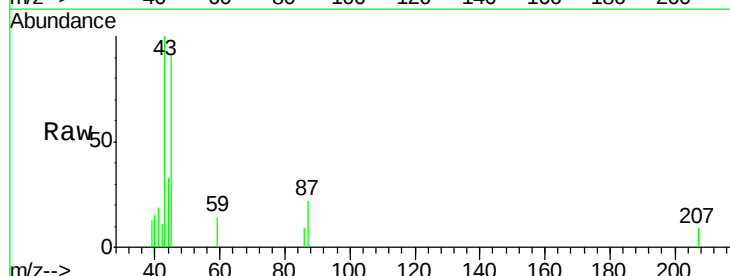
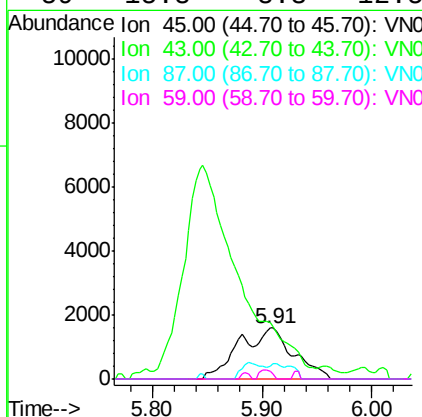
Manual Integrations
APPROVED

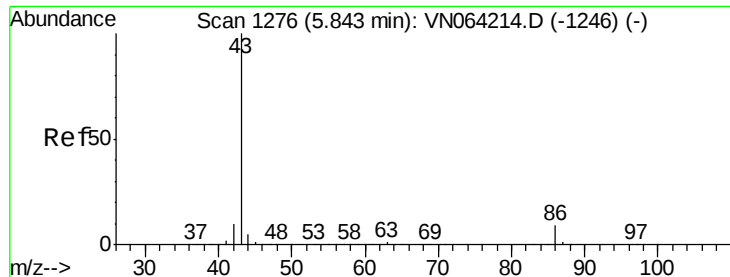
MMDadoda
10/23/2020 3:37:41 PM



#22
Diisopropyl ether
Concen: 0.604 ug/l m
RT: 5.91 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	109.6	52.2	78.4#
87	24.5	21.4	32.0
59	15.8	8.3	12.5#





#23

Vinyl Acetate

Concen: 2.783 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 22497

Ion Ratio Lower Upper

43 100

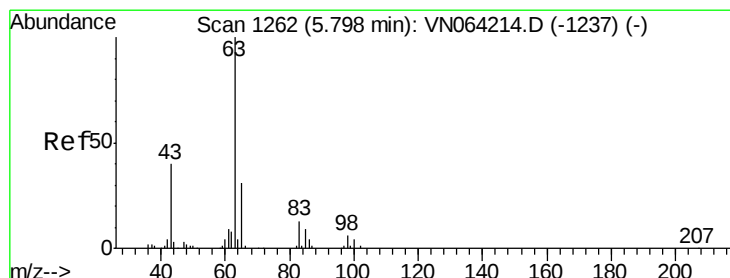
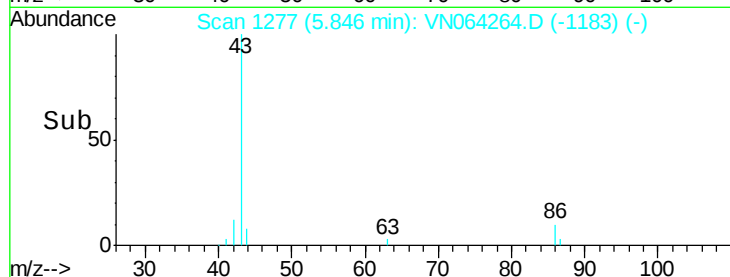
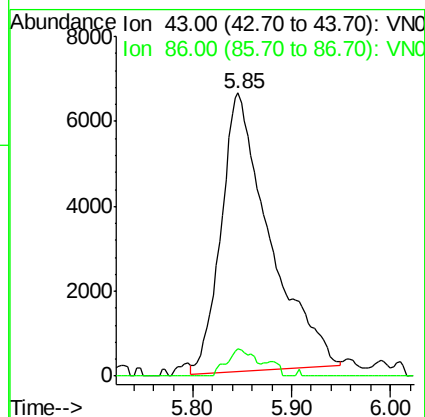
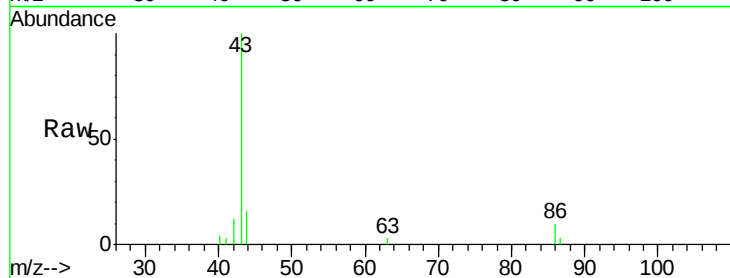
86 12.9 7.4 11.0#

Manual Integrations

APPROVED

MMDadoda

10/23/2020 3:37:41 PM



#24

1,1-Dichloroethane

Concen: 0.658 ug/l m

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

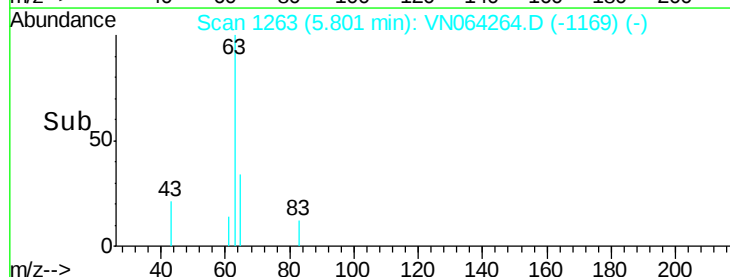
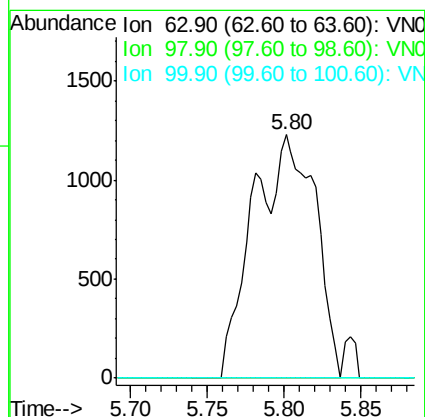
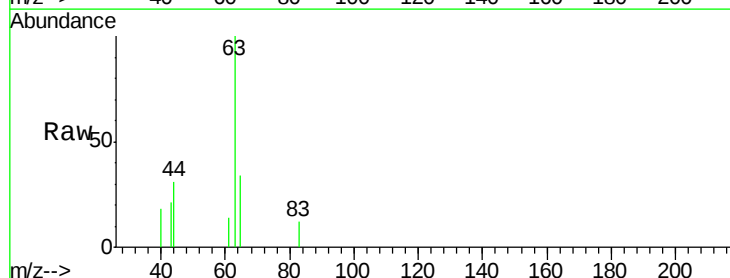
Tgt Ion: 63 Resp: 3453

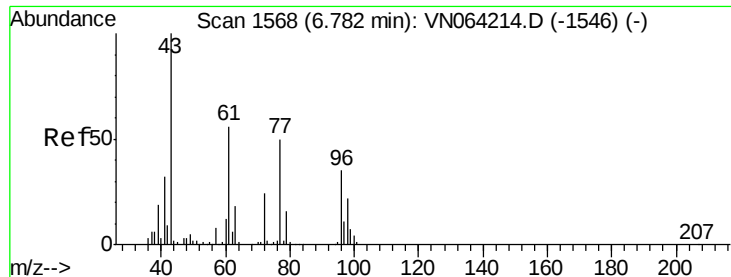
Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.7#

100 0.0 2.0 6.0#





#25

2-Butanone

Concen: 3.252 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 5706

Ion Ratio Lower Upper

43 100

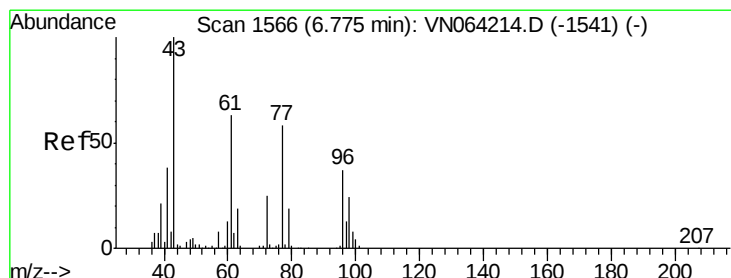
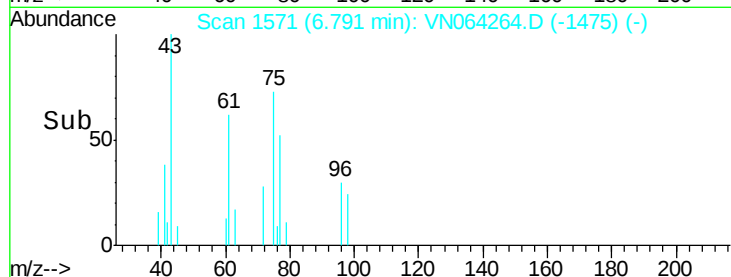
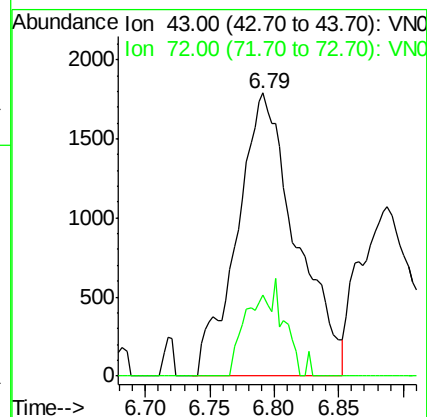
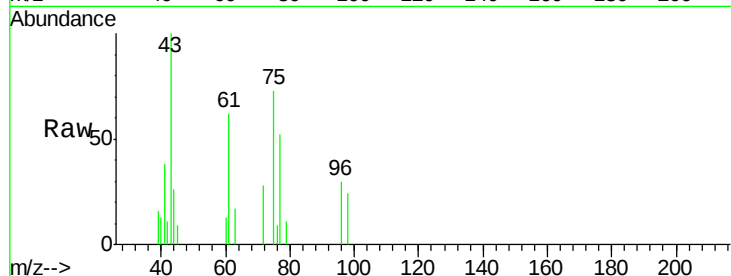
72 28.5 19.4 29.0

Manual Integrations

APPROVED

MMDadoda

10/23/2020 3:37:41 PM



#26

2,2-Dichloropropane

Concen: 0.667 ug/l m

RT: 6.78 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VN064264.D

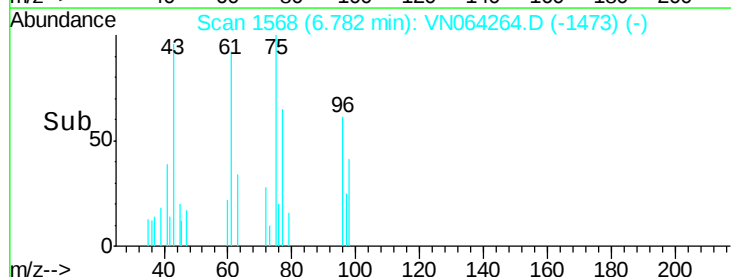
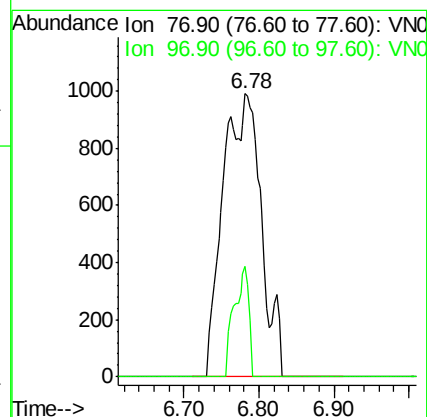
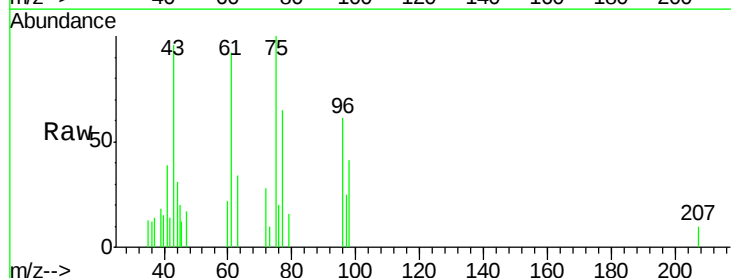
Acq: 22 Oct 2020 20:51

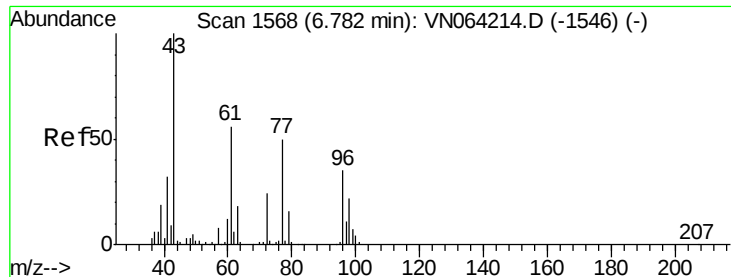
Tgt Ion: 77 Resp: 3486

Ion Ratio Lower Upper

77 100

97 14.9 10.4 31.4





#27

cis-1,2-Dichloroethene

Concen: 0.722 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

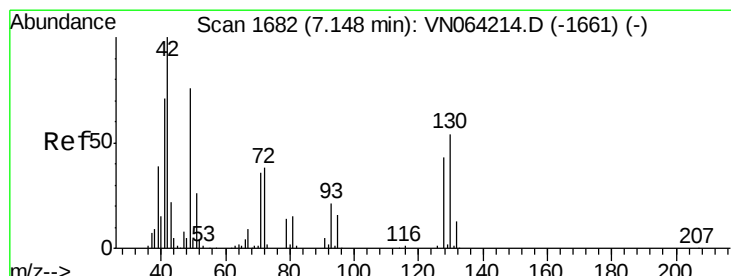
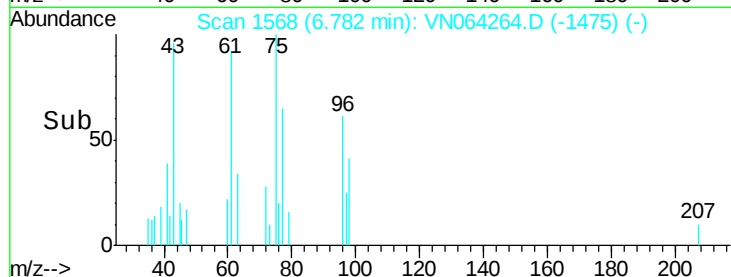
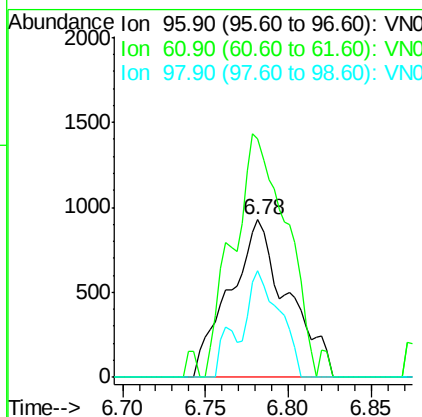
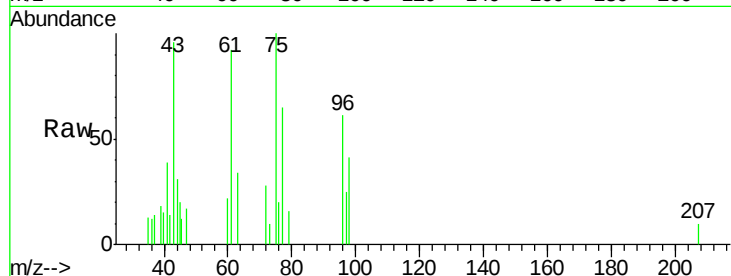
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	96	Resp:	2257
Ion	Ratio	Lower	Upper
96	100		
61	142.0	0.0	330.0
98	37.4	0.0	130.6

Manual Integrations
APPROVED

MMDadoda
10/23/2020 3:37:41 PM



#28

Bromochloromethane

Concen: 0.503 ug/l

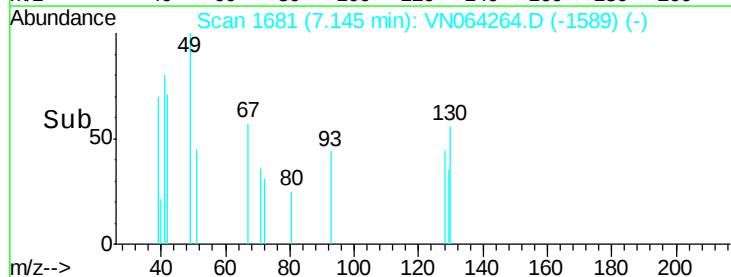
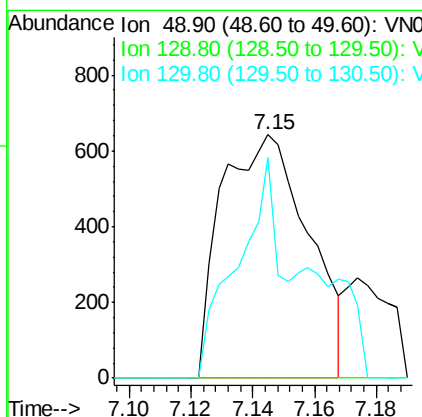
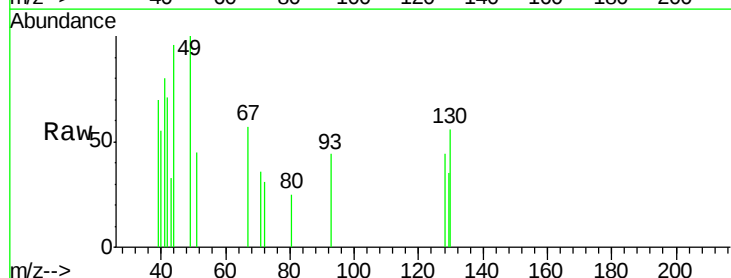
RT: 7.15 min Scan# 1681

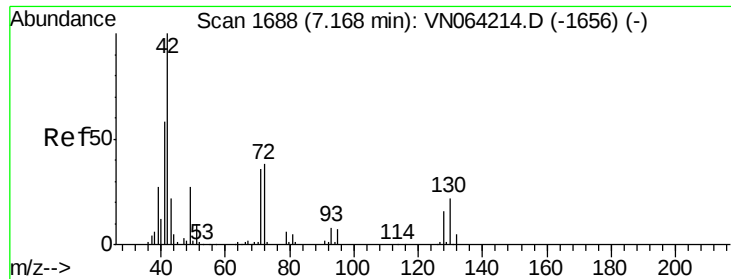
Delta R.T. -0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Tgt Ion:	49	Resp:	1255
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.8
130	44.1	58.8	88.2#





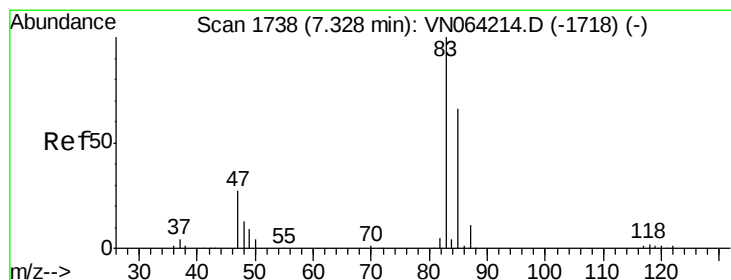
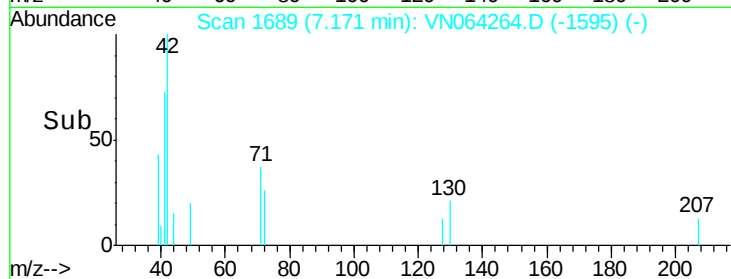
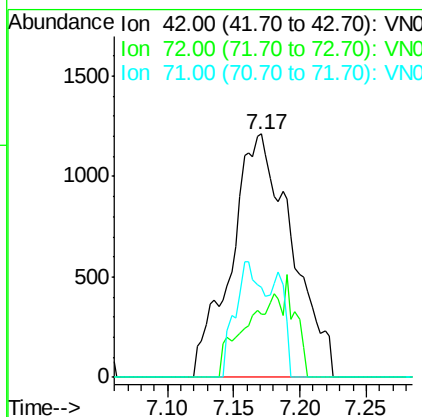
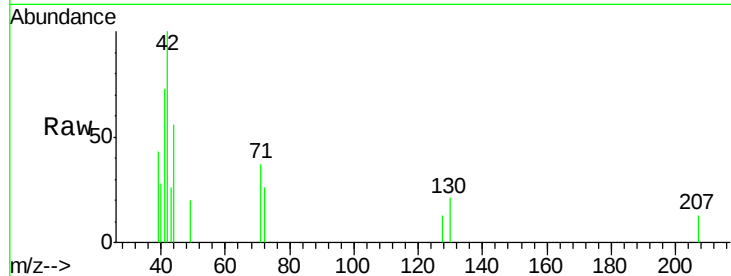
#29
Tetrahydrofuran
Concen: 3.682 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
42	100		
72	21.1	30.8	46.2#
71	8.6	29.0	43.6#

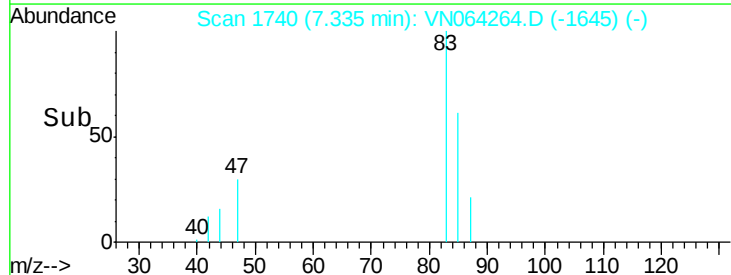
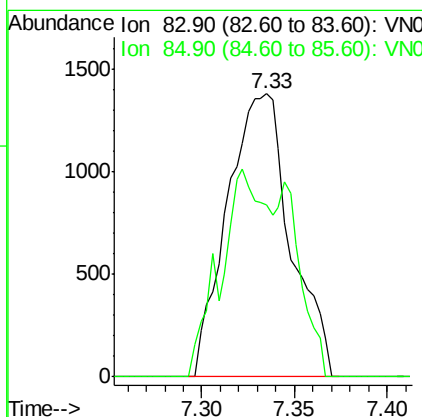
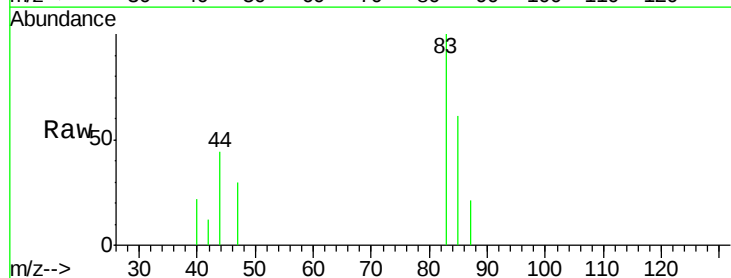
Manual Integrations
APPROVED

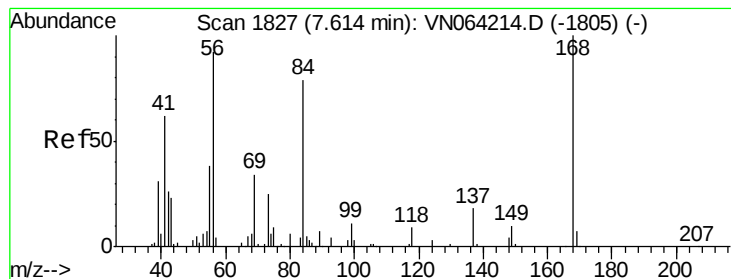
MMDadoda
10/23/2020 3:37:41 PM



#30
Chloroform
Concen: 0.585 ug/l
RT: 7.33 min Scan# 1740
Delta R.T. 0.01 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.7	52.5	78.7





