

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
 Data File : VN064265.D
 Acq On : 22 Oct 2020 21:15
 Operator : JC/MD
 Sample : L4214-07 2.5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 3:37:47 PM

Quant Time: Oct 23 03:19:17 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	252593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	419787	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	369843	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	167087	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	203235	54.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.36%	
35) Dibromofluoromethane	7.55	113	138759	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
50) Toluene-d8	10.06	98	492993	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
62) 4-Bromofluorobenzene	12.38	95	191078	46.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.12%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	5592	2.025	ug/l	90
3) Chloromethane	2.04	50	6182	2.118	ug/l #	87
4) Vinyl Chloride	2.16	62	6389	2.207	ug/l	95
5) Bromomethane	2.53	94	4994	2.647	ug/l	95
6) Chloroethane	2.67	64	4182m	2.373	ug/l	
7) Trichlorofluoromethane	2.99	101	12621	2.652	ug/l	97
8) Diethyl Ether	3.37	74	3705	2.353	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.72	101	5999	2.437	ug/l #	45
10) Methyl Iodide	3.91	142	6724	1.921	ug/l	93
11) Tert butyl alcohol	4.74	59	6846	13.634	ug/l #	79
12) 1,1-Dichloroethene	3.71	96	5616m	2.372	ug/l	
13) Acrolein	3.57	56	2614	8.293	ug/l	98
14) Allyl chloride	4.29	41	10562	2.229	ug/l	98
15) Acrylonitrile	4.95	53	12520m	12.058	ug/l	
16) Acetone	3.77	43	13562	12.636	ug/l	99
17) Carbon Disulfide	4.01	76	15816	2.342	ug/l #	93
18) Methyl Acetate	4.29	43	7169m	2.621	ug/l	
19) Methyl tert-butyl Ether	4.99	73	20353	2.501	ug/l #	85
20) Methylene Chloride	4.51	84	7307	2.553	ug/l #	88
21) trans-1,2-Dichloroethene	5.00	96	6331	2.425	ug/l	89
22) Diisopropyl ether	5.90	45	19793	2.247	ug/l	89
23) Vinyl Acetate	5.85	43	90946	11.578	ug/l	95
24) 1,1-Dichloroethane	5.80	63	12712	2.491	ug/l #	92
25) 2-Butanone	6.79	43	20795	12.195	ug/l	99
26) 2,2-Dichloropropane	6.77	77	10829	2.132	ug/l	82
27) cis-1,2-Dichloroethene	6.78	96	6940	2.283	ug/l	95
28) Bromochloromethane	7.15	49	6331	2.612	ug/l #	89
29) Tetrahydrofuran	7.17	42	14076	13.800	ug/l	97
30) Chloroform	7.34	83	13378m	2.458	ug/l	
31) Cyclohexane	7.61	56	15322	3.446	ug/l #	70
32) 1,1,1-Trichloroethane	7.53	97	12554	2.462	ug/l	97
36) 1,1-Dichloropropene	7.76	75	9792	2.340	ug/l	99
37) Ethyl Acetate	6.88	43	7825	2.059	ug/l #	93
38) Carbon Tetrachloride	7.73	117	11779	2.474	ug/l #	82

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
 Data File : VN064265.D
 Acq On : 22 Oct 2020 21:15
 Operator : JC/MD
 Sample : L4214-07 2.5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 3:37:47 PM