#31

Cyclohexane

Concen: 2.010 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

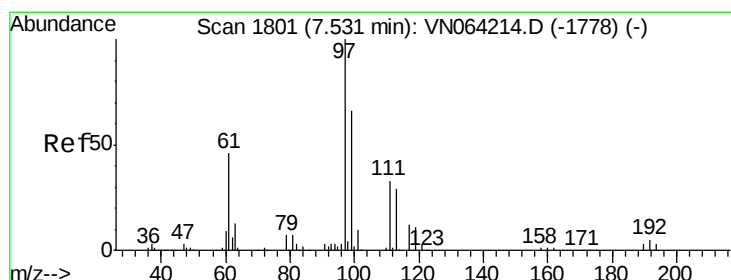
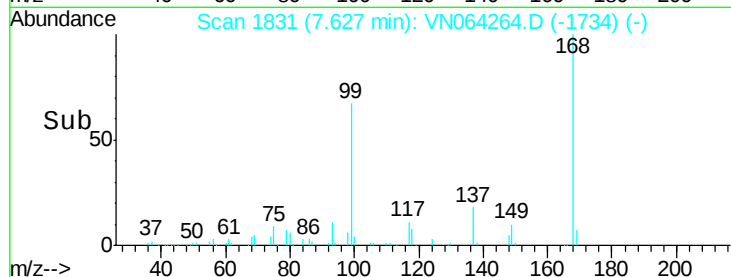
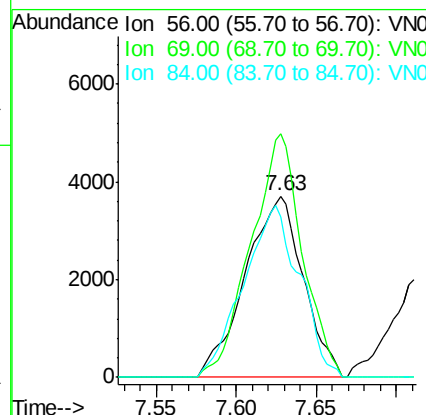
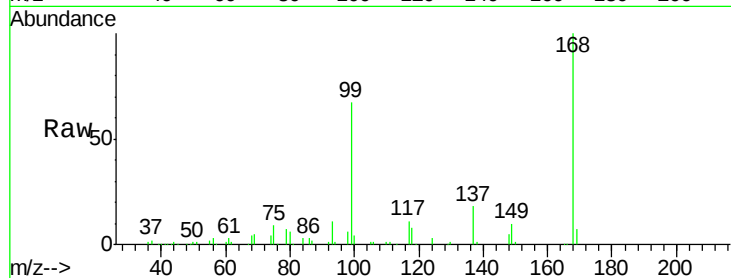
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	56	Resp:	9195
Ion Ratio	Lower	Upper	
56	100		
69	134.2	29.8	44.6#
84	88.3	68.1	102.1

Manual Integrations
APPROVED

MMDadoda
10/23/2020 3:37:41 PM



#32

1,1,1-Trichloroethane

Concen: 0.602 ug/l m

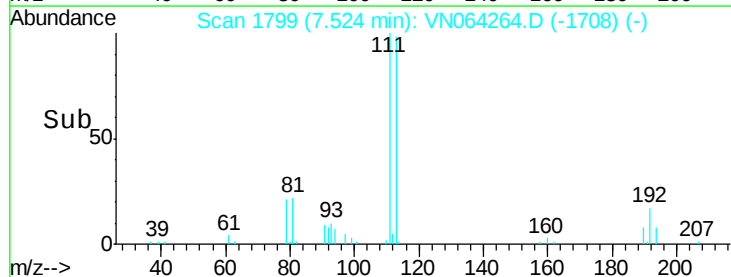
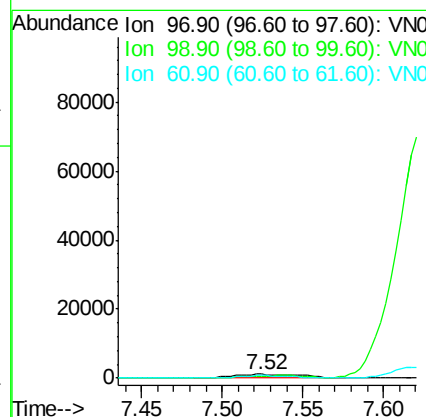
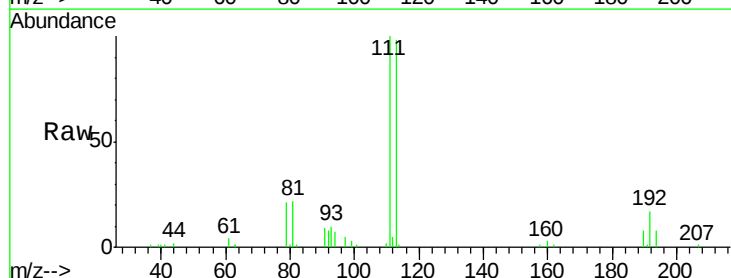
RT: 7.52 min Scan# 1799

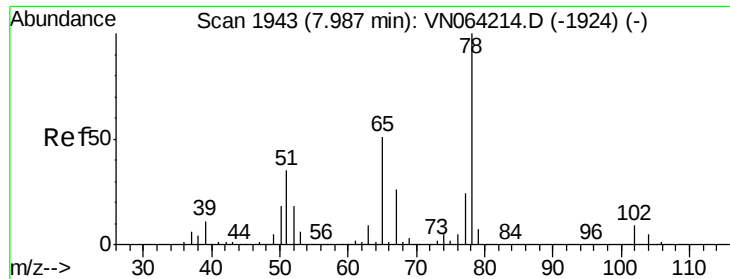
Delta R.T. -0.01 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Tgt Ion:	97	Resp:	3160
Ion Ratio	Lower	Upper	
97	100		
99	0.0	51.2	76.8#
61	36.6	36.3	54.5





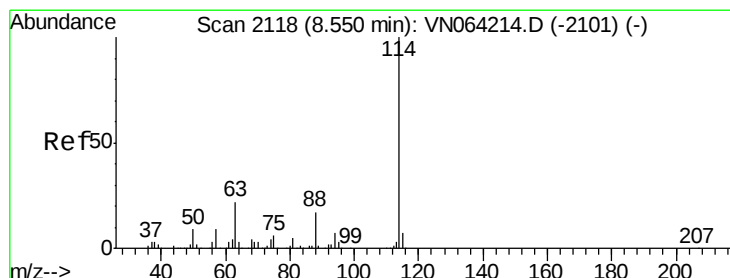
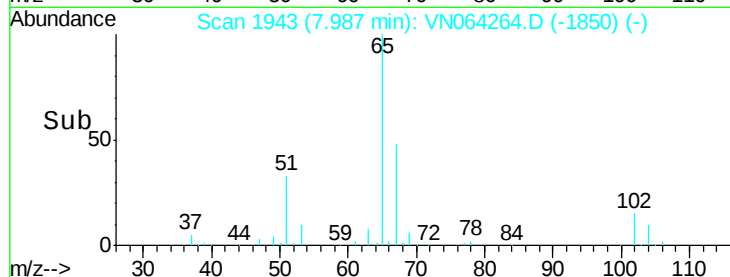
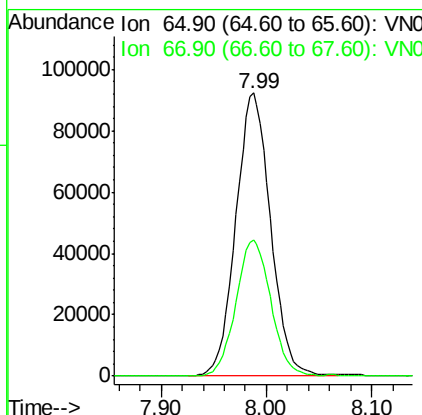
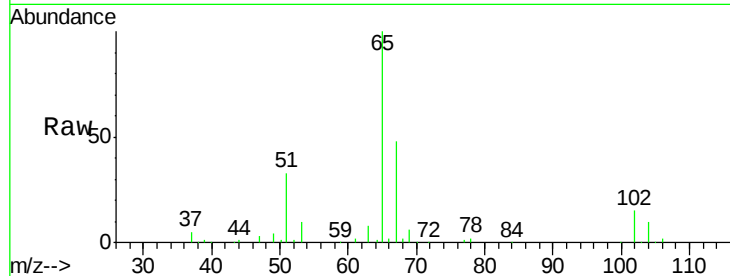
#33
 1,2-Dichloroethane-d4
 Concen: 54.756 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	211343		
67	48.2	0.0	100.2	

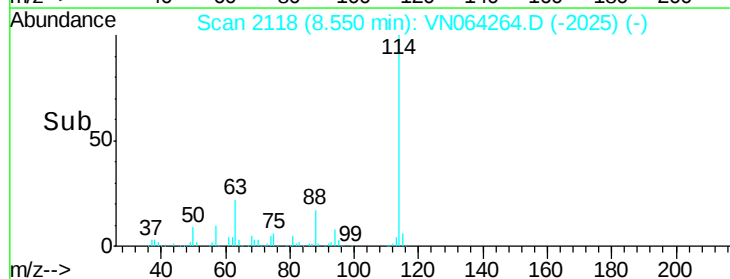
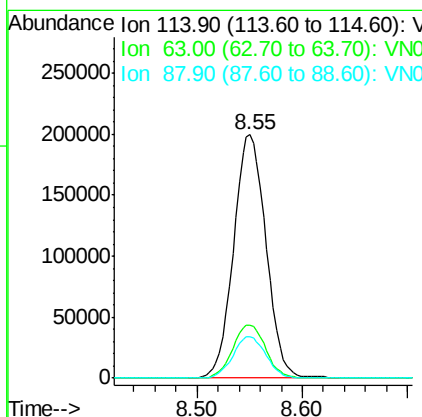
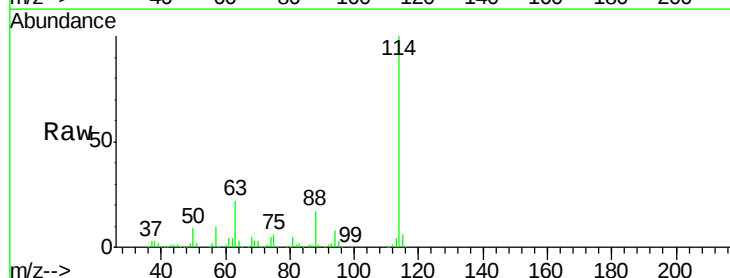
Manual Integrations
 APPROVED

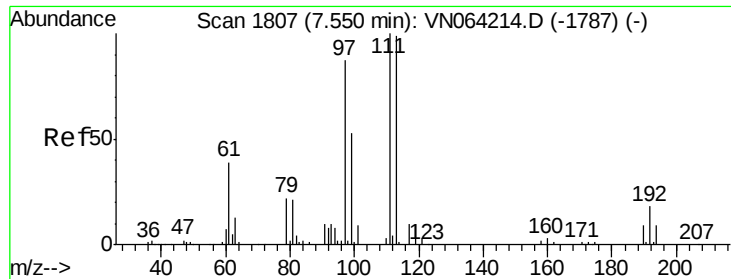
MMDadoda
 10/23/2020 3:37:41 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	425620		
63	21.7	0.0	44.0	
88	17.1	0.0	34.2	





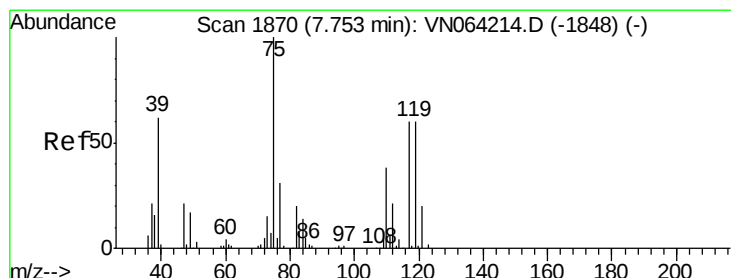
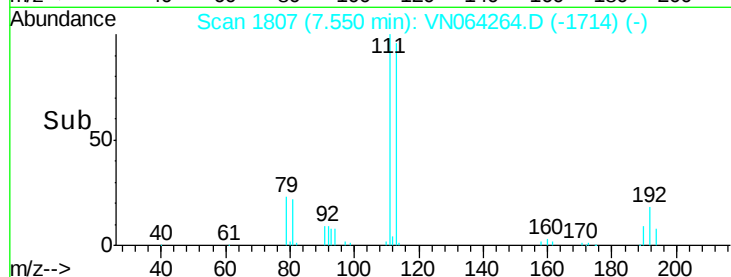
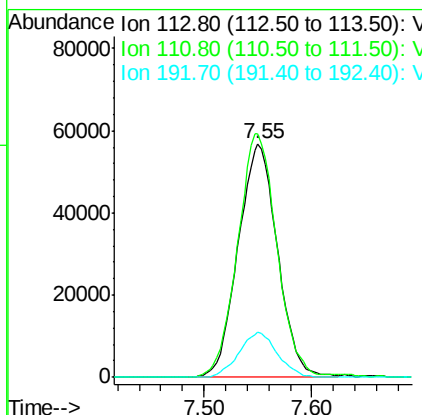
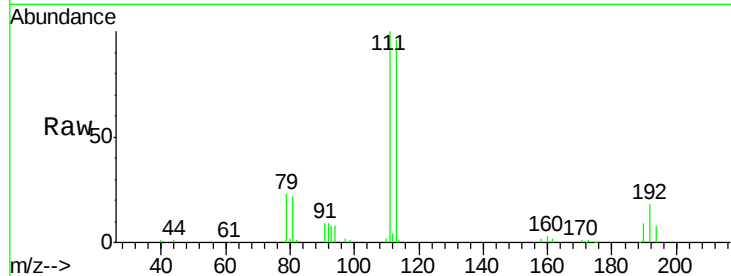
#35
 Dibromofluoromethane
 Concen: 50.885 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	143992		
111	104.2	84.2	126.2	
192	18.9	15.2	22.8	

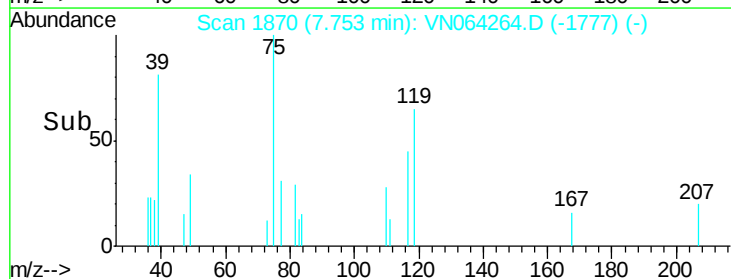
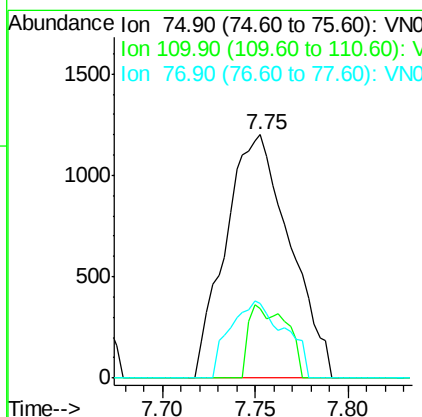
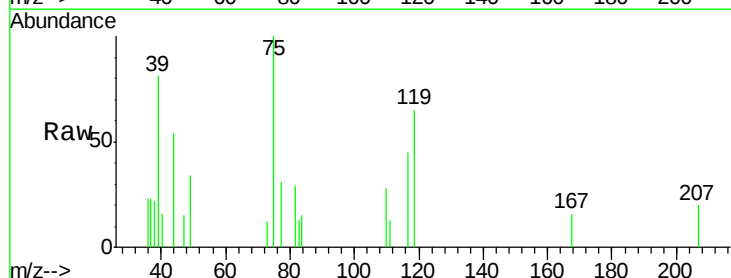
Manual Integrations
 APPROVED

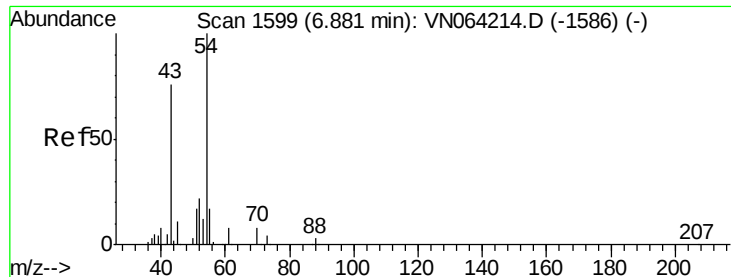
MMDadoda
 10/23/2020 3:37:41 PM



#36
 1,1-Dichloropropene
 Concen: 0.679 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	2883		
110	17.6	17.2	51.6	
77	26.9	24.9	37.3	





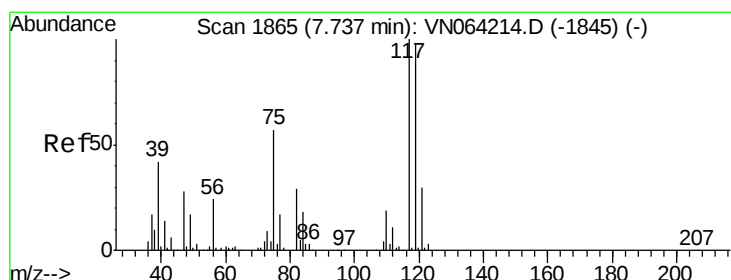
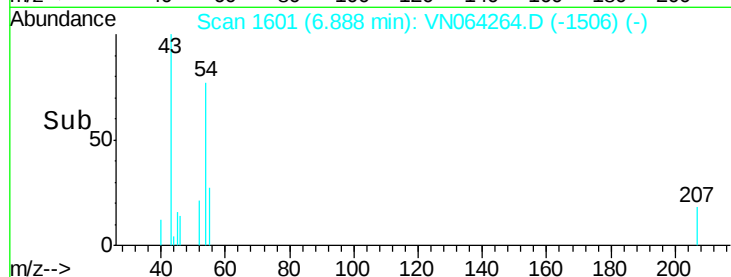
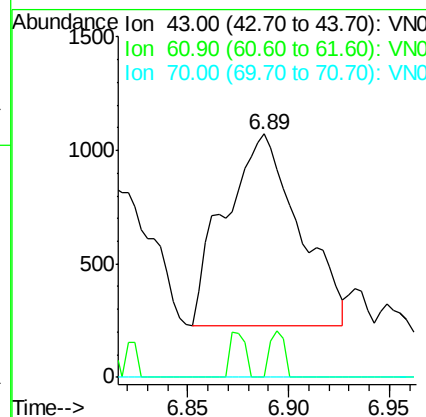
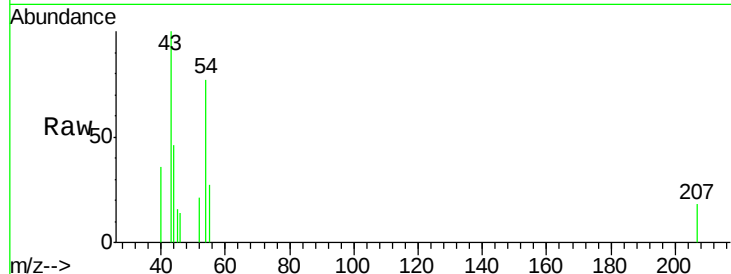
#37
Ethyl Acetate
Concen: 0.557 ug/l
RT: 6.89 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	4.8	10.0	15.0#
70	0.0	7.5	11.3#

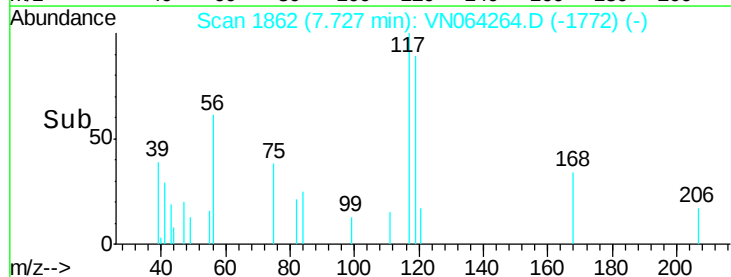
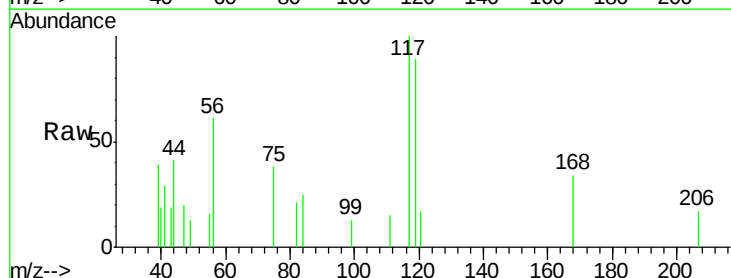
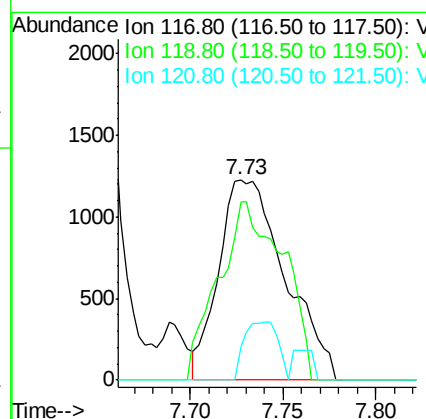
Manual Integrations
APPROVED

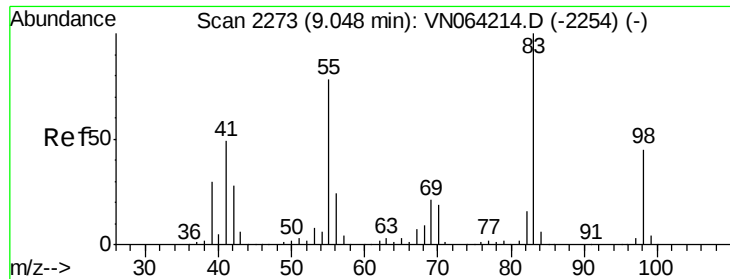
MMDadoda
10/23/2020 3:37:41 PM



#38
Carbon Tetrachloride
Concen: 0.634 ug/l
RT: 7.73 min Scan# 1862
Delta R.T. -0.01 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.0	78.5	117.7
121	16.9	24.3	36.5#





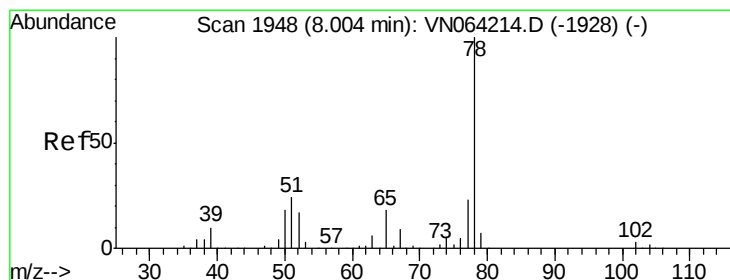
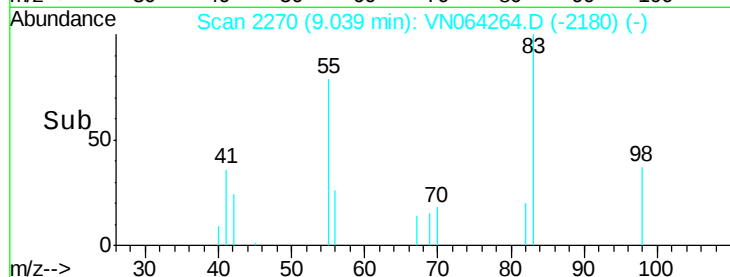
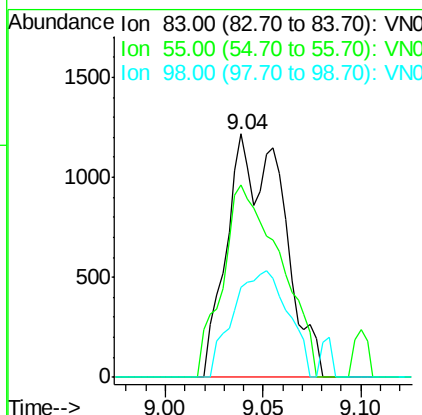
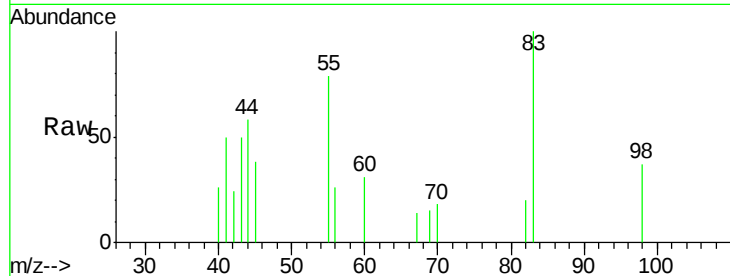
#39
Methvlcvclohexane
Concen: 0.627 ug/l m
RT: 9.04 min Scan# 2270
Delta R.T. -0.01 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.1	62.2	93.2
98	36.9	35.9	53.9

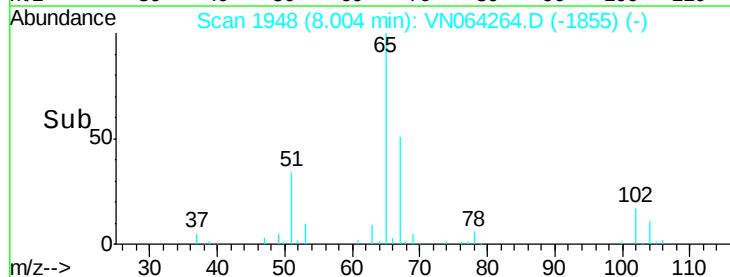
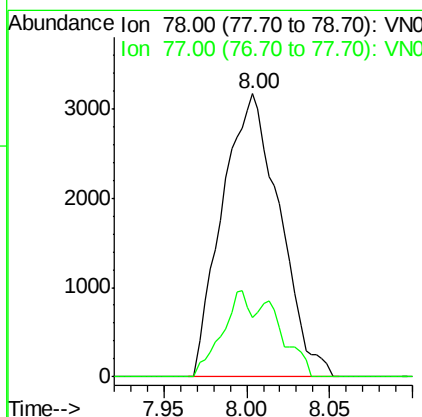
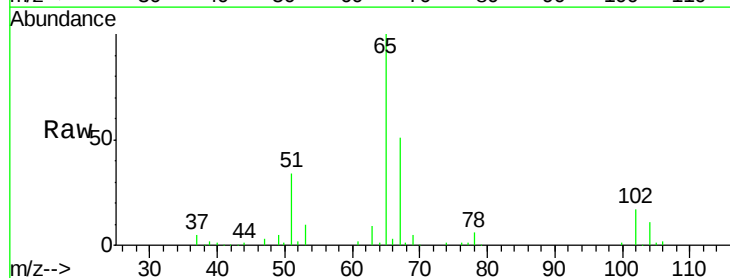
Manual Integrations
APPROVED

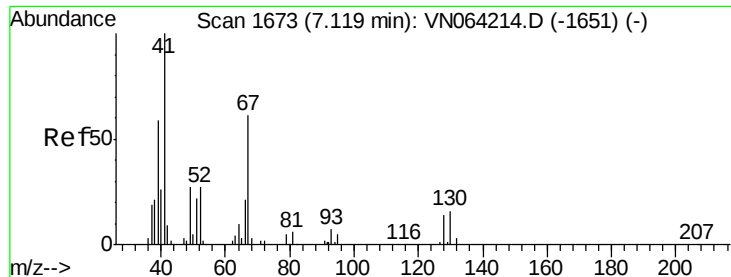
MMDadoda
10/23/2020 3:37:41 PM



#40
Benzene
Concen: 0.649 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.0	18.3	27.5





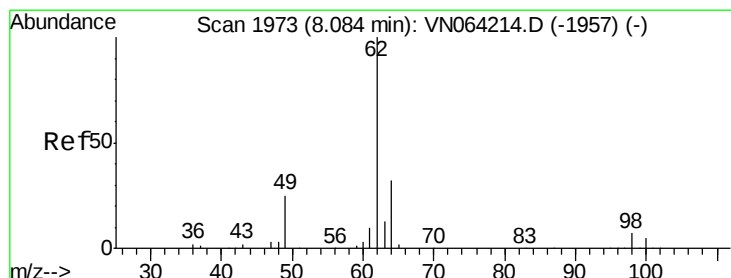
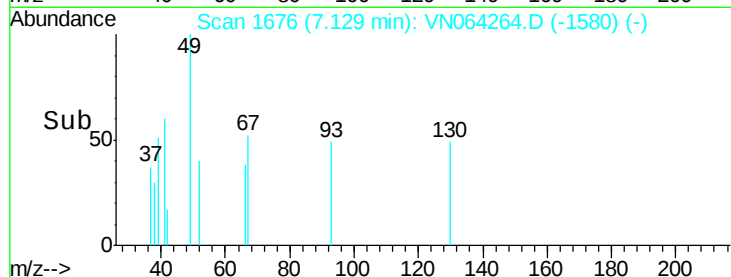
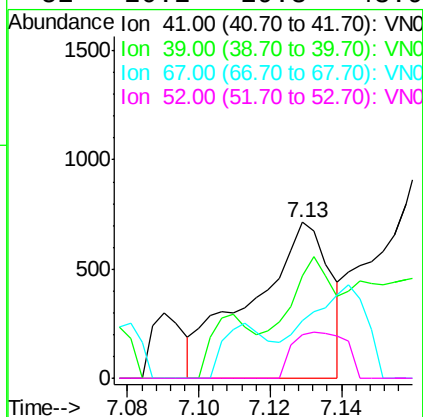
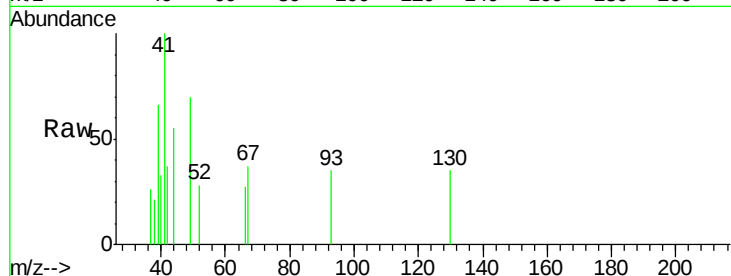
#41
Methacrylonitrile
Concen: 0.536 ug/l m
RT: 7.13 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	23.2	50.5	75.7#	
67	44.3	63.2	94.8#	
52	20.2	29.3	43.9#	

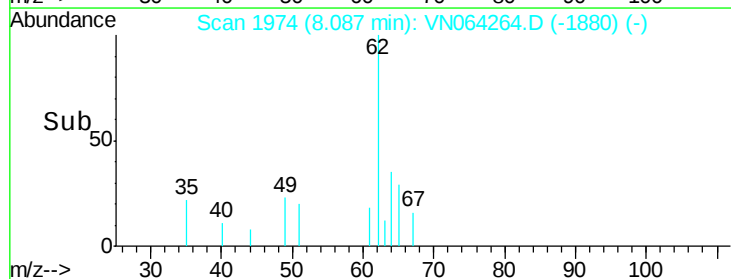
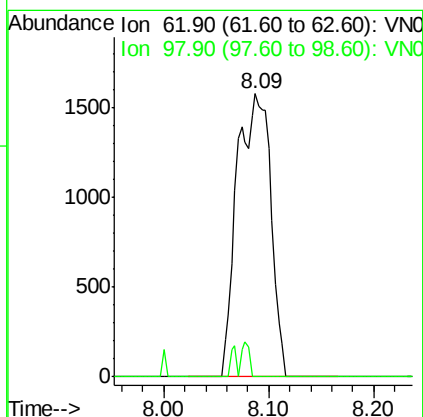
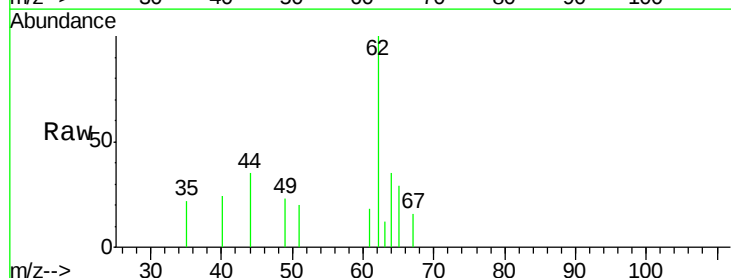
Manual Integrations
APPROVED

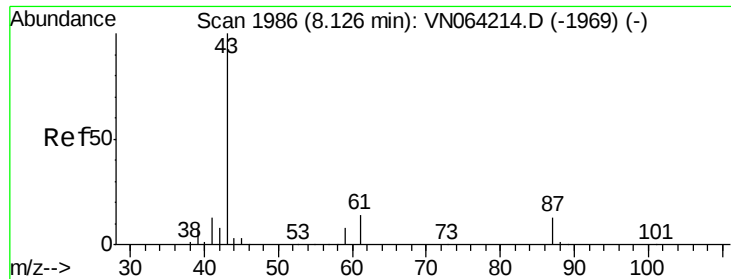
MMDadoda
10/23/2020 3:37:41 PM



#42
1,2-Dichloroethane
Concen: 0.700 ug/l m
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	2.8	0.0	15.0	





#43

Isopropyl Acetate

Concen: 0.697 ug/l

RT: 8.14 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

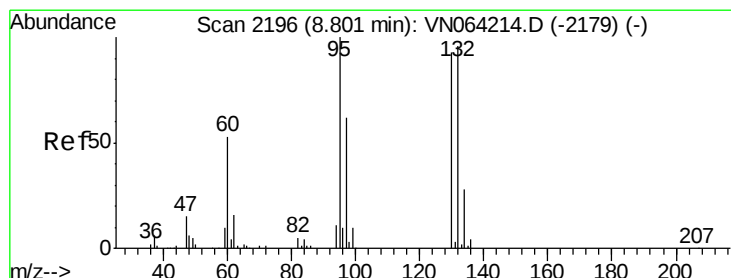
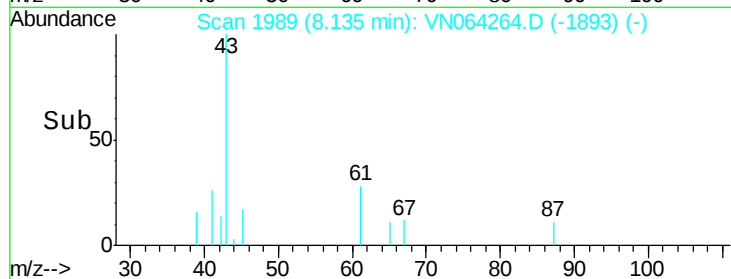
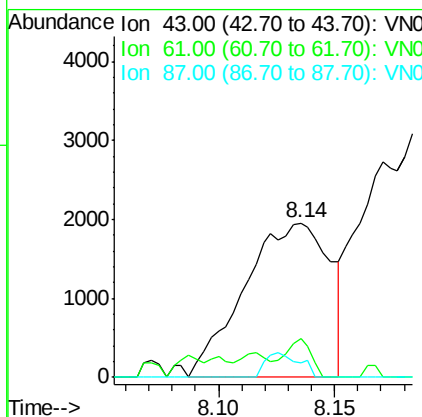
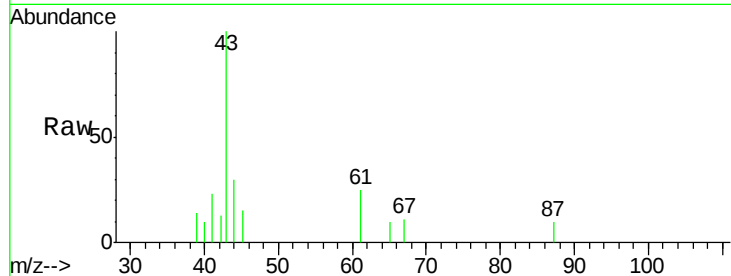
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	43	Resp:	5007
Ion	Ratio	Lower	Upper
43	100		
61	7.7	19.6	29.4#
87	6.3	9.8	14.6#

Manual Integrations
APPROVED

MMDadoda
10/23/2020 3:37:41 PM



#44

Trichloroethene

Concen: 0.539 ug/l

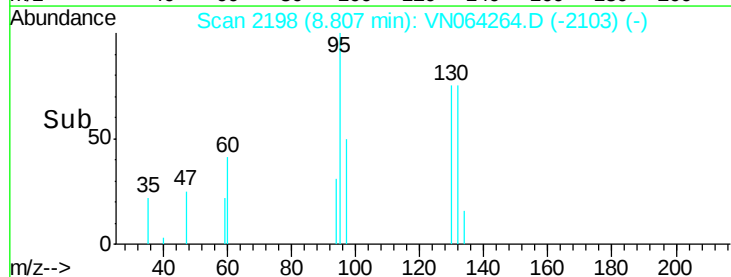
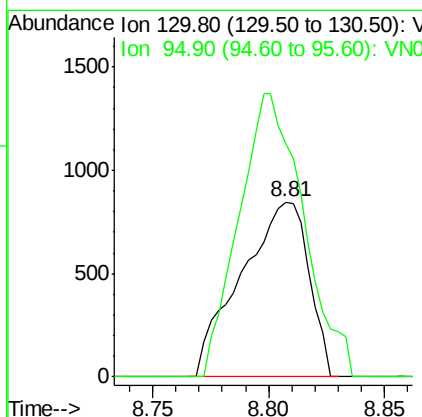
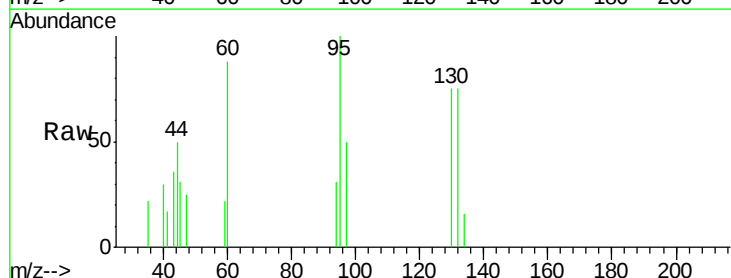
RT: 8.81 min Scan# 2198

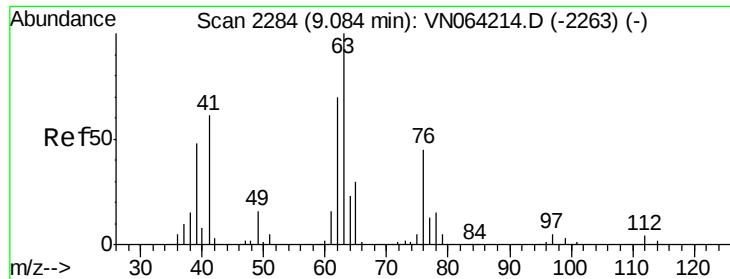
Delta R.T. 0.01 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Tgt Ion:	130	Resp:	1720
Ion	Ratio	Lower	Upper
130	100		
95	133.2	0.0	214.0





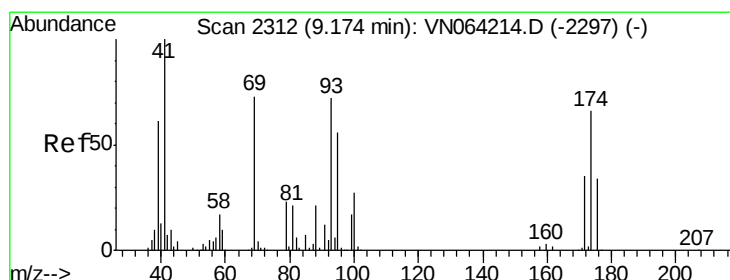
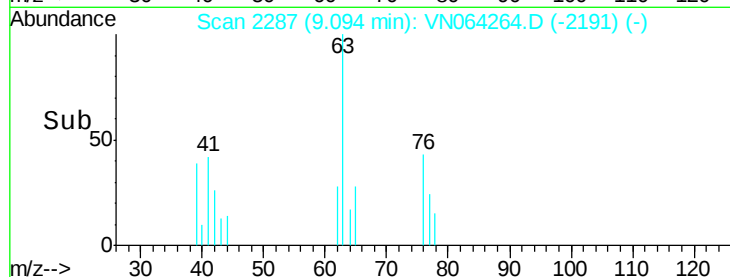
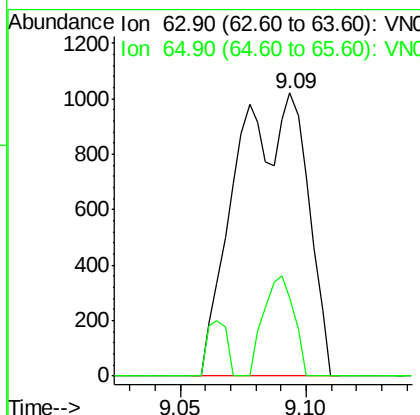
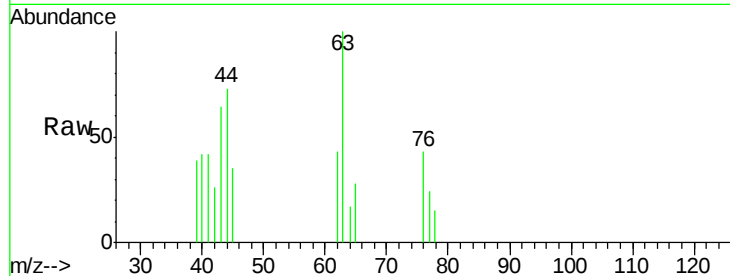
#45
 1,2-Dichloropropane
 Concen: 0.637 ug/l m
 RT: 9.09 min Scan# 2287
 Delta R.T. 0.01 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion: 63 Resp: 1992
 Ion Ratio Lower Upper
 63 100
 65 27.5 24.0 36.0

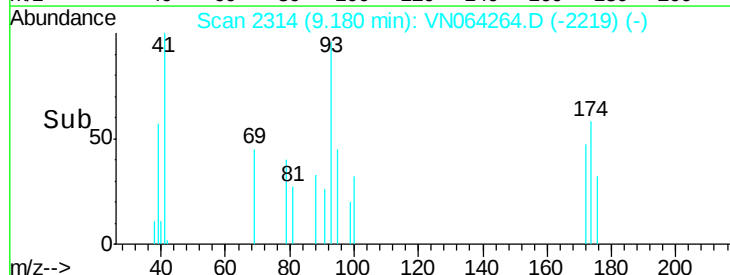
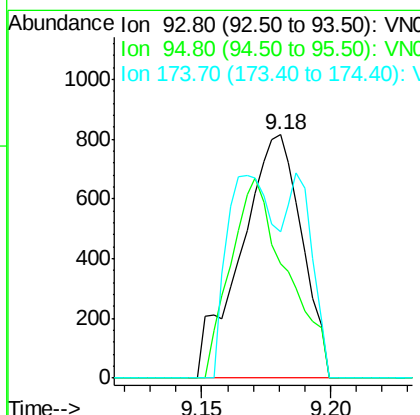
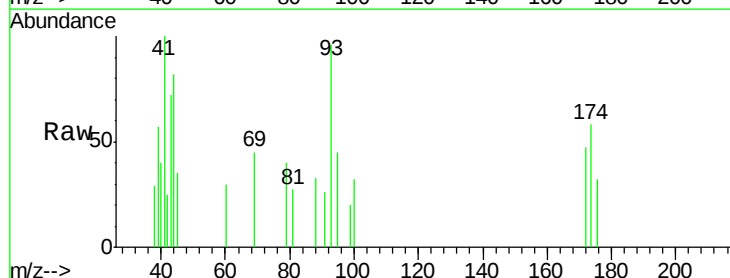
Manual Integrations
 APPROVED

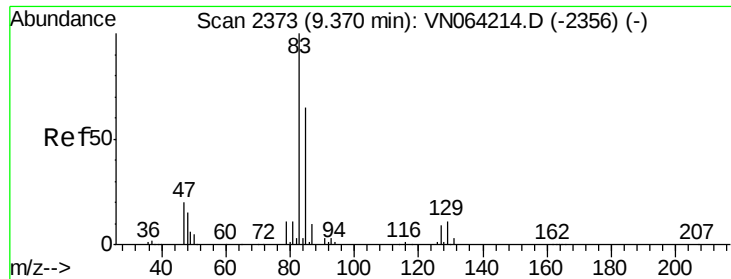
MMDadoda
 10/23/2020 3:37:41 PM



#46
 Dibromomethane
 Concen: 0.640 ug/l
 RT: 9.18 min Scan# 2314
 Delta R.T. 0.01 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

Tgt Ion: 93 Resp: 1343
 Ion Ratio Lower Upper
 93 100
 95 0.0 63.0 94.4#
 174 35.8 72.9 109.3#





#47

Bromodichloromethane

Concen: 0.701 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

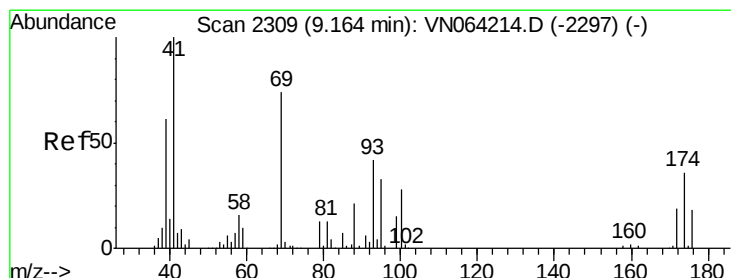
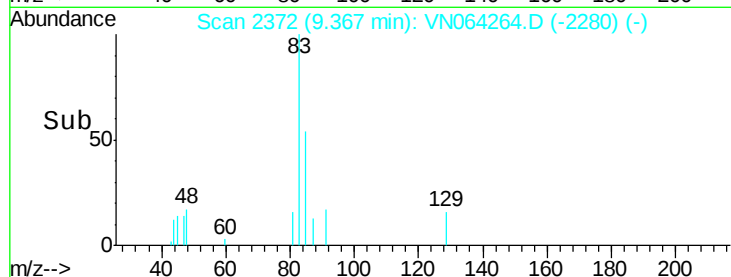
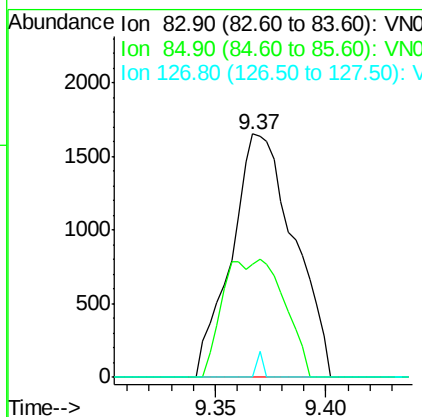
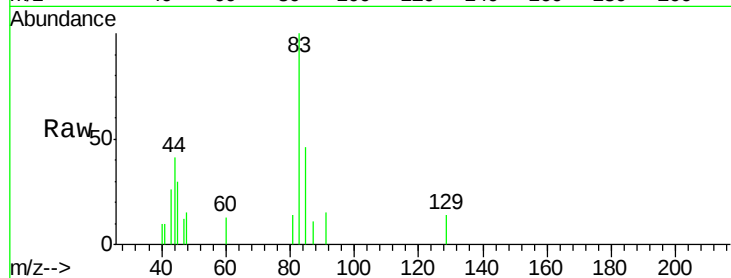
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	83	Resp:	3251
Ion Ratio	Lower	Upper	
83	100		
85	46.3	51.8	77.8#
127	0.0	7.4	11.0#

Manual Integrations
APPROVED

MMDadoda
10/23/2020 3:37:41 PM



#48

Methyl methacrylate

Concen: 0.681 ug/l

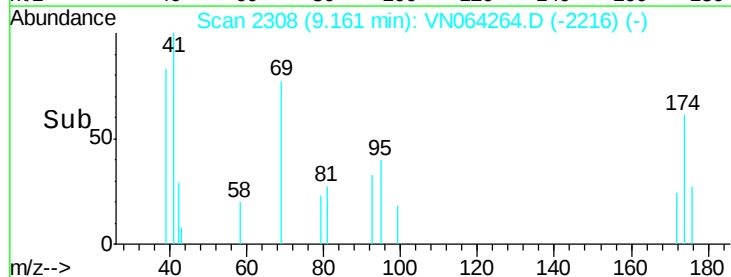
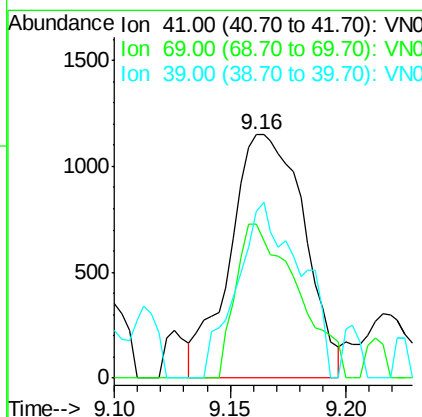
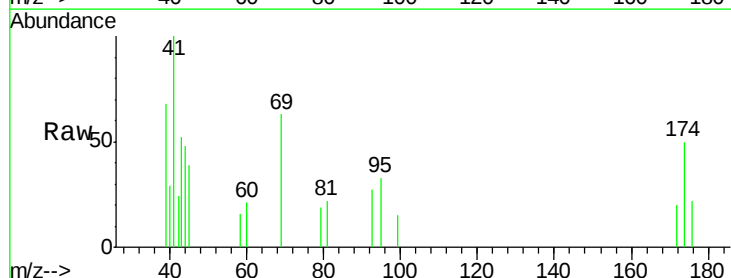
RT: 9.16 min Scan# 2308

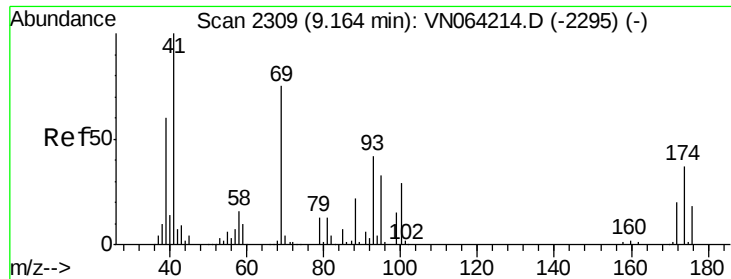
Delta R.T. -0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Tgt Ion:	41	Resp:	2554
Ion Ratio	Lower	Upper	
41	100		
69	52.7	57.3	85.9#
39	61.9	48.6	73.0





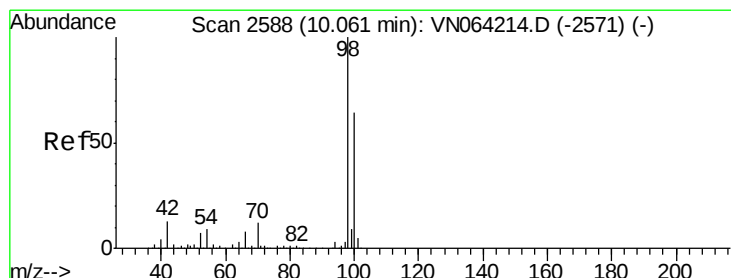
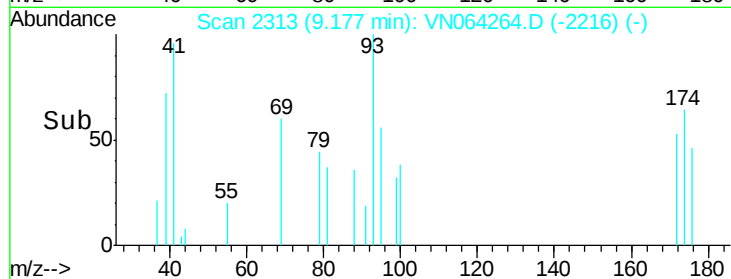
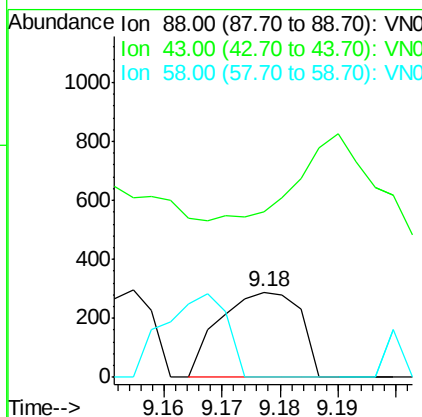
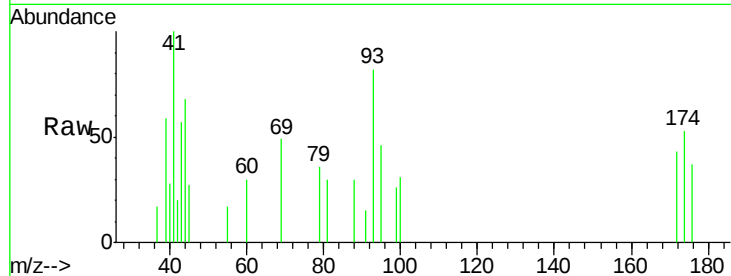
#49
 1,4-Dioxane
 Concen: 6.312 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.01 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	34.6	52.0#
58	76.5	59.0	88.6