Quant Time: Oct 23 03:19:17 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	9.05	83	8103	2.129	ug/l #	87
40) Benzene	8.00	78	26330	2.279	ug/l	99
41) Methacrylonitrile	7.13	41	3732m	1.872	ug/l	
42) 1,2-Dichloroethane	8.08	62	12576	2.541	ug/l	94
43) Isopropyl Acetate	8.12	43	18072	2.552	ug/l #	76
44) Trichloroethene	8.79	130	7613	2.418	ug/l	89
45) 1,2-Dichloropropane	9.09	63	7404	2.401	ug/l #	87
46) Dibromomethane	9.18	93	5123	2.474	ug/l	97
47) Bromodichloromethane	9.37	83	10683	2.335	ug/l	97
48) Methyl methacrylate	9.16	41	8944	2.418	ug/l	92
49) 1,4-Dioxane	9.18	88	1951m	45.075	ug/l	
51) 4-Methyl-2-Pentanone	9.95	43	45078	11.911	ug/l	96
52) Toluene	10.12	92	16991	2.299	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	11382	2.239	ug/l	93
54) cis-1,3-Dichloropropene	9.81	75	12786	2.389	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	6673	2.390	ug/l	95
56) Ethyl methacrylate	10.40	69	9569	2.217	ug/l #	91
57) 1,3-Dichloropropane	10.68	76	11095	2.288	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.66	63	24270	10.918	ug/l	94
59) 2-Hexanone	10.72	43	33393	12.081	ug/l	92
60) Dibromochloromethane	10.87	129	7734	2.140	ug/l	98
61) 1,2-Dibromoethane	10.98	107	7059	2.396	ug/l	95
64) Tetrachloroethene	10.60	164	8225	2.762	ug/l	94
65) Chlorobenzene	11.40	112	18156	2.372	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.48	131	7377	2.428	ug/l	98
67) Ethyl Benzene	11.48	91	33469	2.379	ug/l	97
68) m/p-Xylenes	11.59	106	22889	4.391	ug/l	97
69) o-Xylene	11.92	106	12589	2.497	ug/l	98
70) Styrene	11.94	104	18435	2.182	ug/l	97
71) Bromoform	12.10	173	5263	2.242	ug/l #	93
73) Isopropylbenzene	12.22	105	30691	2.408	ug/l	96
74) N-amyl acetate	12.05	43	11744	2.133	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.48	83	8531	2.523	ug/l	94
76) 1,2,3-Trichloropropane	12.52	75	9830m	2.791	ug/l	
77) Bromobenzene	12.50	156	7260	2.413	ug/l	85
78) n-propylbenzene	12.56	91	33708	2.346	ug/l	100
79) 2-Chlorotoluene	12.65	91	22802	2.584	ug/l	96
80) 1,3,5-Trimethylbenzene	12.70	105	24531	2.277	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.28	75	2939m	2.107	ug/l	
82) 4-Chlorotoluene	12.75	91	22846	2.482	ug/l	98
83) tert-Butylbenzene	12.97	119	22053	2.497	ug/l	93
84) 1,2,4-Trimethylbenzene	13.01	105	25128	2.343	ug/l	97
85) sec-Butylbenzene	13.14	105	25759	2.313	ug/l	98
86) p-Isopropyltoluene	13.26	119	23110	2.279	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	12861	2.403	ug/l	96
88) 1,4-Dichlorobenzene	13.33	146	13162	2.402	ug/l	82
89) n-Butylbenzene	13.59	91	19877	2.187	ug/l	97
90) Hexachloroethane	13.85	117	4472	2.435	ug/l	98
91) 1,2-Dichlorobenzene	13.62	146	12854	2.448	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.24	75	2215	2.625	ug/l	79

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
Data File : VN064265.D
Acq On : 22 Oct 2020 21:15
Operator : JC/MD
Sample : L4214-07 2.5PPB LOD
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

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

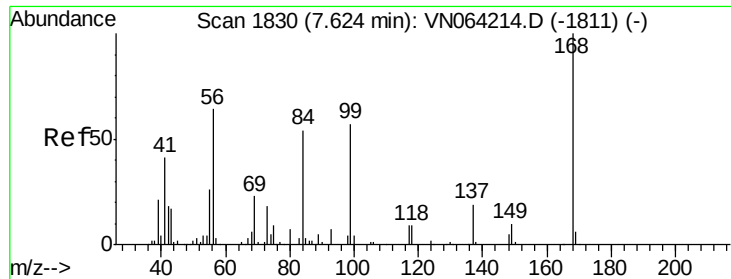
Manual Integrations
APPROVED

MMDadoda
10/23/2020 3:37:47 PM

Quant Time: Oct 23 03:19:17 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	6233	2.116	ug/l	90
94) Hexachlorobutadiene	14.98	225	3826	2.408	ug/l	94
95) Naphthalene	15.10	128	16768	1.901	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	5553	1.903	ug/l	96

(#) = 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: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:168 Resp: 252593