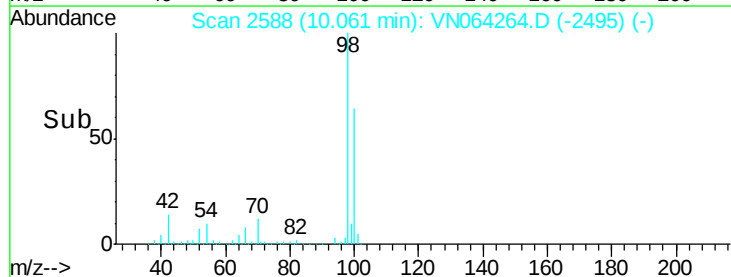
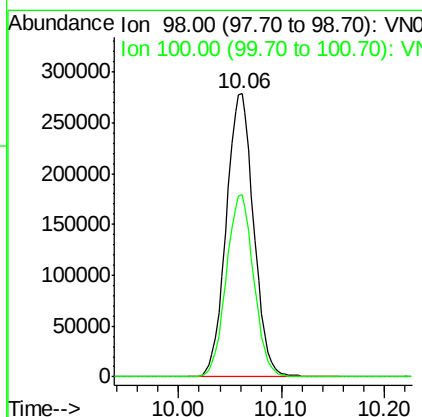
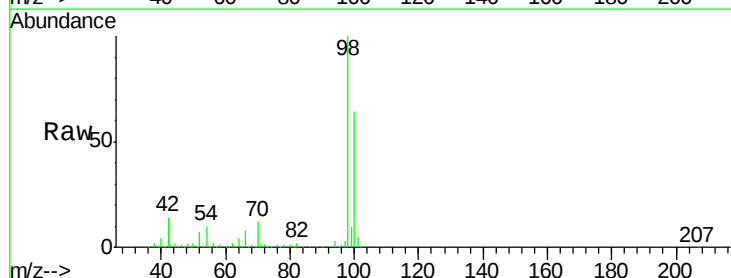
Manual Integrations
 APPROVED

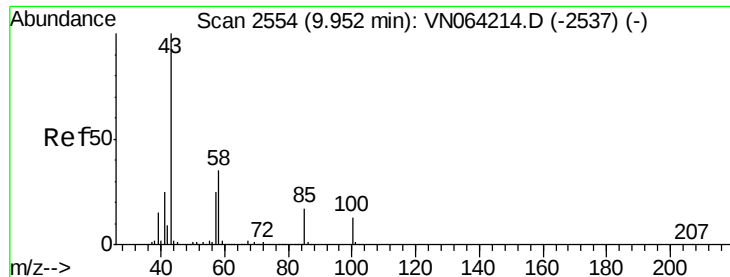
MMDadoda
 10/23/2020 3:37:41 PM



#50
 Toluene-d8
 Concen: 50.433 ug/l
 RT: 10.06 min Scan# 2588
 Delta R.T. 0.00 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	50.8	76.2





#51

4-Methyl-2-Pentanone

Concen: 3.094 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 11874

Ion Ratio Lower Upper

43 100

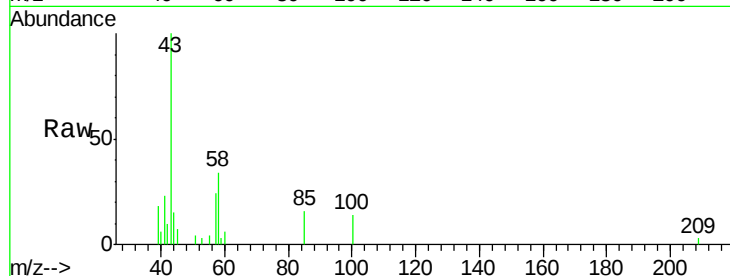
58 36.4 28.6 42.8

Manual Integrations

APPROVED

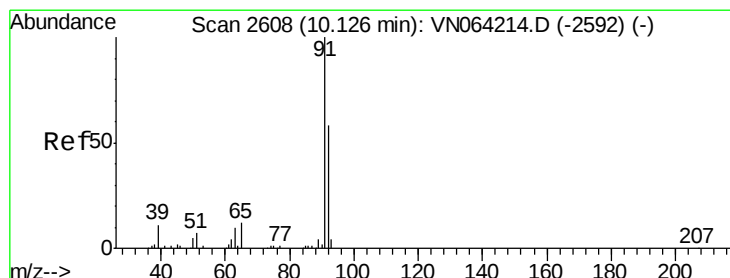
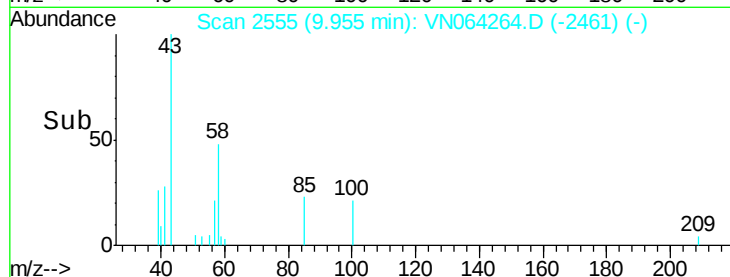
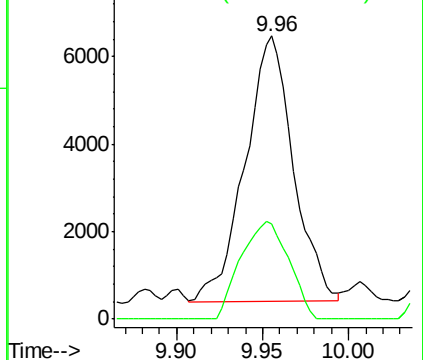
MMDadoda

10/23/2020 3:37:41 PM



Abundance Ion 43.00 (42.70 to 43.70): VN064214.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN064214.D (-2537) (-)



#52

Toluene

Concen: 0.602 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064264.D

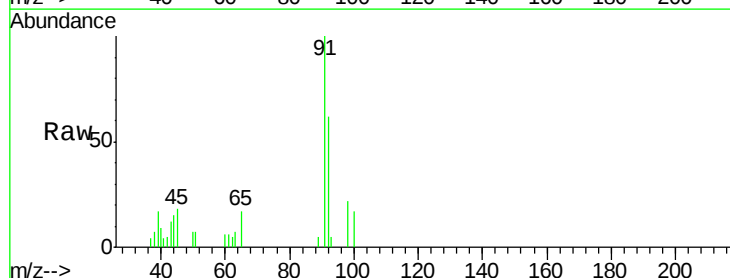
Acq: 22 Oct 2020 20:51

Tgt Ion: 92 Resp: 4515

Ion Ratio Lower Upper

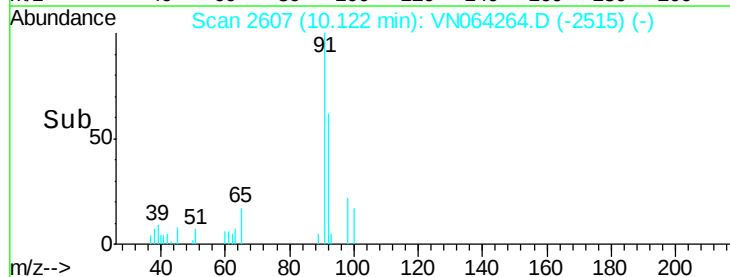
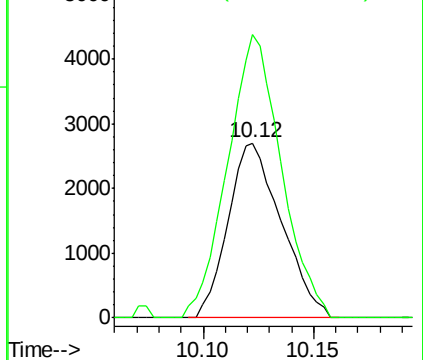
92 100

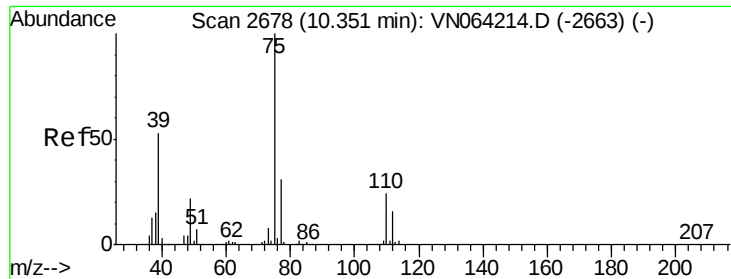
91 163.8 137.4 206.2



Abundance Ion 92.00 (91.70 to 92.70): VN064214.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN064214.D (-2592) (-)





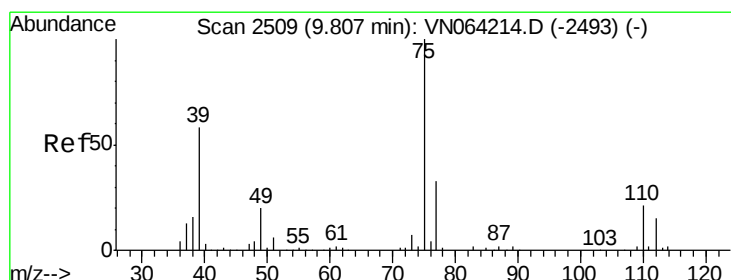
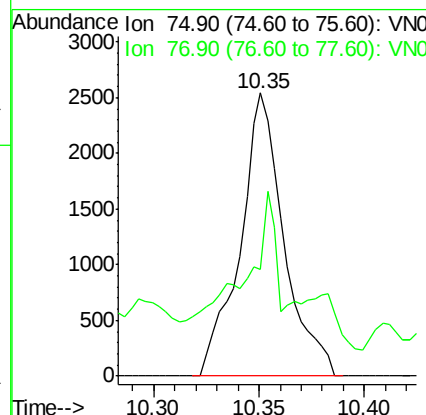
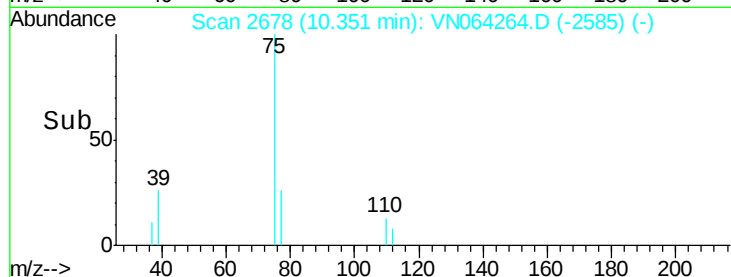
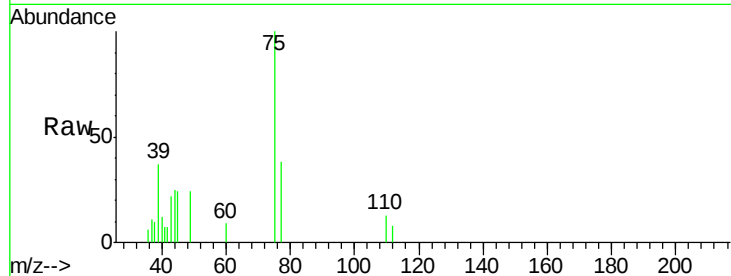
#53
t-1,3-Dichloropropene
Concen: 0.711 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 75 Resp: 3665
Ion Ratio Lower Upper
75 100
77 23.0 25.4 38.2#

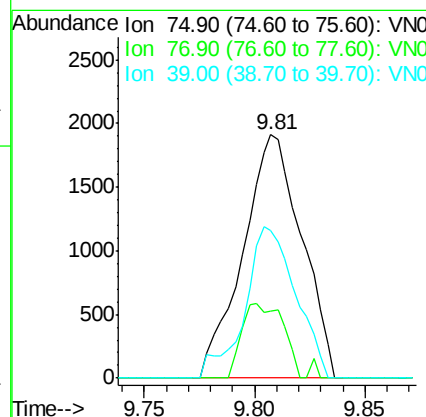
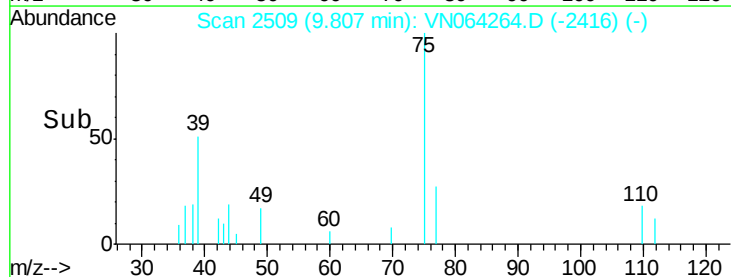
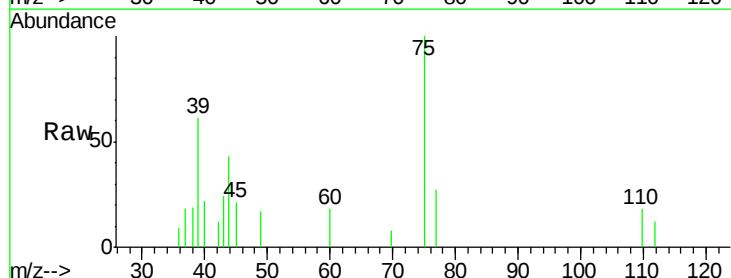
Manual Integrations
APPROVED

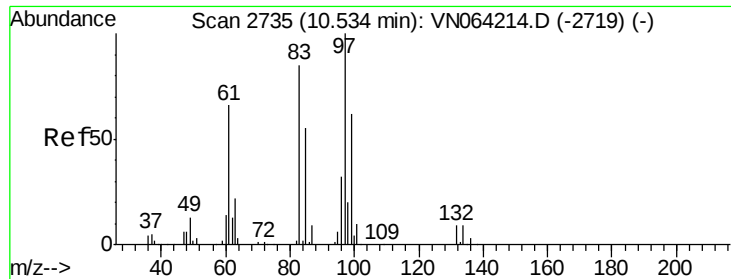
MMDadoda
10/23/2020 3:37:41 PM



#54
cis-1,3-Dichloropropene
Concen: 0.650 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Tgt Ion: 75 Resp: 3526
Ion Ratio Lower Upper
75 100
77 27.5 26.6 39.8
39 60.6 46.7 70.1





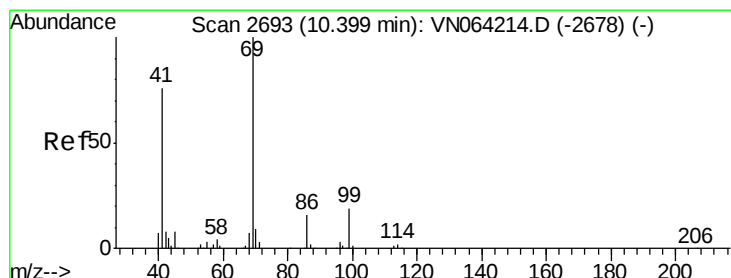
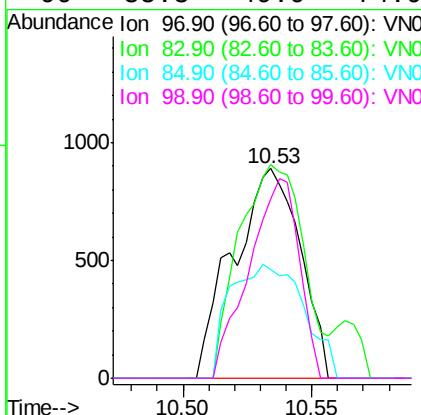
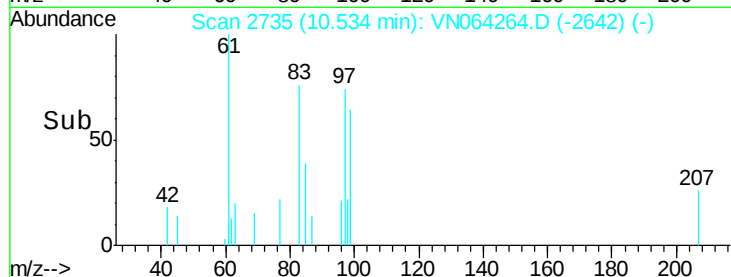
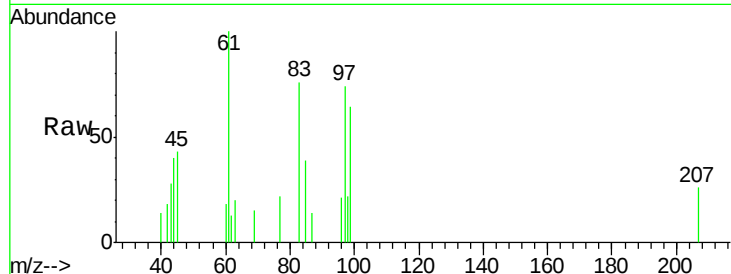
#55
 1,1,2-Trichloroethane
 Concen: 0.568 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
97	100		
83	102.0	67.8	101.6#
85	52.1	43.6	65.4
99	85.8	49.9	74.9#

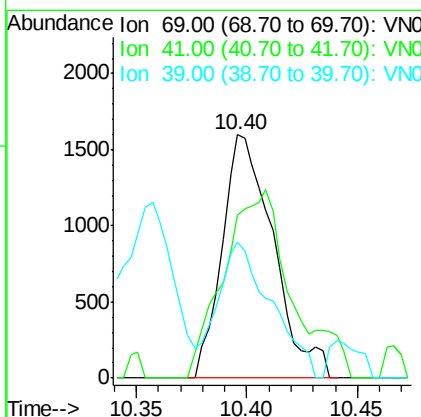
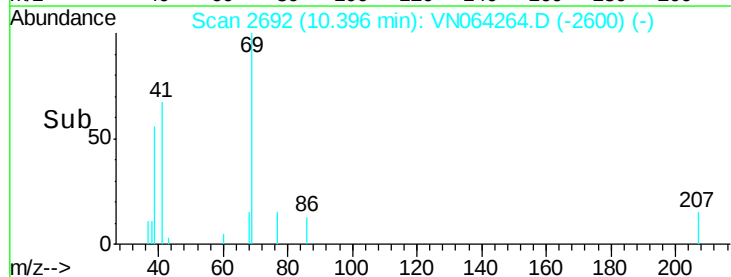
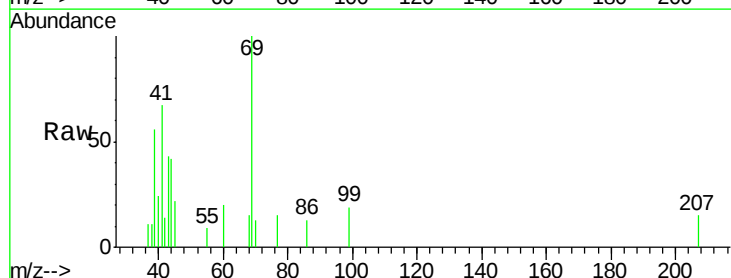
Manual Integrations
 APPROVED

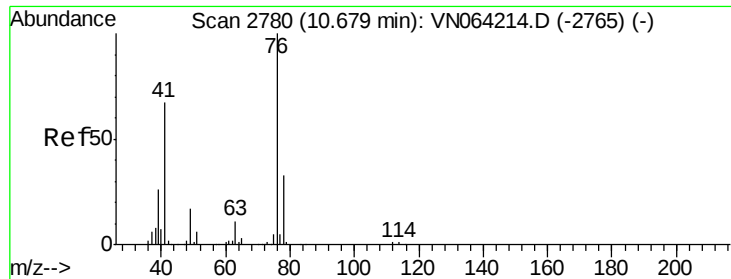
MMDadoda
 10/23/2020 3:37:41 PM



#56
 Ethyl methacrylate
 Concen: 0.587 ug/l
 RT: 10.40 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

Tgt Ion	Ratio	Lower	Upper
69	100		
41	94.4	61.4	92.2#
39	58.8	36.0	54.0#





#57

1,3-Dichloropropane

Concen: 0.554 ug/l

RT: 10.68 min Scan# 2781

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 76 Resp: 2723

Ion Ratio Lower Upper

76 100

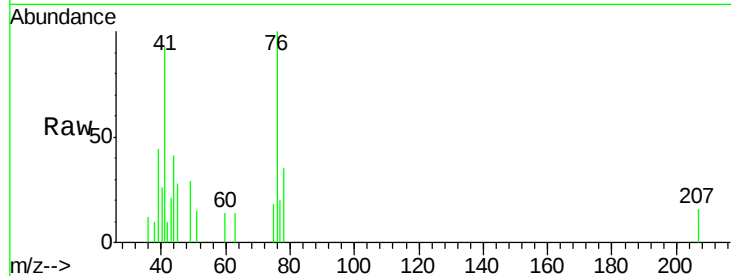
78 45.7 26.2 39.2#

Manual Integrations

APPROVED

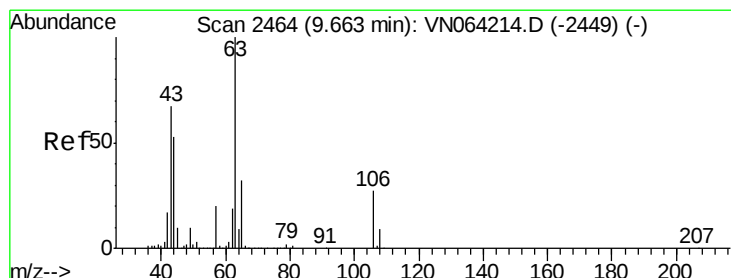
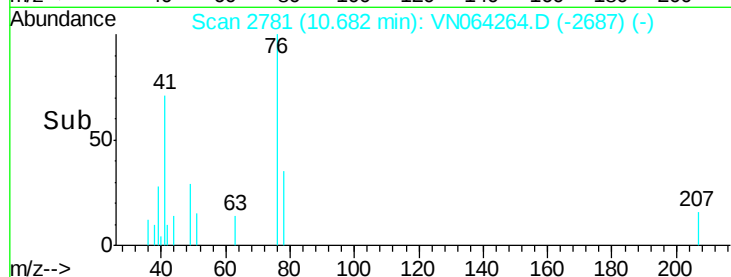
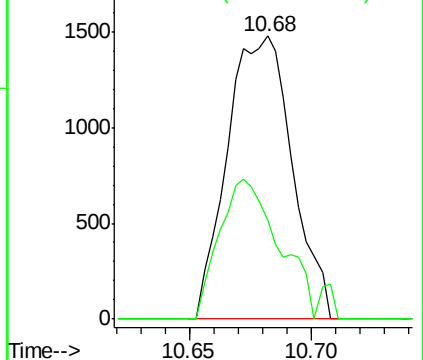
MMDadoda

10/23/2020 3:37:41 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 2.912 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064264.D

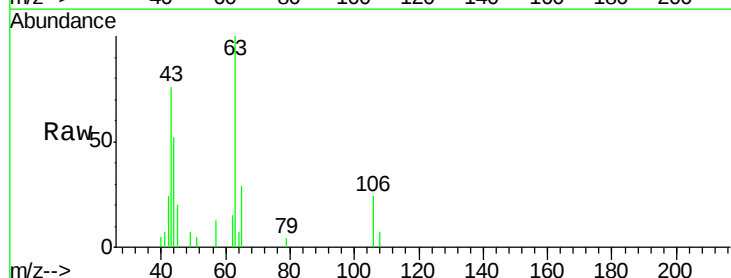
Acq: 22 Oct 2020 20:51

Tgt Ion: 63 Resp: 6564

Ion Ratio Lower Upper

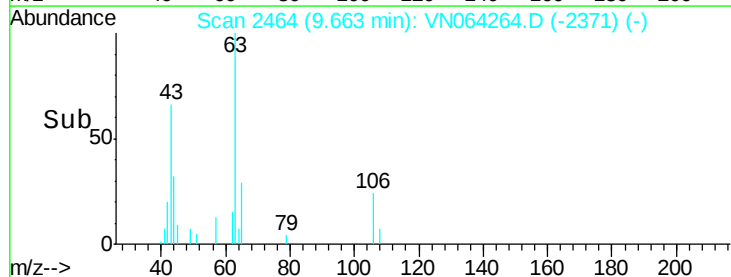
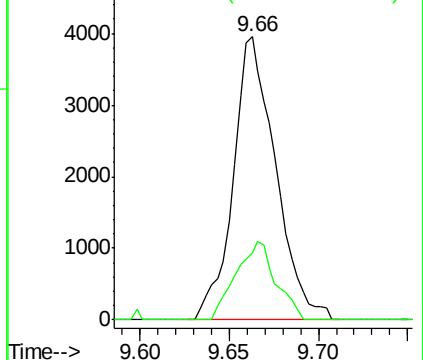
63 100

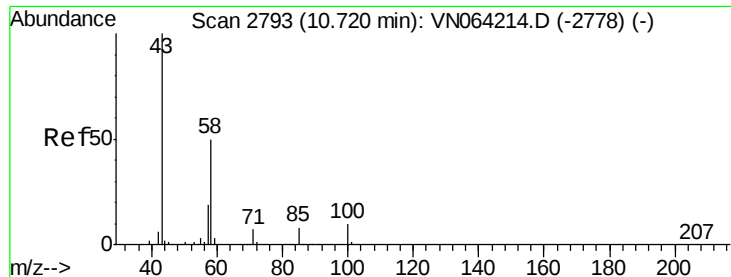
106 25.9 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





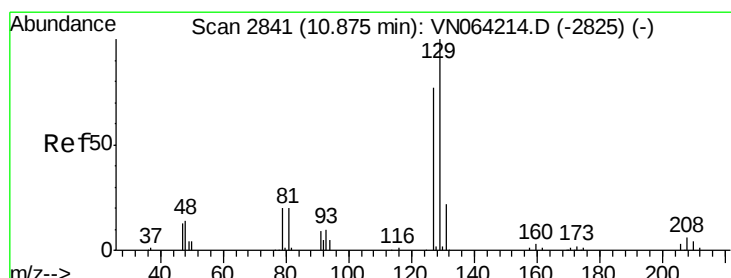
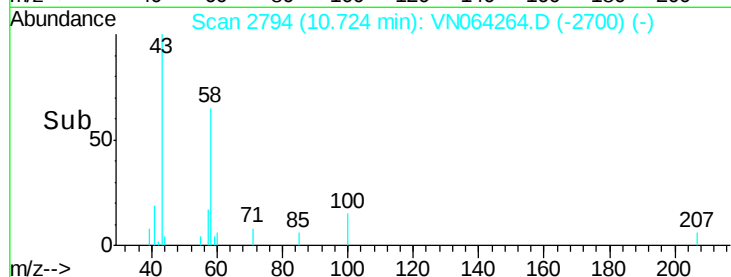
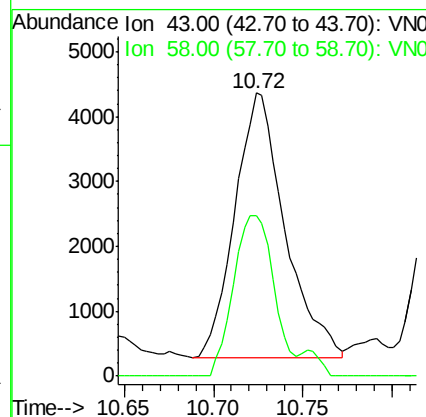
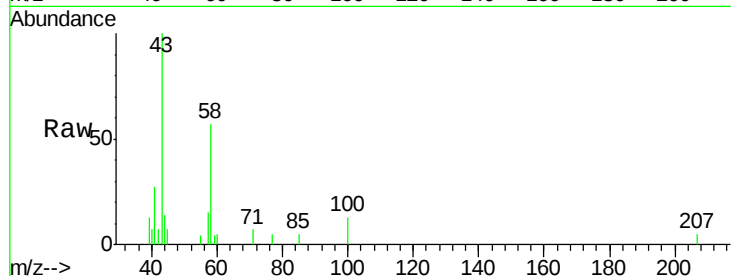
#59
2-Hexanone
Concen: 2.868 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.7	24.8	74.3

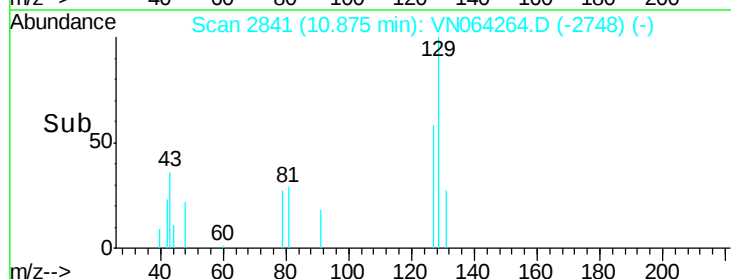
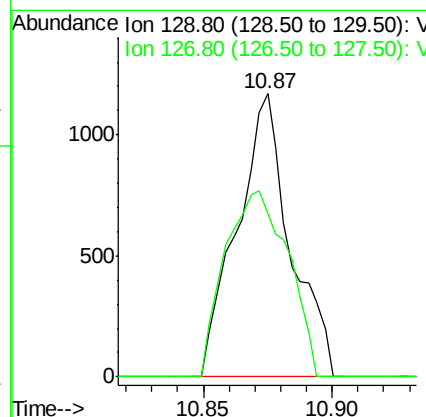
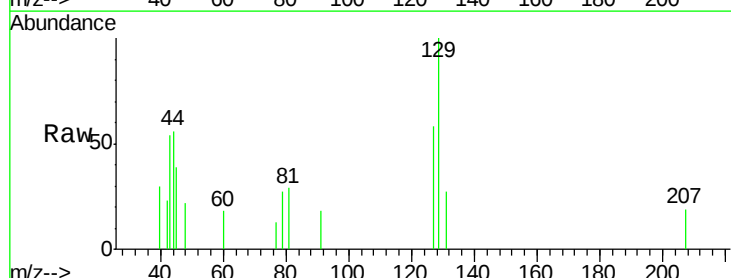
Manual Integrations
APPROVED

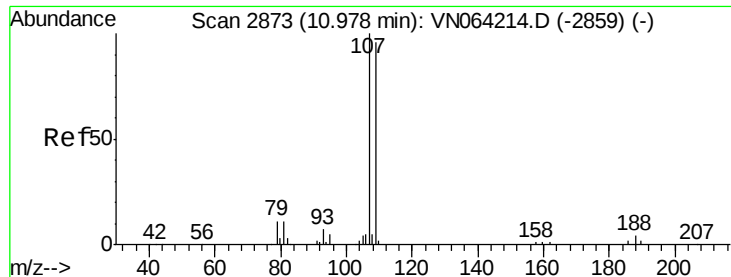
MMDadoda
10/23/2020 3:37:41 PM



#60
Dibromochloromethane
Concen: 0.461 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.8	116.3





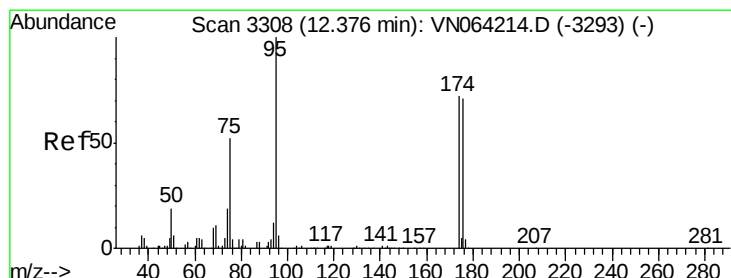
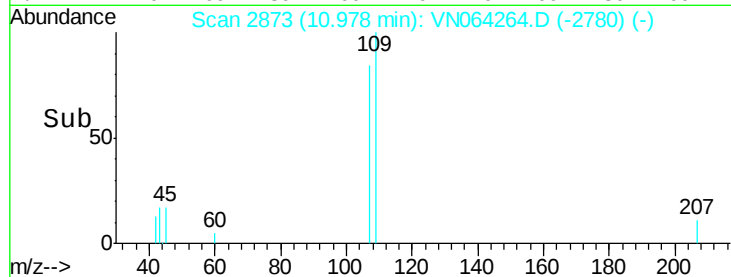
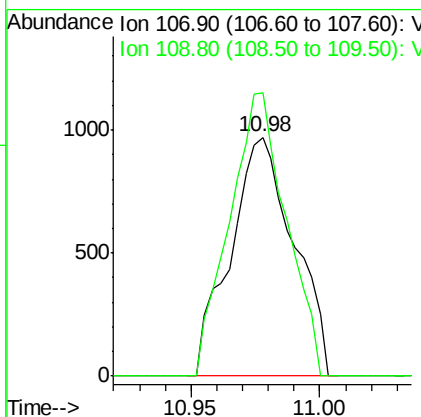
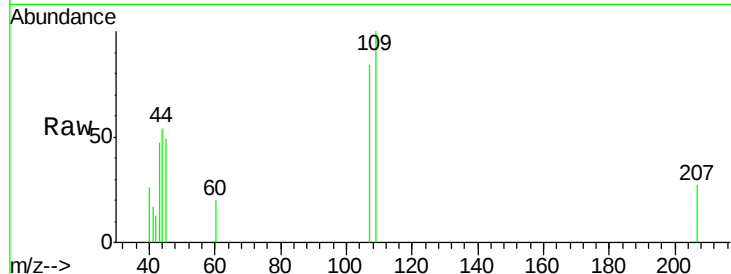
#61
1,2-Dibromoethane
Concen: 0.557 ug/l
RT: 10.98 min Scan# 2873
Delta R.T. 0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
107	100		
109	106.1	76.2	114.4

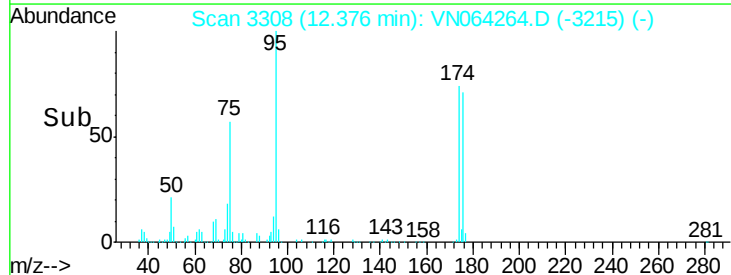
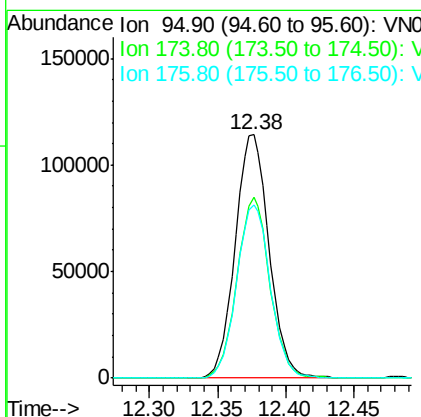
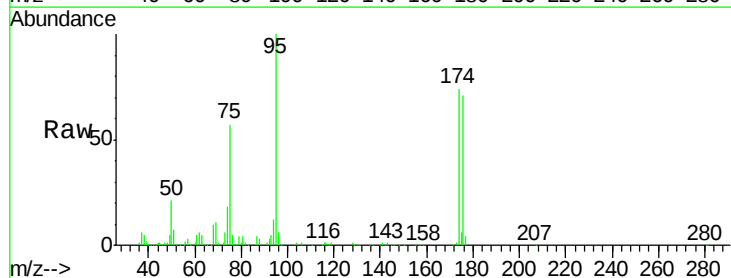
Manual Integrations
APPROVED

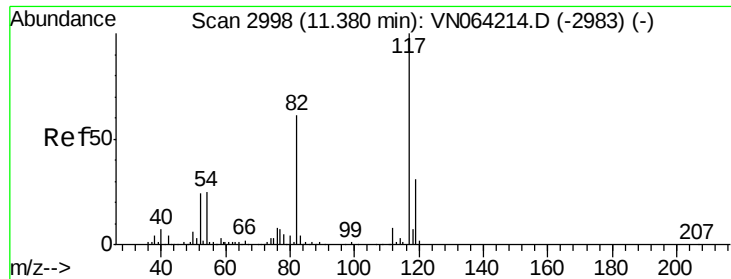
MMDadoda
10/23/2020 3:37:41 PM



#62
4-Bromofluorobenzene
Concen: 47.420 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	144.4
176	70.5	0.0	139.2





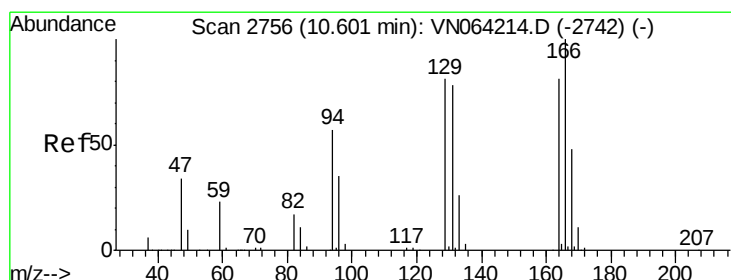
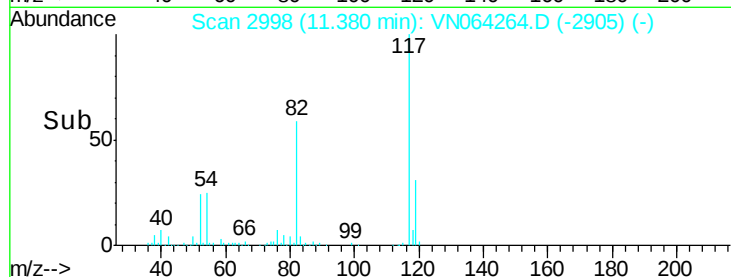
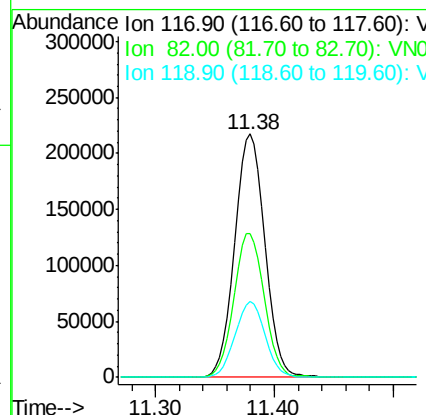
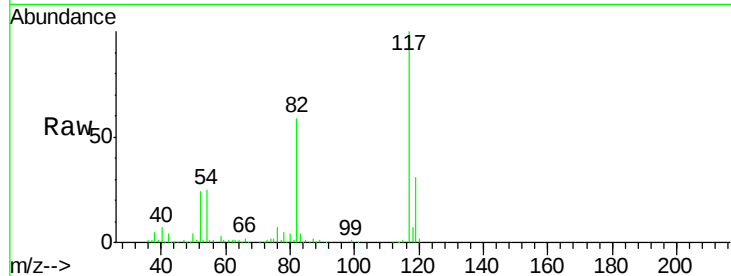
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	382820		
82	59.3		48.8	73.2
119	31.1		24.7	37.1

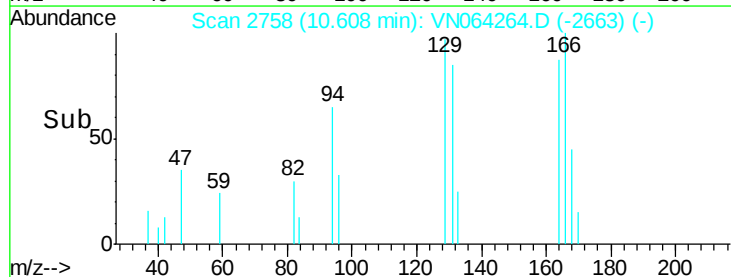
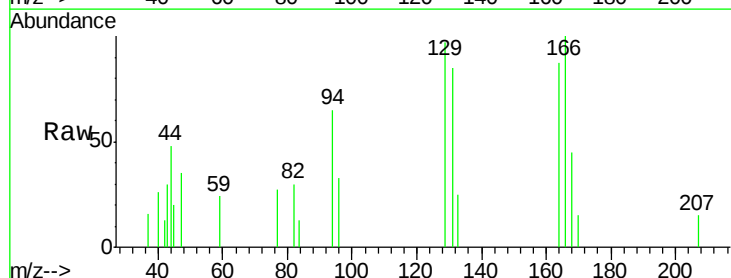
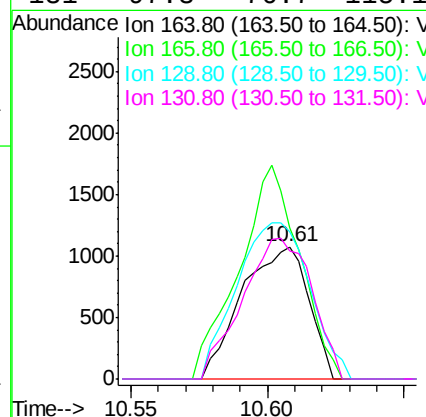
Manual Integrations
APPROVED

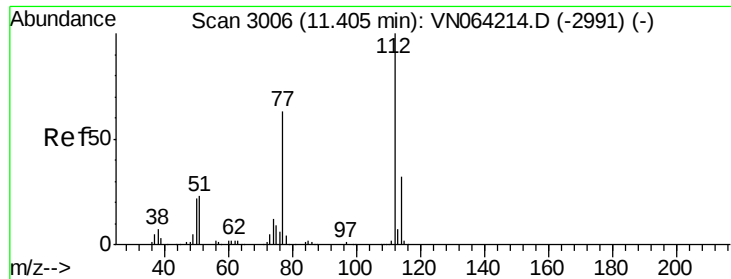
MMDadoda
10/23/2020 3:37:41 PM



#64
Tetrachloroethene
Concen: 0.594 ug/l
RT: 10.61 min Scan# 2758
Delta R.T. 0.01 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	1830		
166	114.8		98.9	148.3
129	111.6		79.9	119.9
131	97.3		76.7	115.1





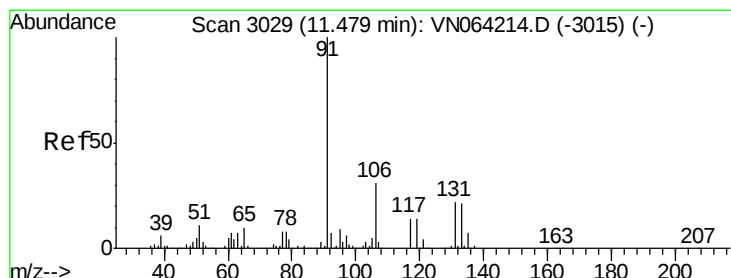
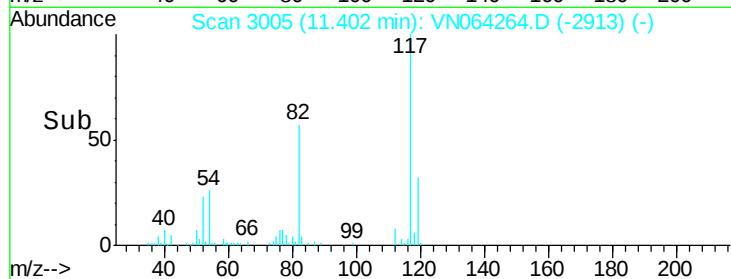
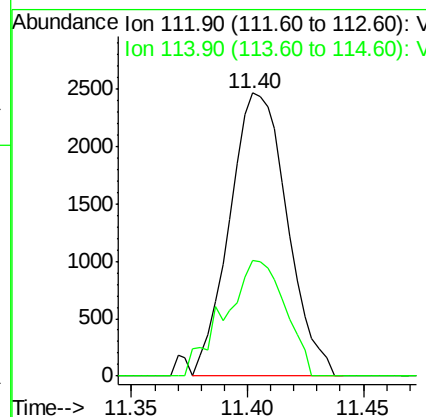
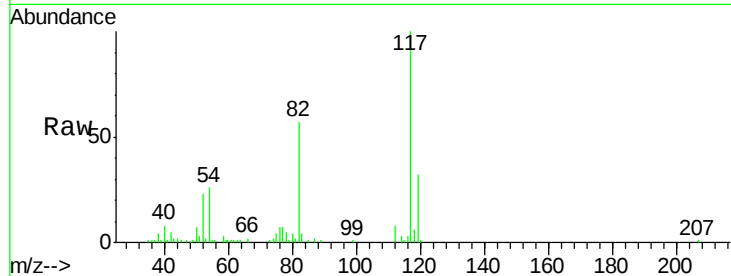
#65
Chlorobenzene
Concen: 0.537 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion:112 Resp: 4255
Ion Ratio Lower Upper
112 100
114 40.8 25.7 38.5#

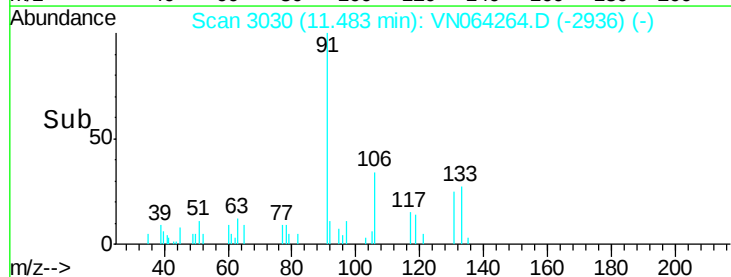
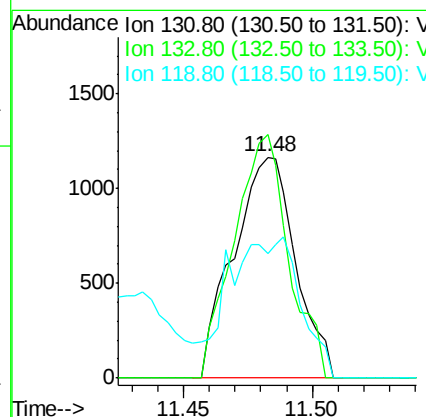
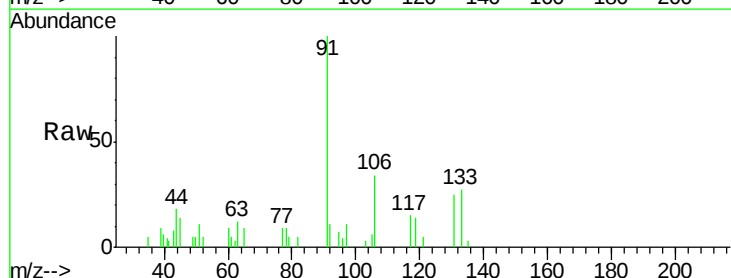
Manual Integrations
APPROVED

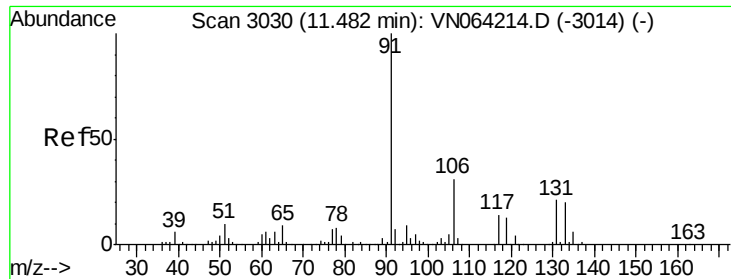
MMDadoda
10/23/2020 3:37:41 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 0.622 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Tgt Ion:131 Resp: 1958
Ion Ratio Lower Upper
131 100
133 97.1 47.8 143.4
119 0.0 32.2 96.6#





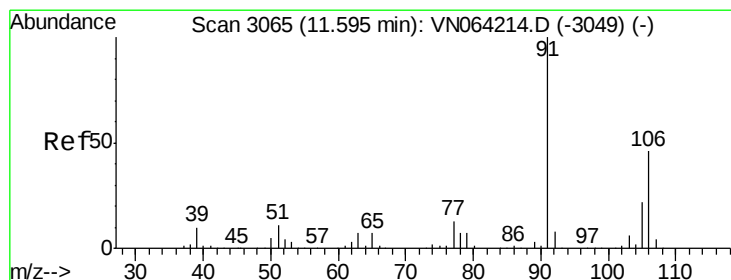
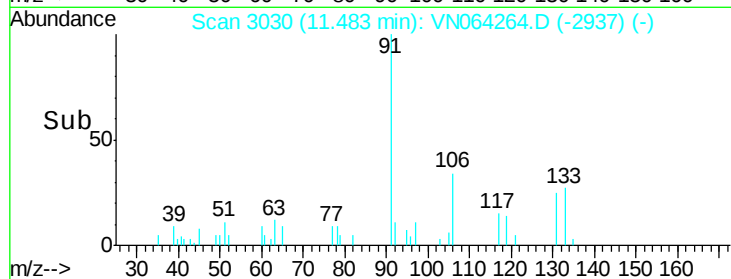
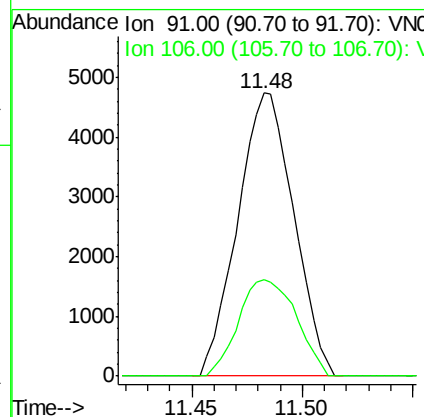
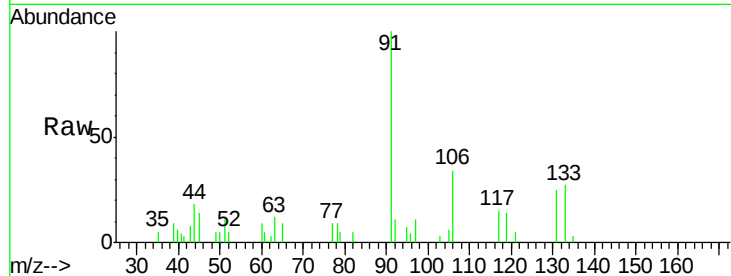
#67
Ethyl Benzene
Concen: 0.574 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 91 Resp: 8360
Ion Ratio Lower Upper
91 100
106 34.0 24.8 37.2