Ion Ratio Lower Upper

168 100

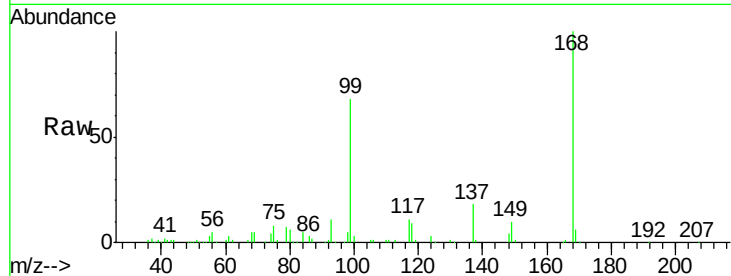
99 67.5 54.0 81.0

Manual Integrations

APPROVED

MMDadoda

10/23/2020 3:37:47 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

120000

100000

80000

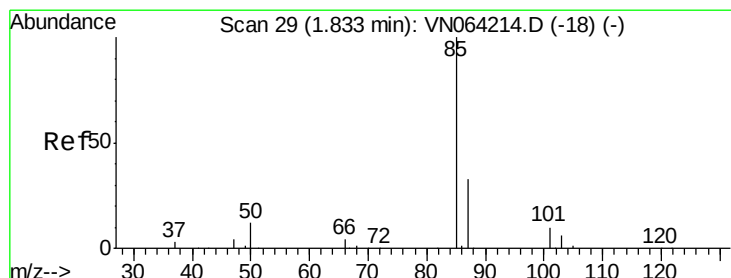
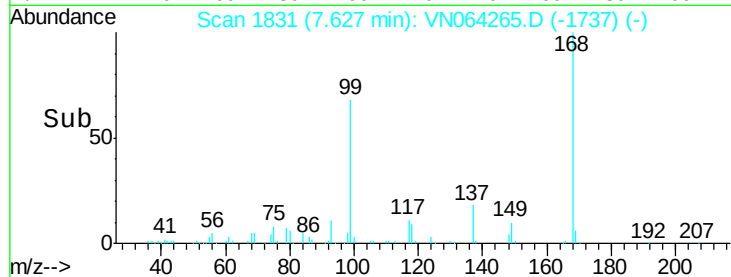
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 2.025 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064265.D

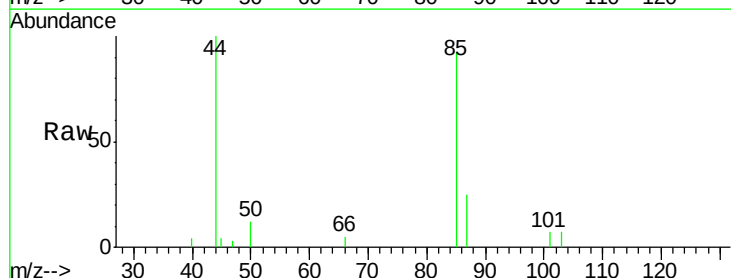
Acq: 22 Oct 2020 21:15

Tgt Ion: 85 Resp: 5592

Ion Ratio Lower Upper

85 100

87 27.4 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

5000

4000

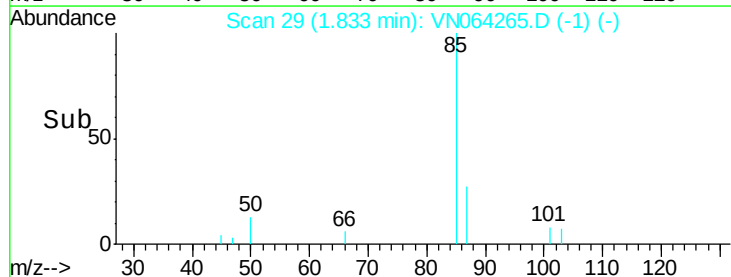
3000

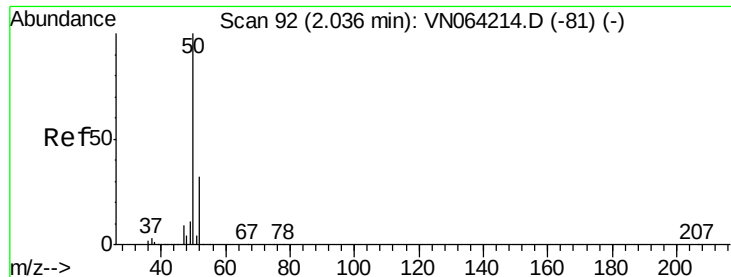
2000

1000

0

Time--> 1.80 1.85





#3

Chloromethane

Concen: 2.118 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 50 Resp: 6182