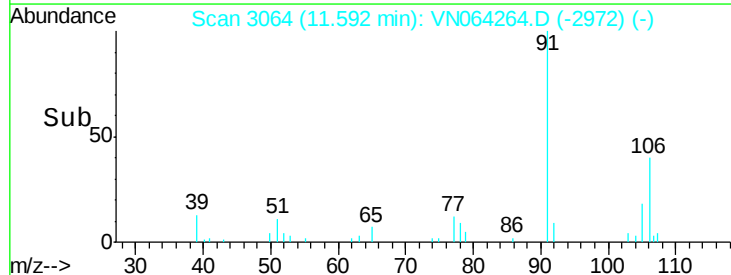
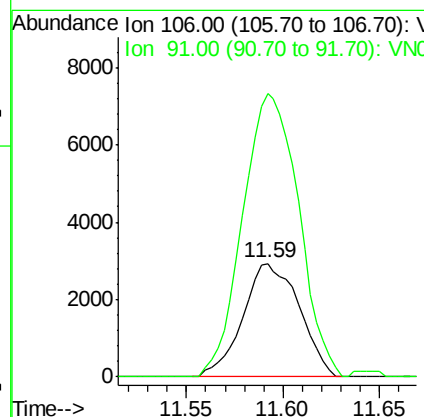
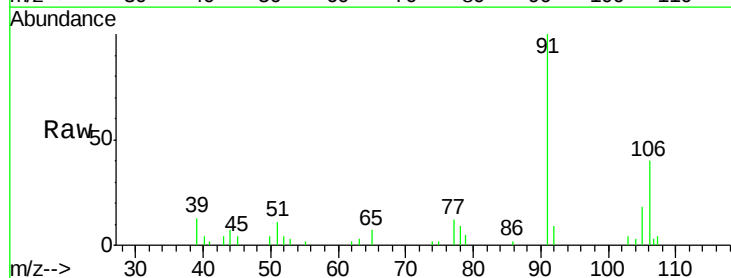
Manual Integrations
APPROVED

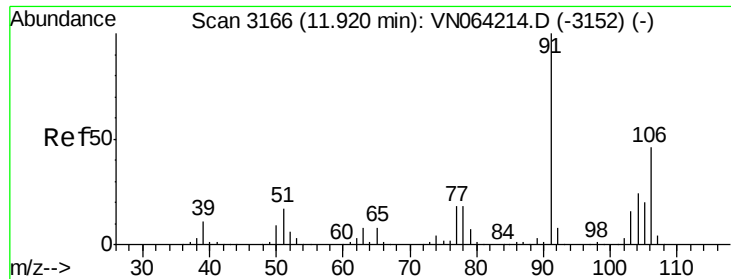
MMDadoda
10/23/2020 3:37:41 PM



#68
m/p-Xylenes
Concen: 1.105 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Tgt Ion: 106 Resp: 5962
Ion Ratio Lower Upper
106 100
91 247.3 172.2 258.2





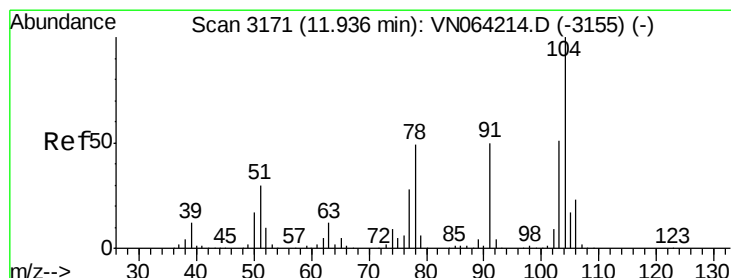
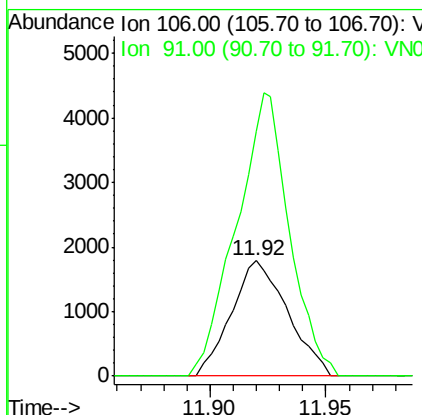
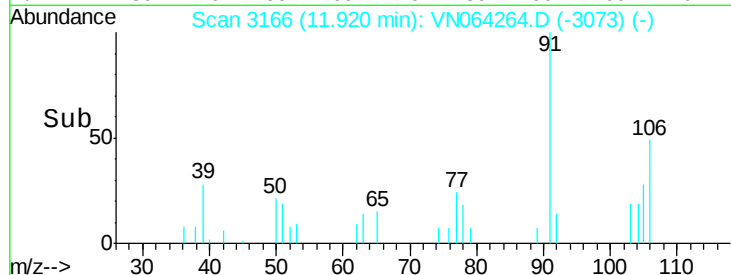
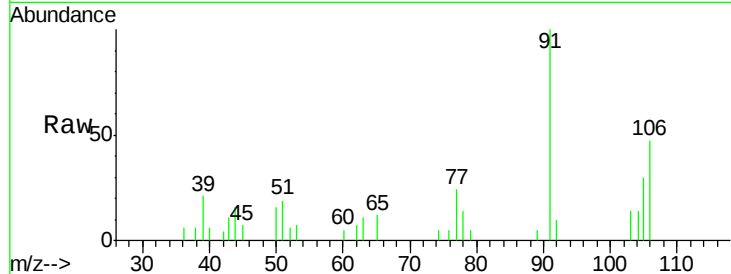
#69
o-Xylene
Concen: 0.575 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion:106 Resp: 3003
Ion Ratio Lower Upper
106 100
91 231.2 109.9 329.6

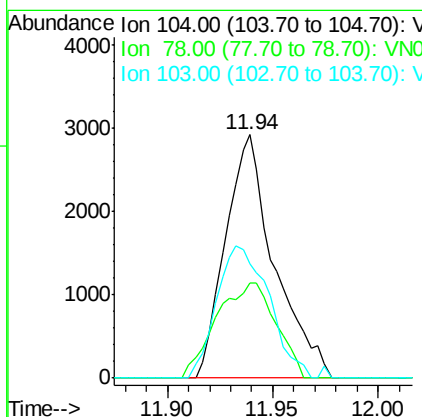
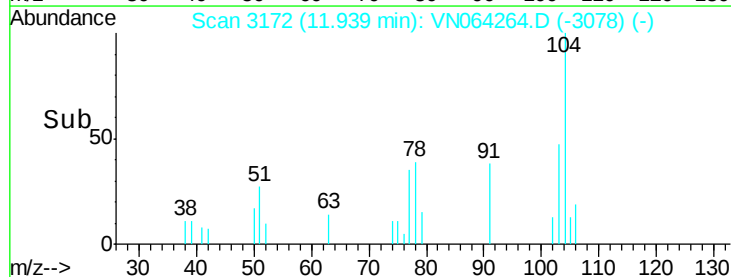
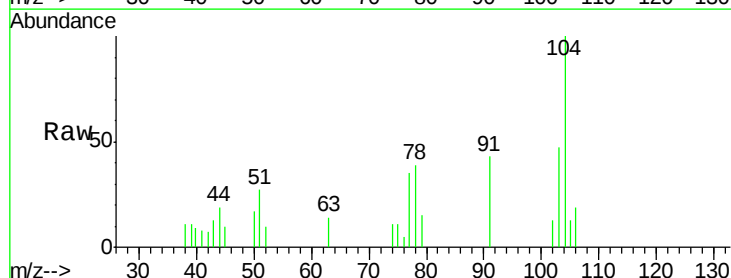
Manual Integrations
APPROVED

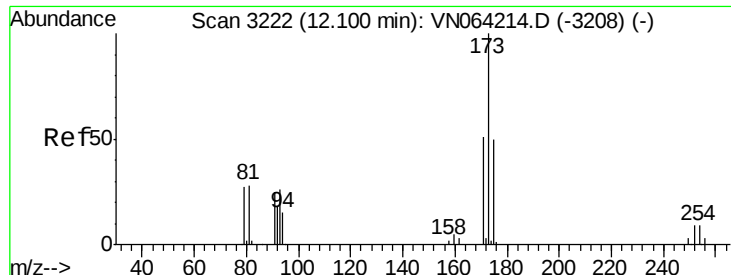
MMDadoda
10/23/2020 3:37:41 PM



#70
Styrene
Concen: 0.537 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Tgt Ion:104 Resp: 4693
Ion Ratio Lower Upper
104 100
78 47.7 43.8 65.6
103 58.2 43.4 65.2





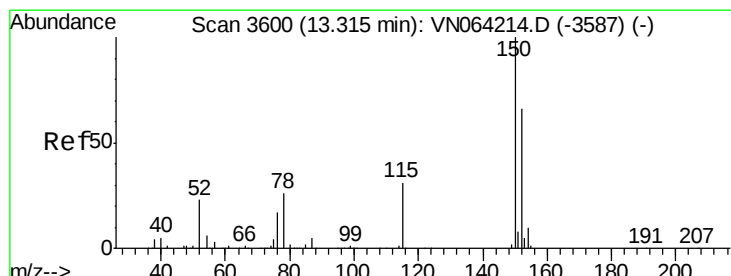
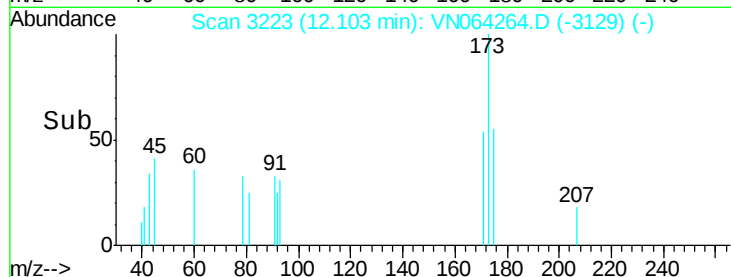
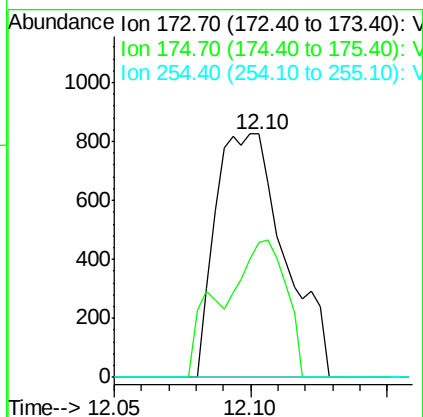
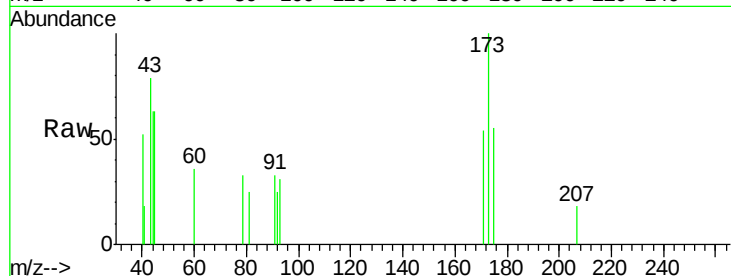
#71
Bromoform
Concen: 0.598 ug/l
RT: 12.10 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
173	100		
175	38.2	25.1	75.3
254	0.0	0.0	0.0

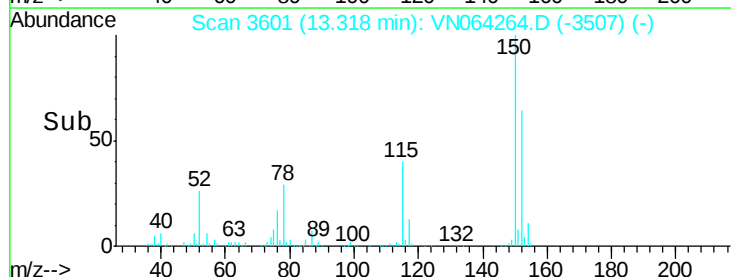
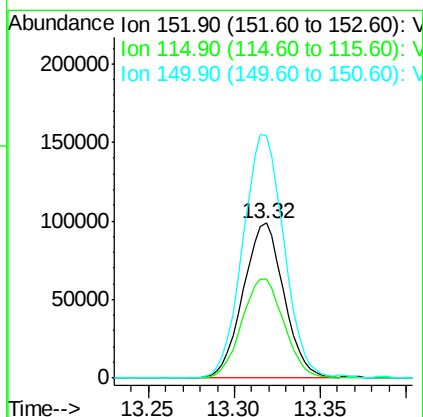
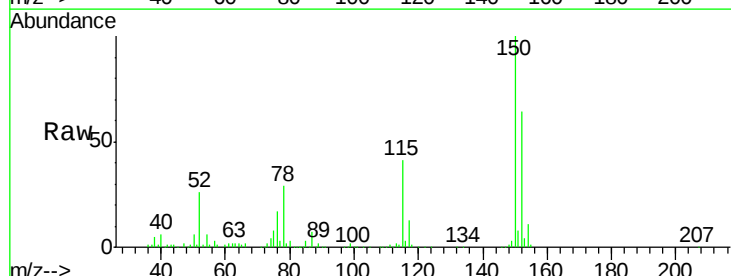
Manual Integrations
APPROVED

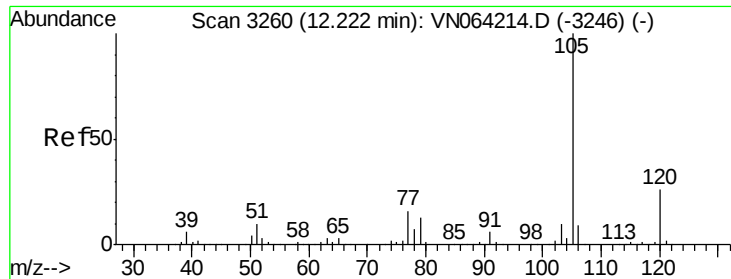
MMDadoda
10/23/2020 3:37:41 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.3	32.0	96.2
150	159.2	0.0	356.6





#73

Isopropylbenzene

Concen: 0.585 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 105 Resp: 7240

Ion Ratio Lower Upper

105 100

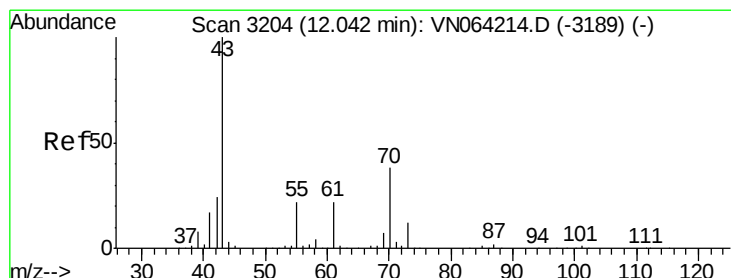
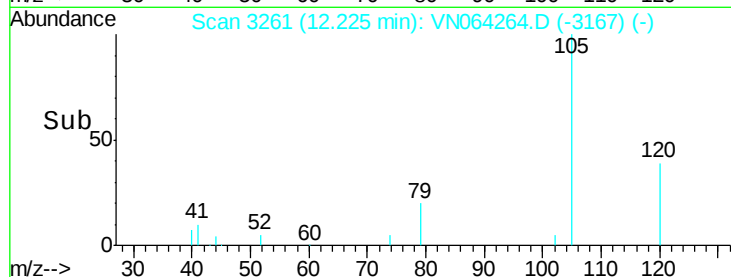
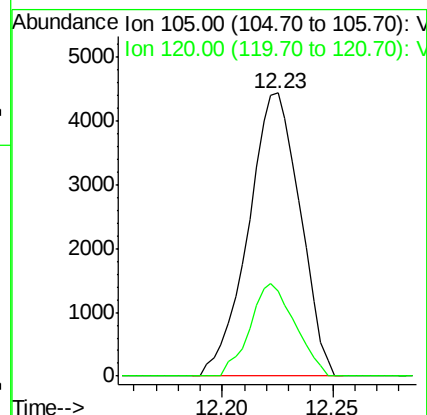
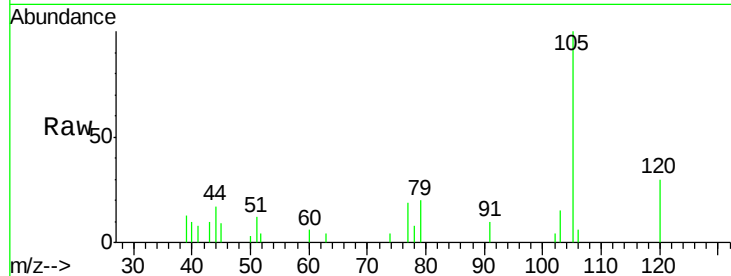
120 28.4 12.9 38.7

Manual Integrations

APPROVED

MMDadoda

10/23/2020 3:37:41 PM



#74

N-ethyl acetate

Concen: 0.668 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Tgt Ion: 43 Resp: 3571

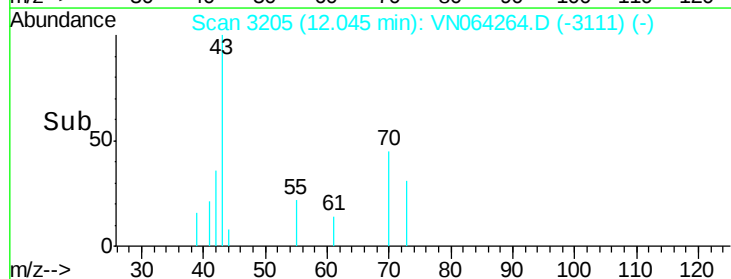
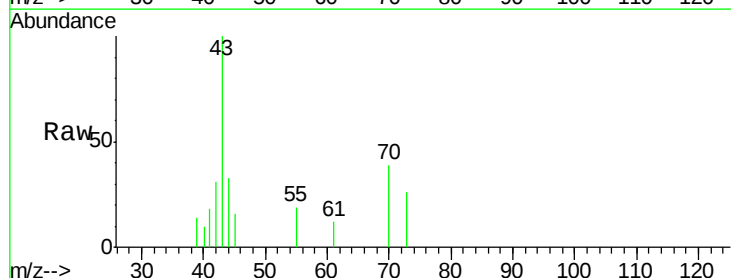
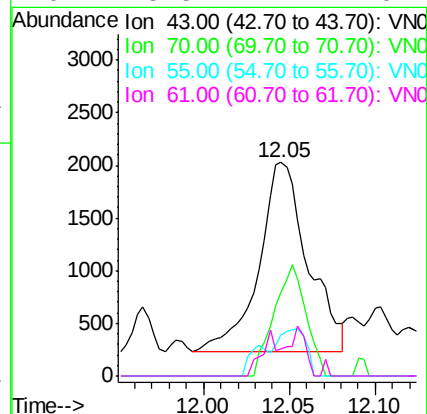
Ion Ratio Lower Upper

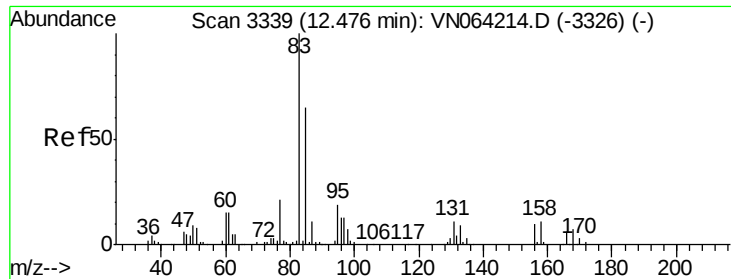
43 100

70 37.9 30.2 45.4

55 14.1 18.0 27.0#

61 8.5 17.4 26.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.715 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

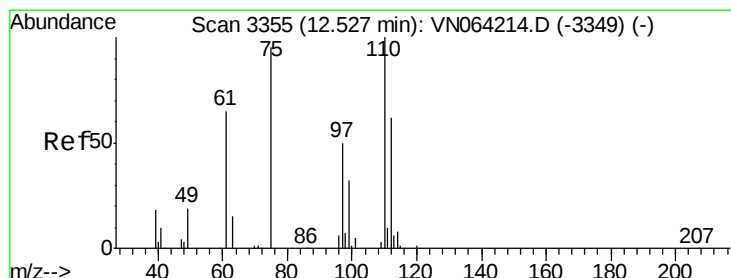
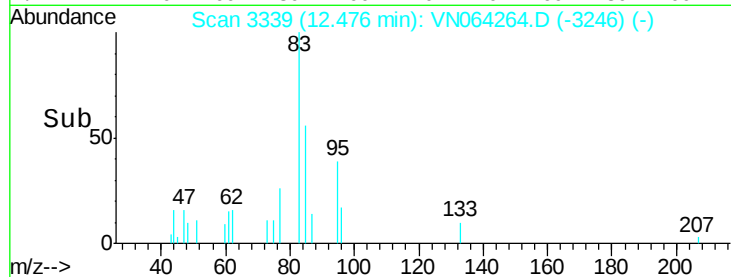
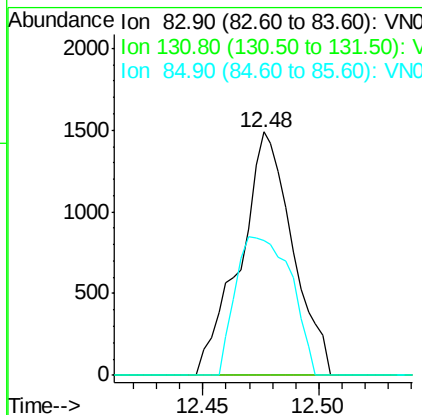
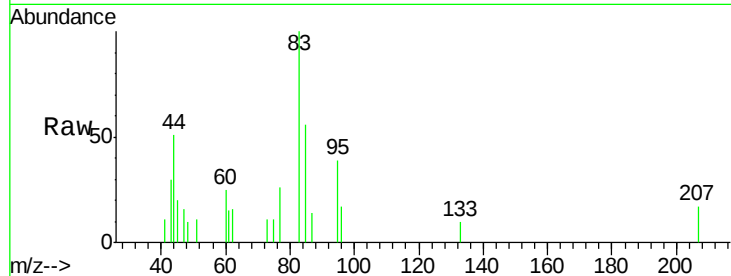
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion	83	Resp	2347
Ion Ratio	100	Lower	Upper
83	100		
131	0.0	5.5	16.7#
85	59.7	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
10/23/2020 3:37:41 PM



#76

1,2,3-Trichloropropane

Concen: 0.792 ug/l m

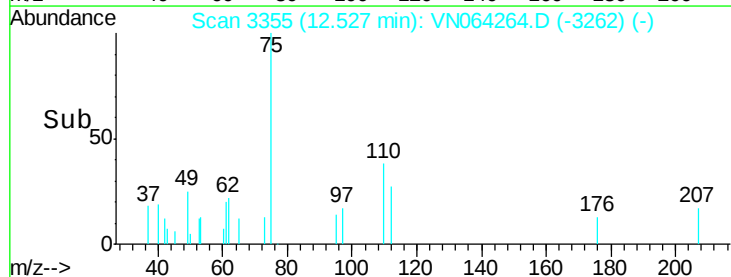
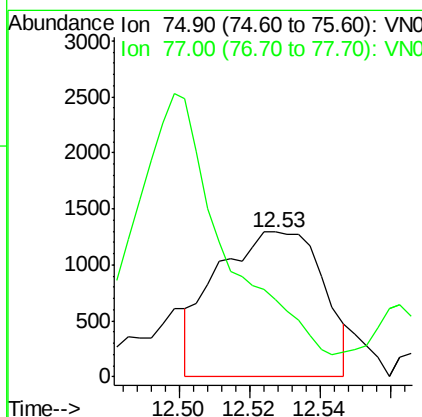
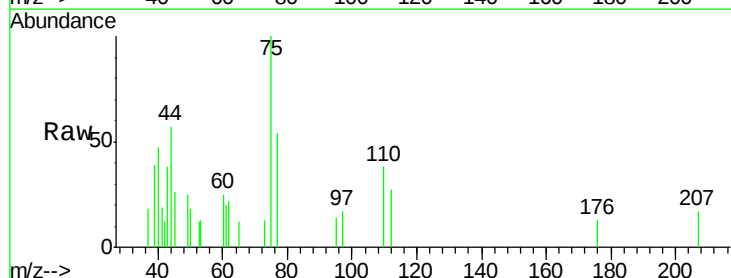
RT: 12.53 min Scan# 3355

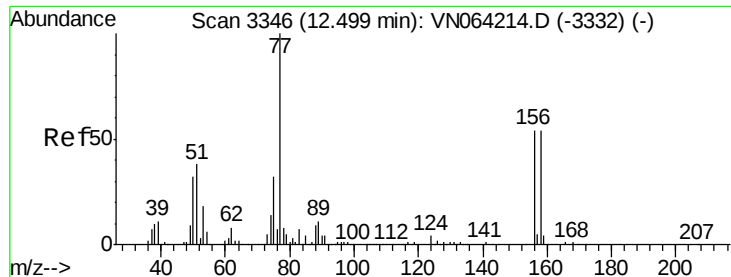
Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Tgt Ion	75	Resp	2708
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 0.667 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

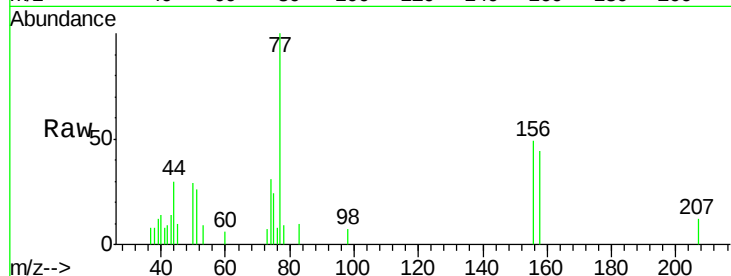
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	247.8	111.1	333.4	
158	111.0	50.0	150.1	

Manual Integrations
APPROVED

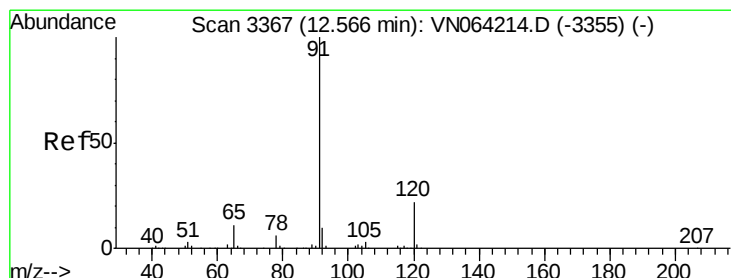
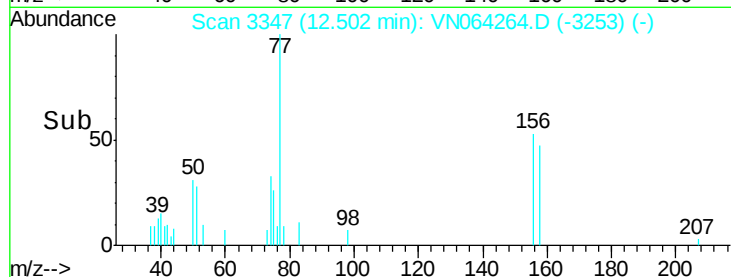
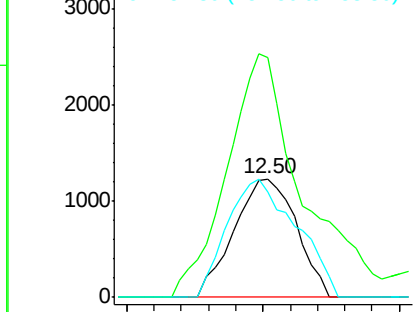
MMDadoda
10/23/2020 3:37:41 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.638 ug/l

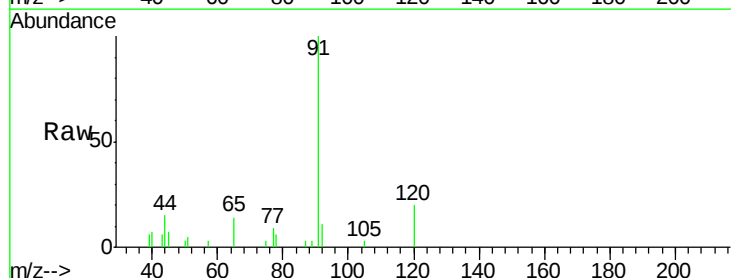
RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064264.D

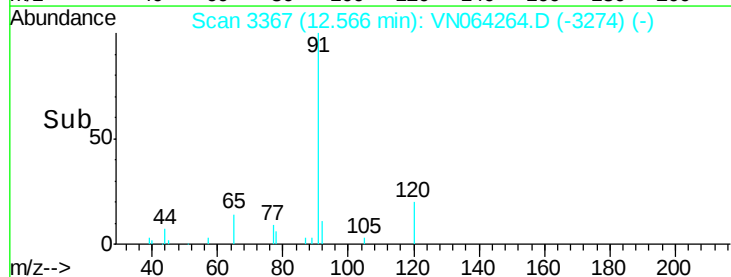
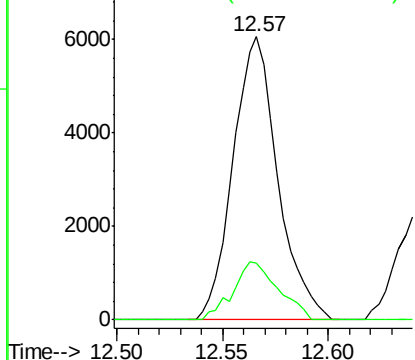
Acq: 22 Oct 2020 20:51

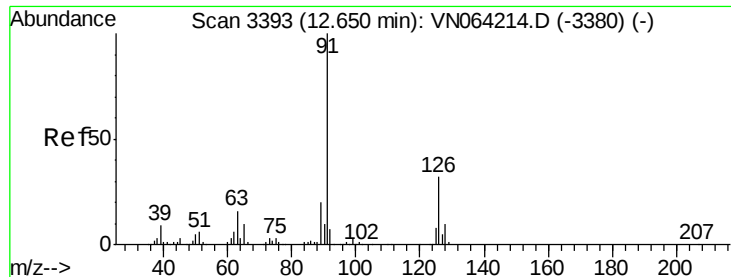
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.8	11.1	33.1	



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.739 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 91 Resp: 6337

Ion Ratio Lower Upper

91 100

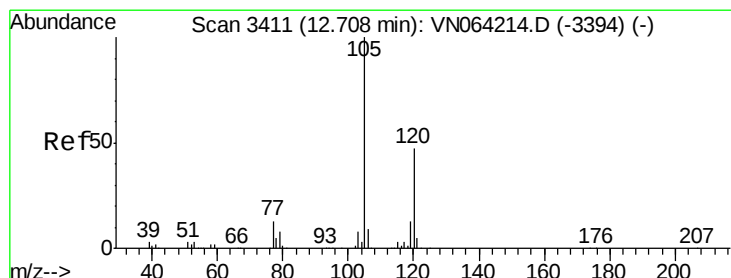
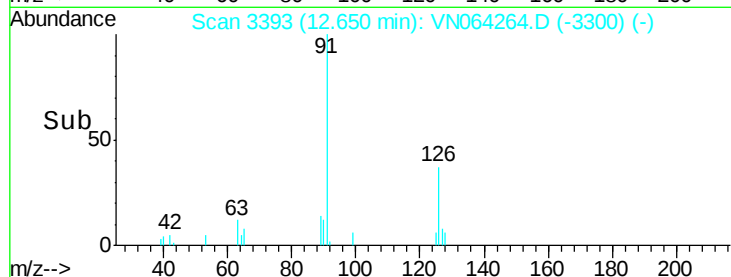
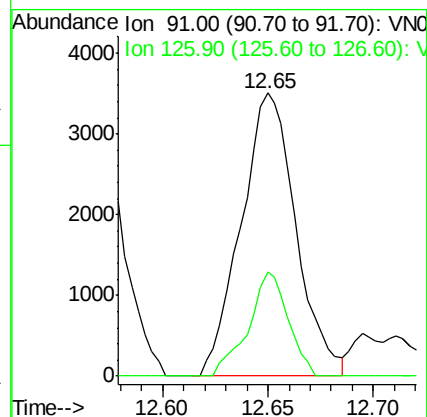
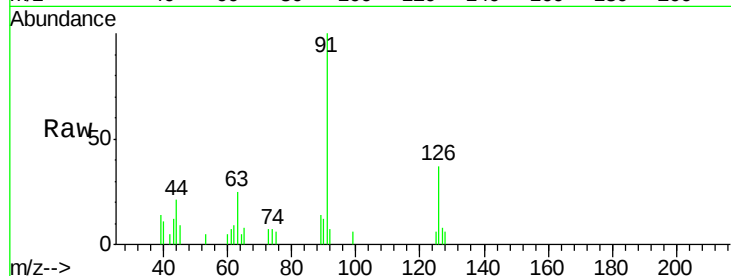
126 26.5 16.0 48.0

Manual Integrations

APPROVED

MMDadoda

10/23/2020 3:37:41 PM



#80

1,3,5-Trimethylbenzene

Concen: 0.647 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064264.D

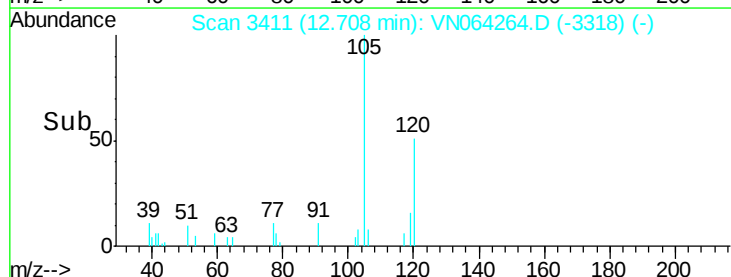
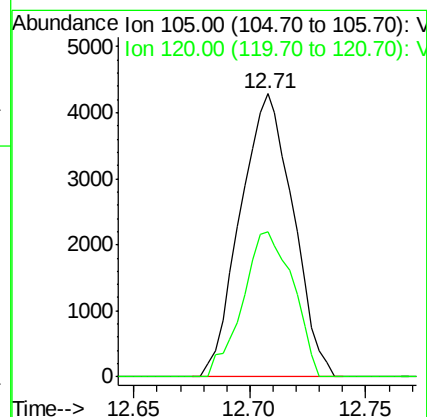
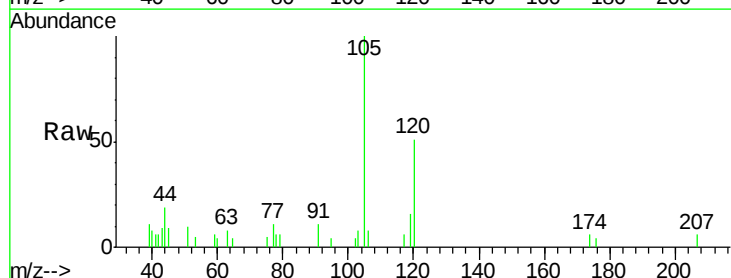
Acq: 22 Oct 2020 20:51

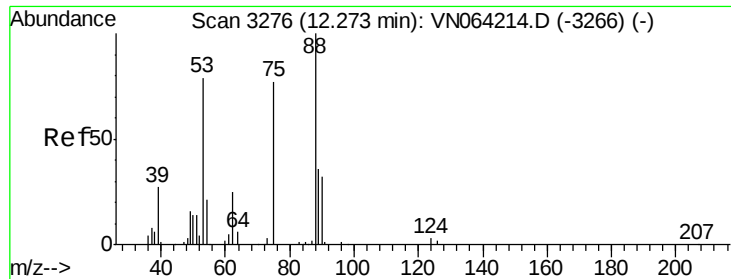
Tgt Ion: 105 Resp: 6766

Ion Ratio Lower Upper

105 100

120 49.0 23.4 70.0





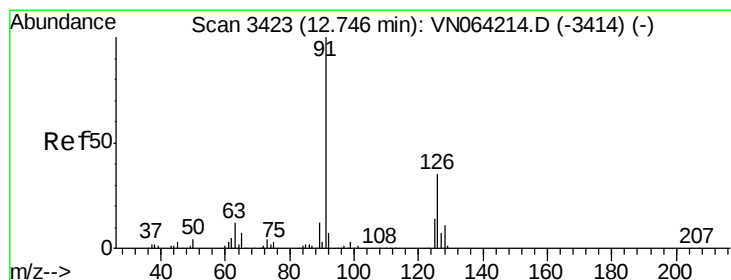
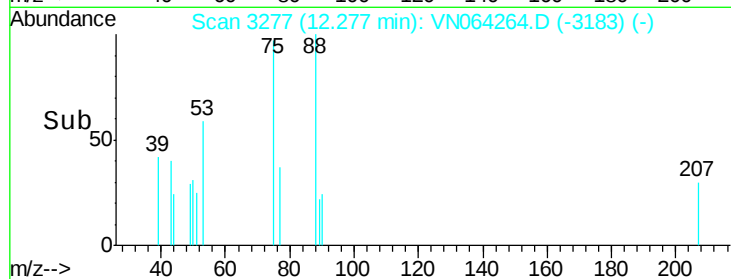
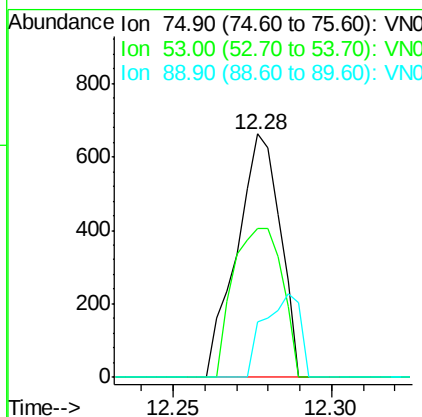
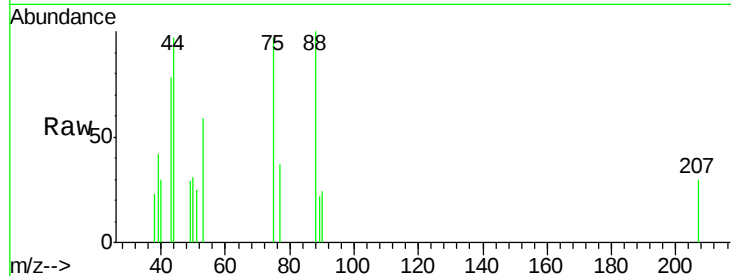
#81
trans-1,4-Dichloro-2-butene
Concen: 0.461 ug/l m
RT: 12.28 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	81.0	121.4#
89	0.0	38.7	58.1#

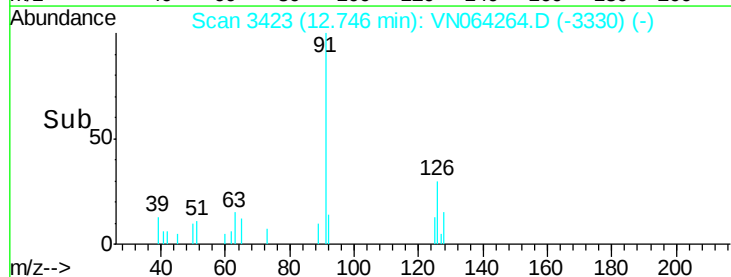
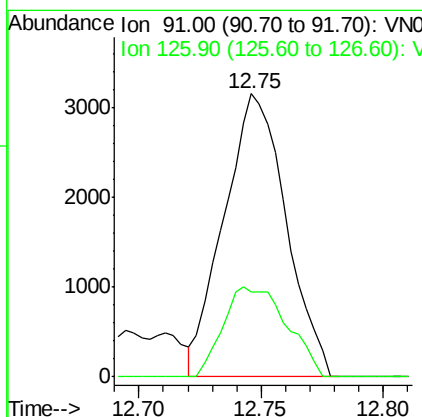
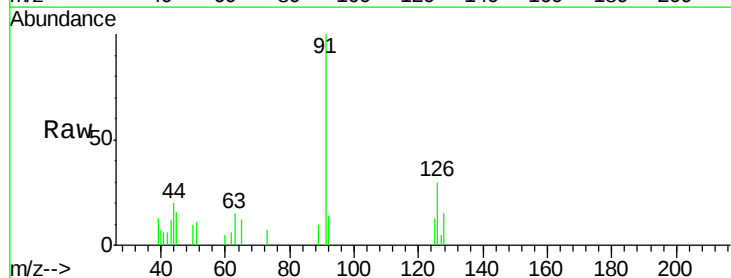
Manual Integrations
APPROVED

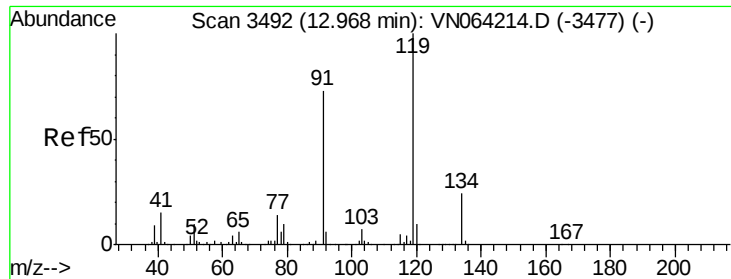
MMDadoda
10/23/2020 3:37:41 PM



#82
4-Chlorotoluene
Concen: 0.623 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.8	47.3





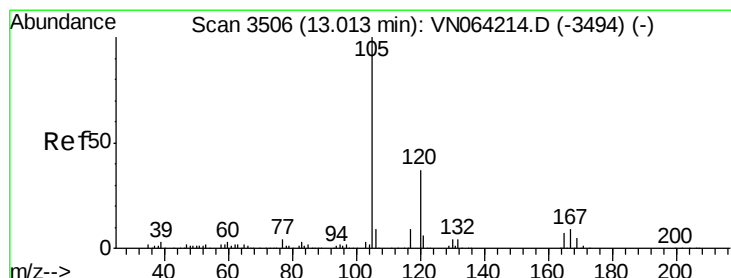
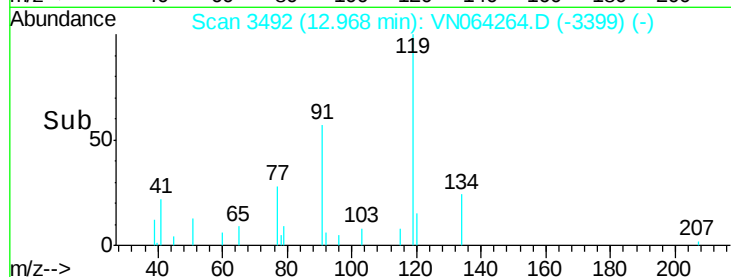
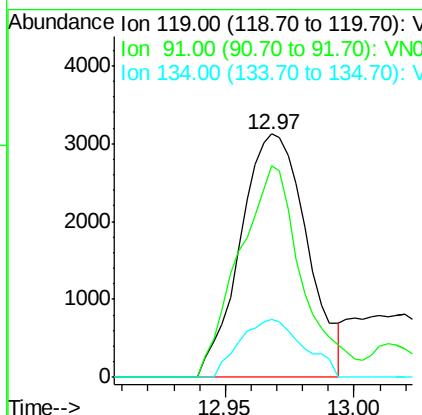
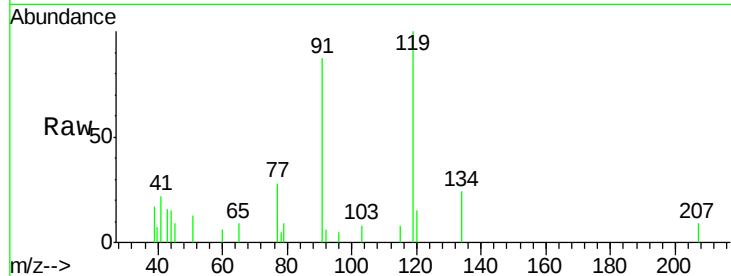
#83
tert-Butylbenzene
Concen: 0.657 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
119	100		
91	82.6	35.1	105.3
134	22.7	11.6	34.8

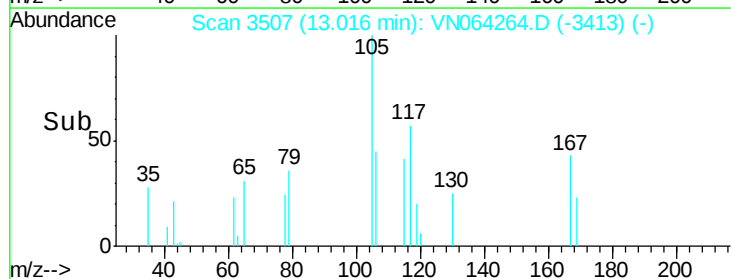
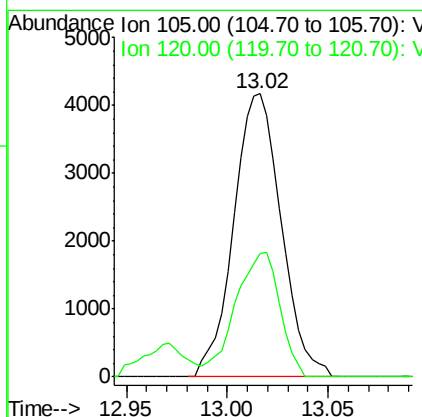
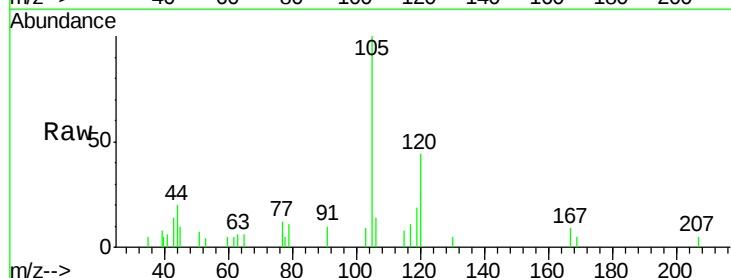
Manual Integrations
APPROVED

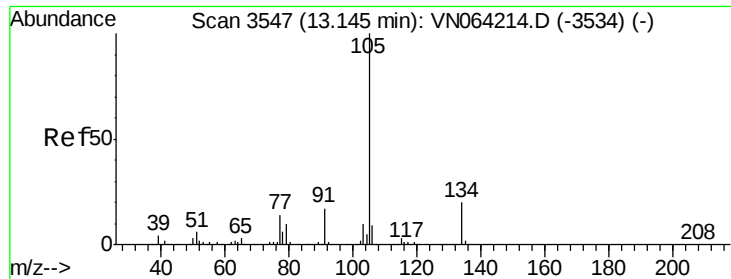
MMDadoda
10/23/2020 3:37:41 PM



#84
1,2,4-Trimethylbenzene
Concen: 0.663 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	40.9	21.5	64.5





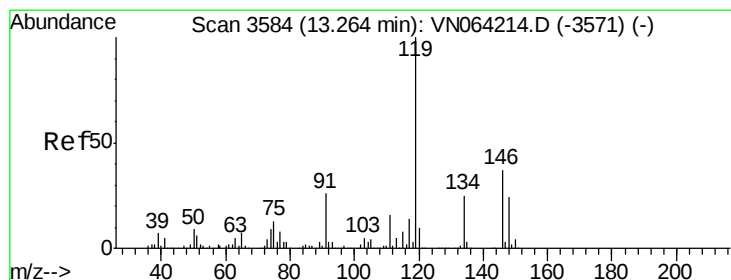
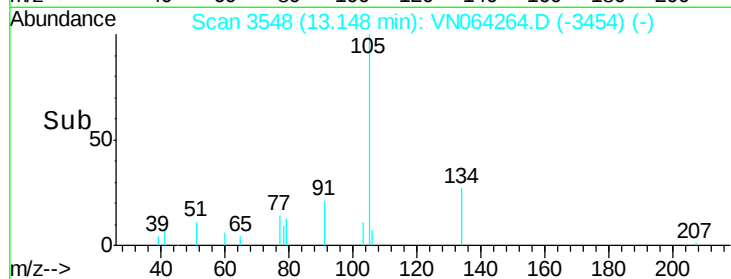
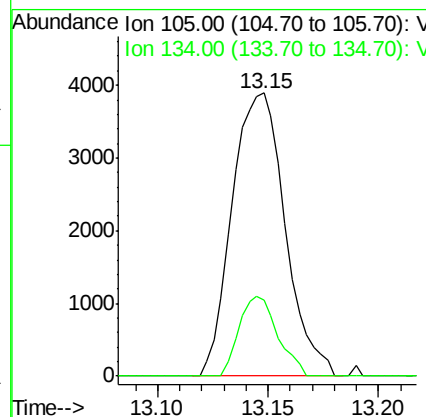
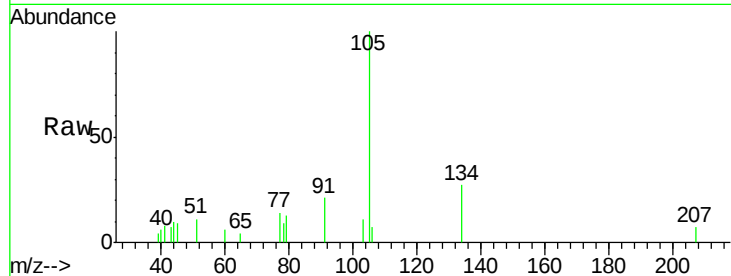
#85
 sec-Butylbenzene
 Concen: 0.600 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	9.7	29.1

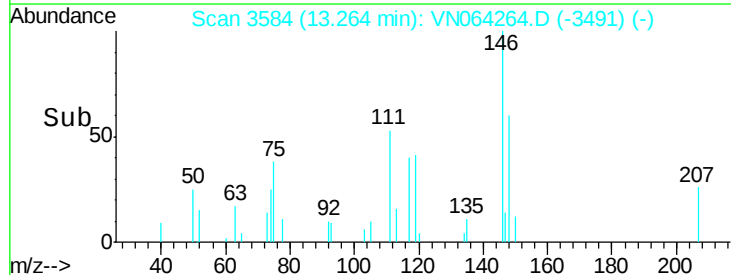
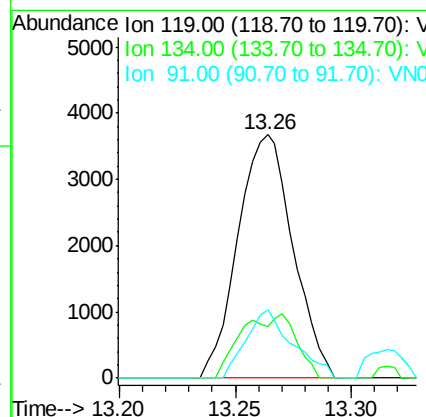
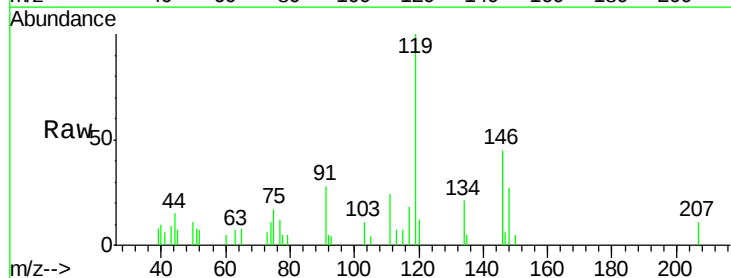
Manual Integrations
 APPROVED

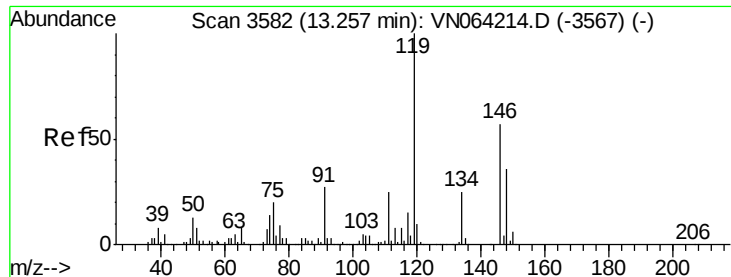
MMDadoda
 10/23/2020 3:37:41 PM



#86
 p-Isopropyltoluene
 Concen: 0.615 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

Tgt Ion	Ratio	Lower	Upper
119	100		
134	14.4	13.1	39.3
91	23.7	13.4	40.2





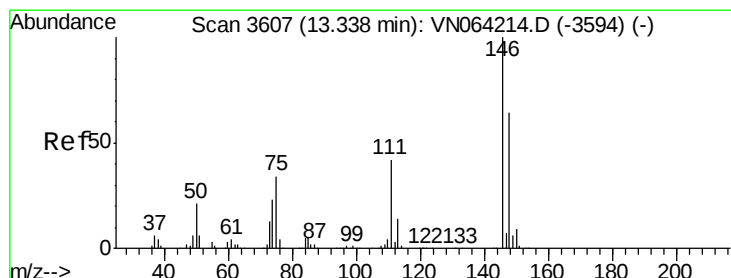
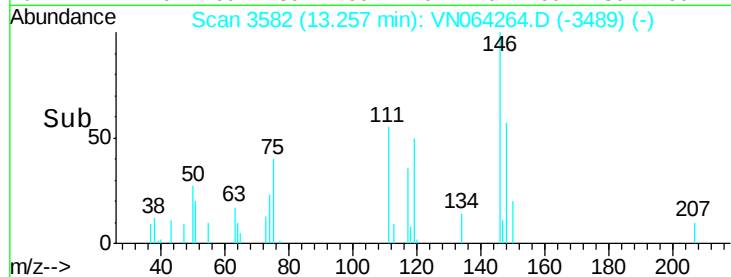
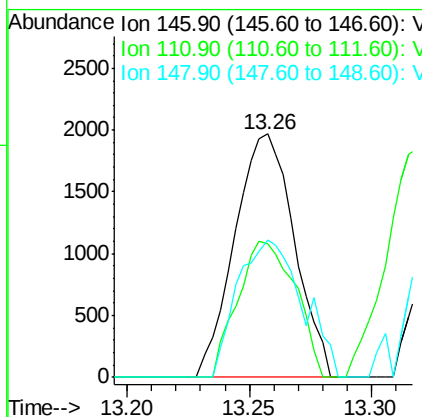
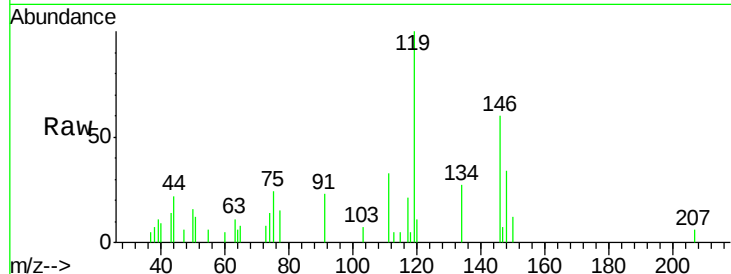
#87
 1,3-Dichlorobenzene
 Concen: 0.641 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	54.0	21.6	65.0
148	61.5	31.7	95.1

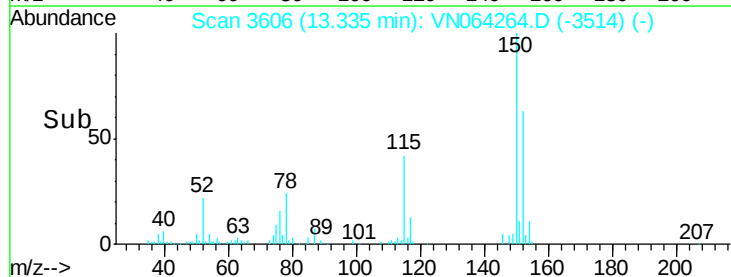
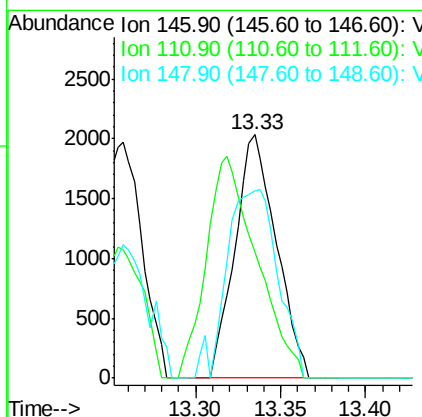
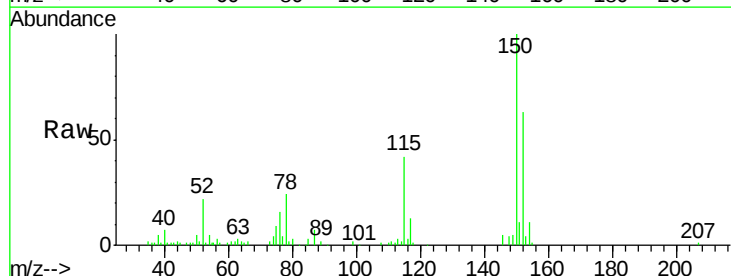
Manual Integrations
 APPROVED

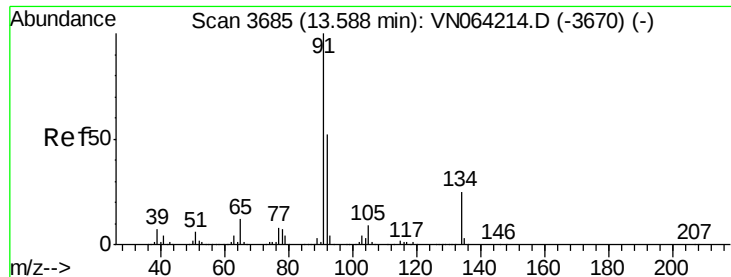
MMDadoda
 10/23/2020 3:37:41 PM



#88
 1,4-Dichlorobenzene
 Concen: 0.644 ug/l m
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	52.6	21.5	64.5
148	59.9	32.0	96.0





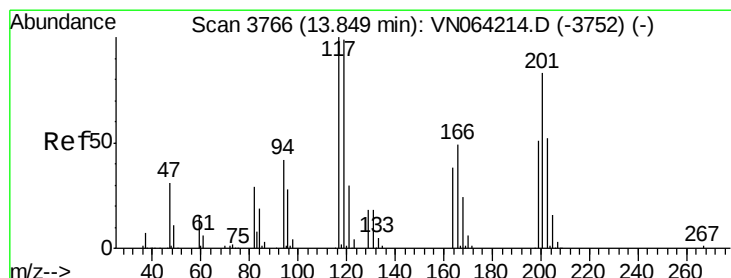
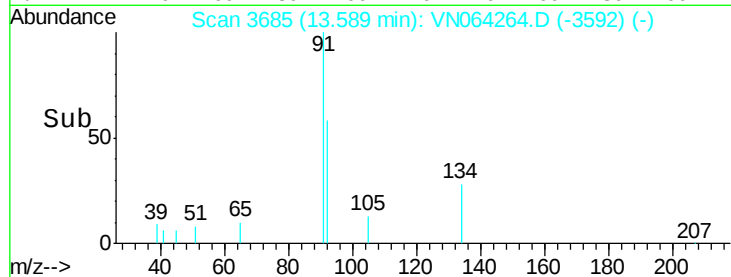
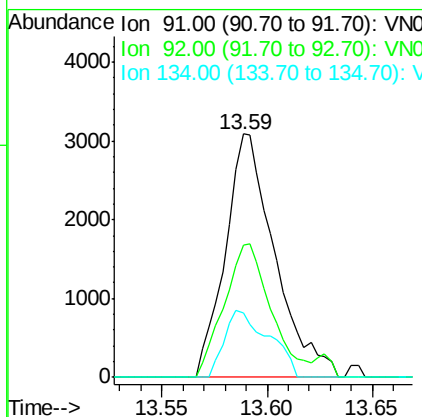
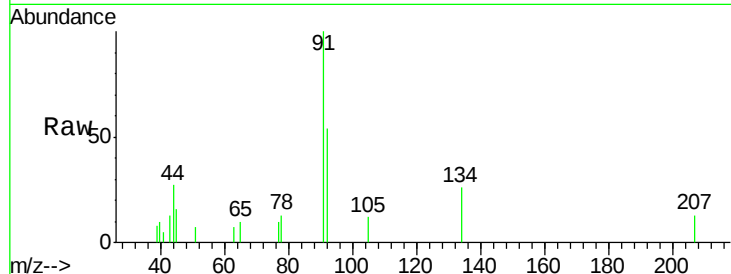
#89
n-Butylbenzene
Concen: 0.569 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	25.7	77.0
134	24.5	12.3	36.8

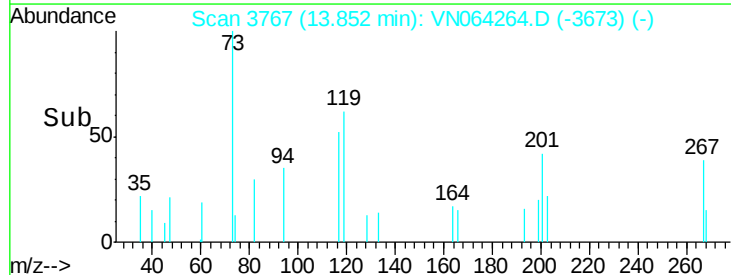
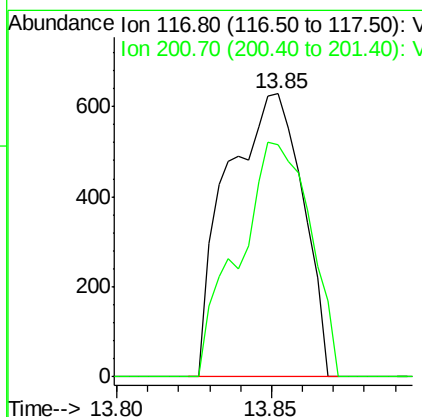
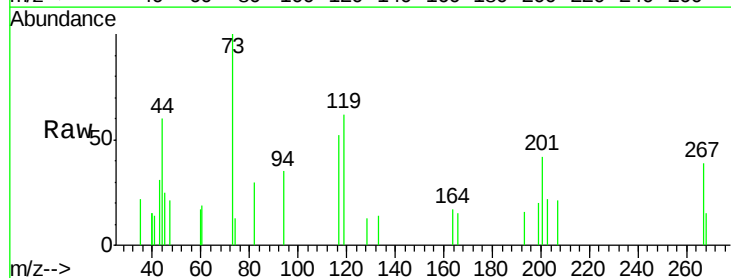
Manual Integrations
APPROVED

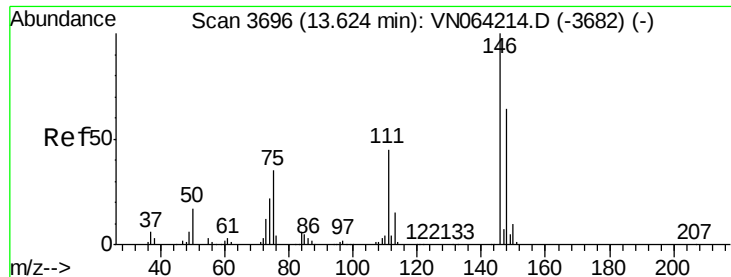
MMDadoda
10/23/2020 3:37:41 PM



#90
Hexachloroethane
Concen: 0.600 ug/l
RT: 13.85 min Scan# 3767
Delta R.T. 0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.7	40.1	120.3





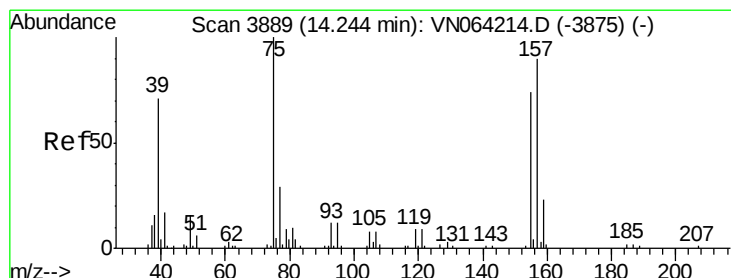
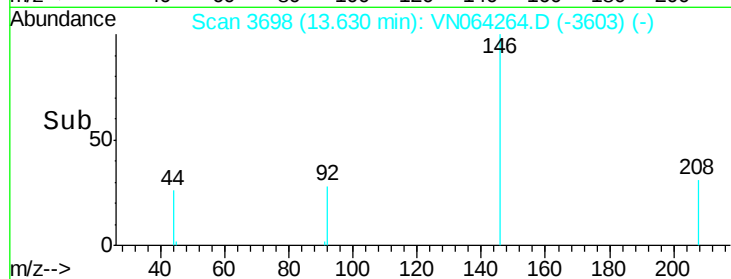
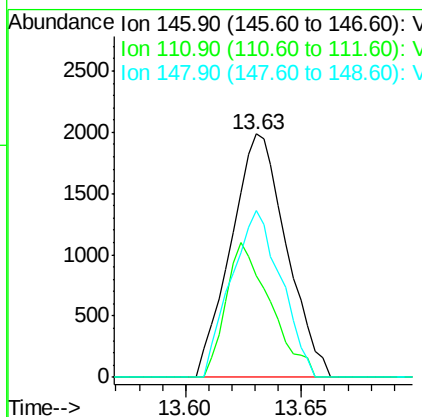
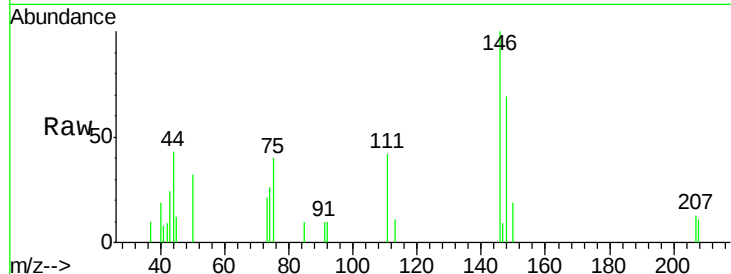
#91
 1,2-Dichlorobenzene
 Concen: 0.647 ug/l
 RT: 13.63 min Scan# 3698
 Delta R.T. 0.01 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.9	68.7
148	62.0	31.9	95.5

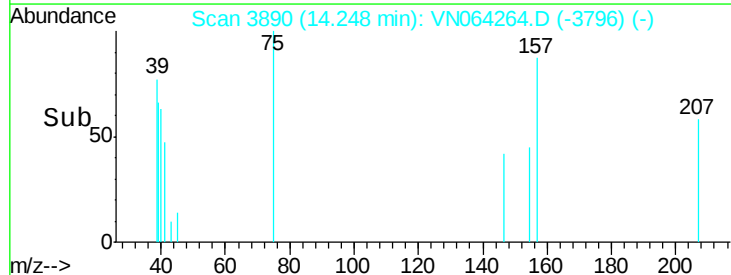
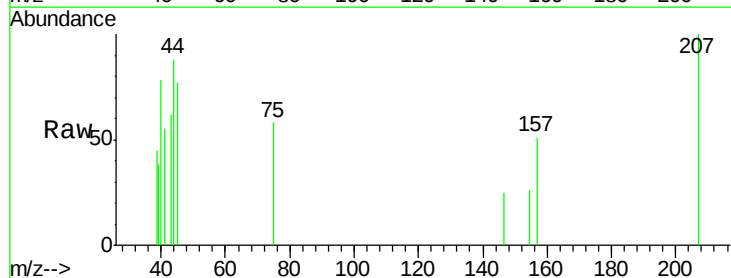
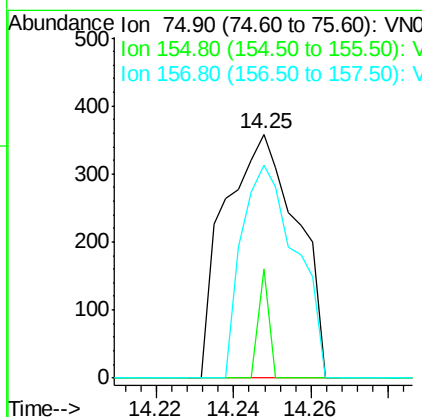
Manual Integrations
 APPROVED

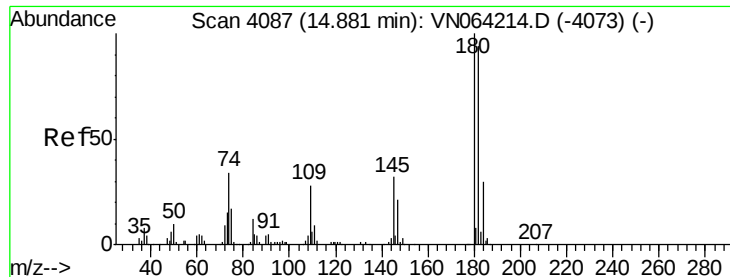
MMDadoda
 10/23/2020 3:37:41 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.570 ug/l
 RT: 14.25 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	6.6	36.9	110.7#
157	65.3	44.6	133.8





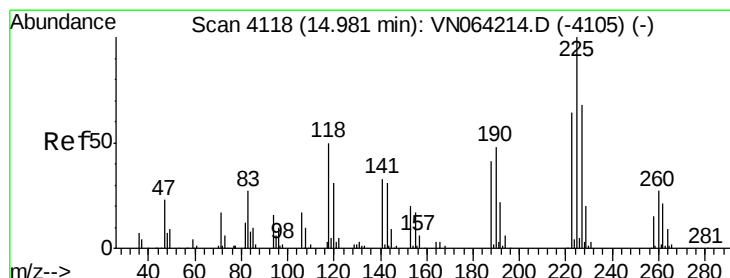
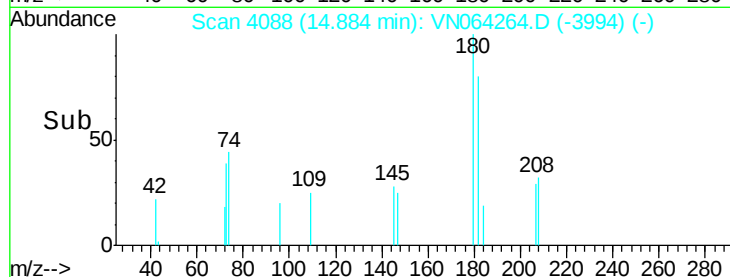
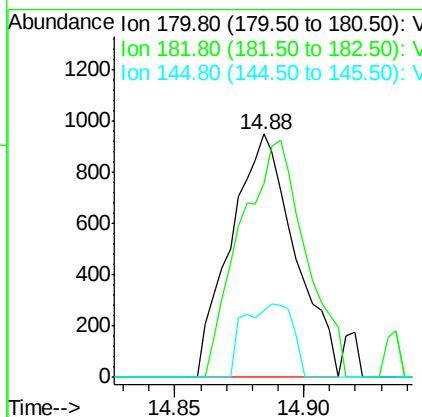
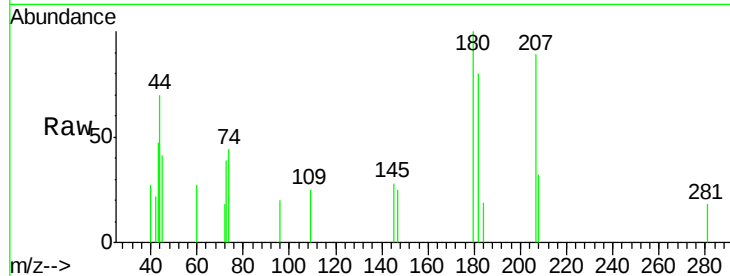
#93
 1,2,4-Trichlorobenzene
 Concen: 0.573 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.8	46.9	140.7
145	23.2	16.1	48.3

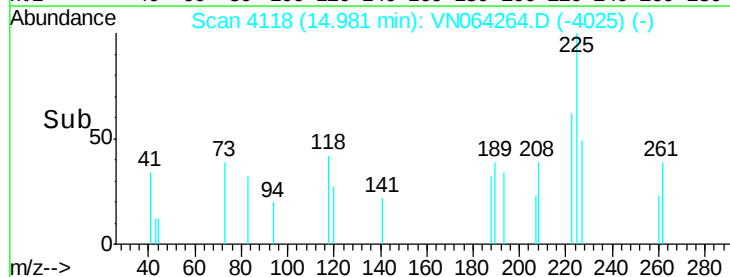
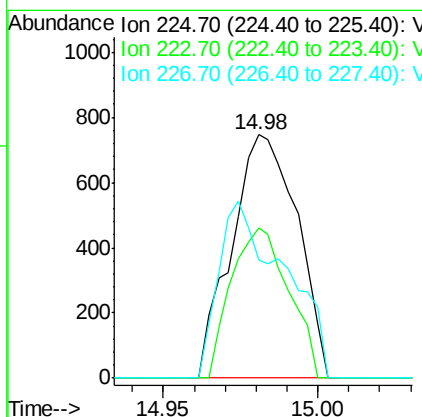
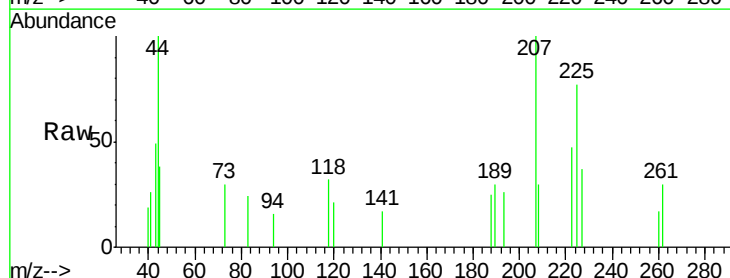
Manual Integrations
 APPROVED

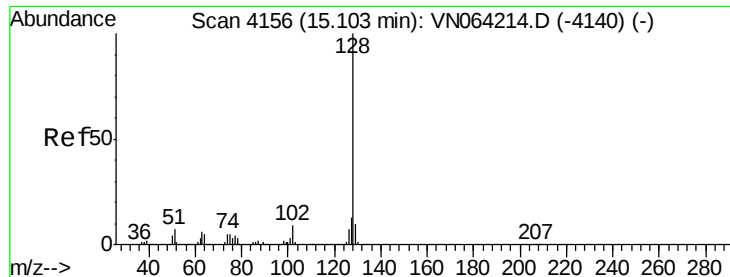
MMDadoda
 10/23/2020 3:37:41 PM



#94
 Hexachlorobutadiene
 Concen: 0.715 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	54.3	31.5	94.5
227	72.7	32.1	96.5





#95

Naphthalene

Concen: 0.476 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

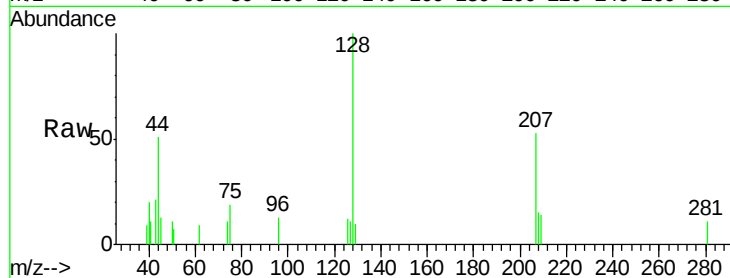
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

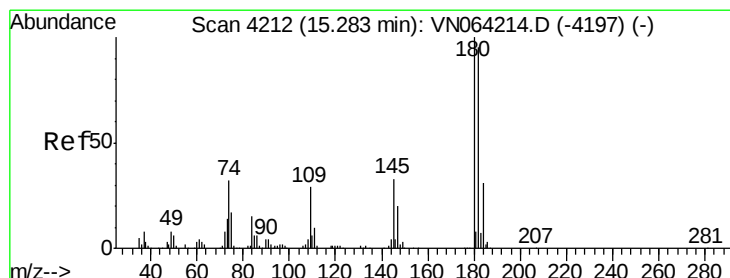
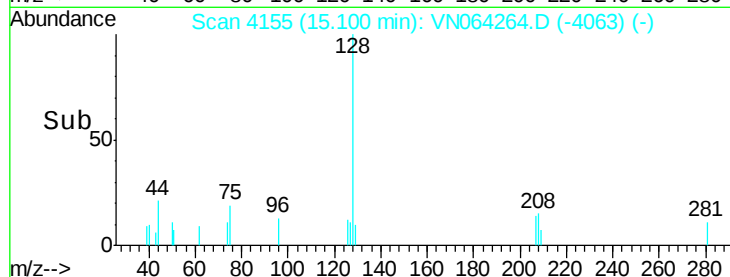
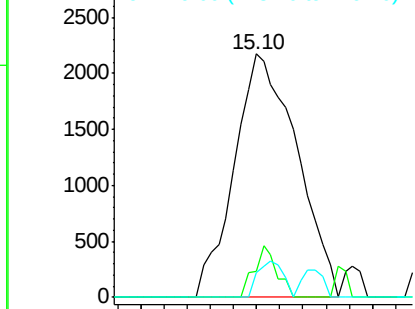
Tot Ion:	128	Resp:	4076
Ion Ratio	Lower	Upper	
128	100		
127	7.7	10.5	15.7#
129	6.1	8.6	12.8#

Manual Integrations
APPROVED

MMDadoda
10/23/2020 3:37:41 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.609 ug/l

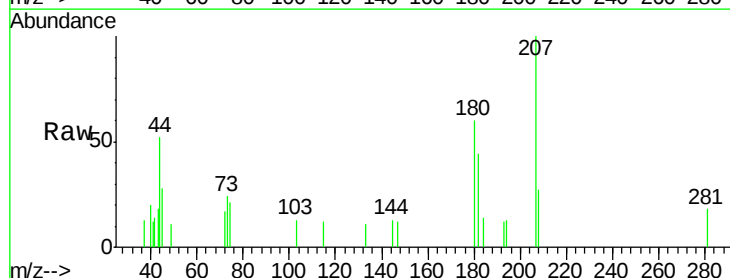
RT: 15.29 min Scan# 4215

Delta R.T. 0.01 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Tgt Ion:	180	Resp:	1727
Ion Ratio	Lower	Upper	
180	100		
182	91.6	48.0	144.2
145	3.8	17.1	51.3#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