Ion Ratio Lower Upper

50 100

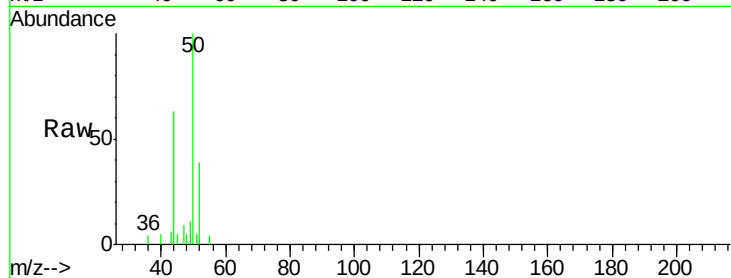
52 38.9 25.3 37.9#

Manual Integrations

APPROVED

MMDadoda

10/23/2020 3:37:47 PM

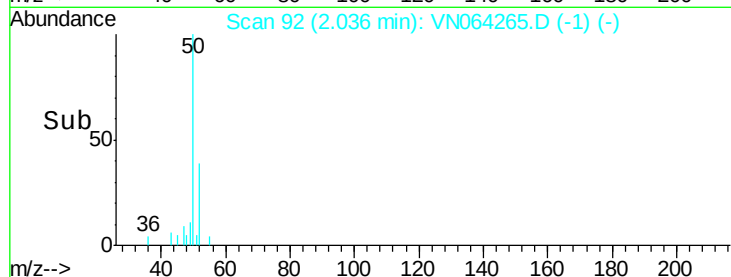


Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

Time-->



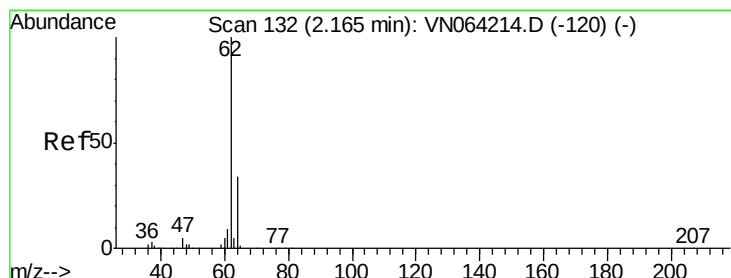
Abundance

Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

Time-->



#4

Vinyl Chloride

Concen: 2.207 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064265.D

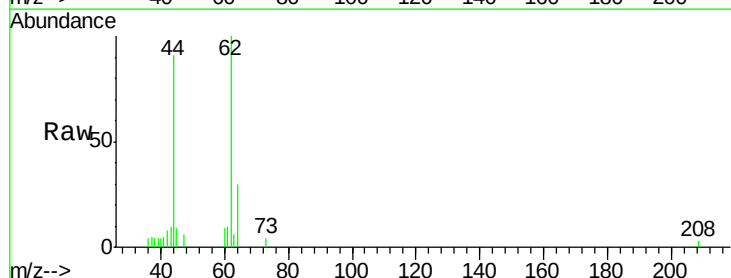
Acq: 22 Oct 2020 21:15

Tgt Ion: 62 Resp: 6389

Ion Ratio Lower Upper

62 100

64 30.4 26.8 40.2

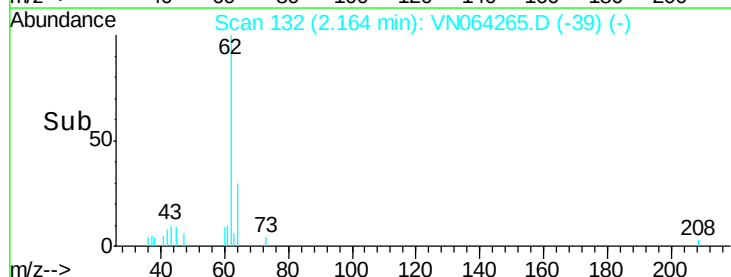


Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

Time-->



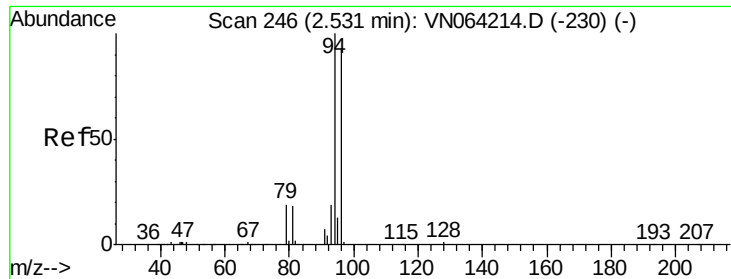
Abundance

Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

Time-->



#5

Bromomethane

Concen: 2.647 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 94 Resp: 4994

Ion Ratio Lower Upper

94 100

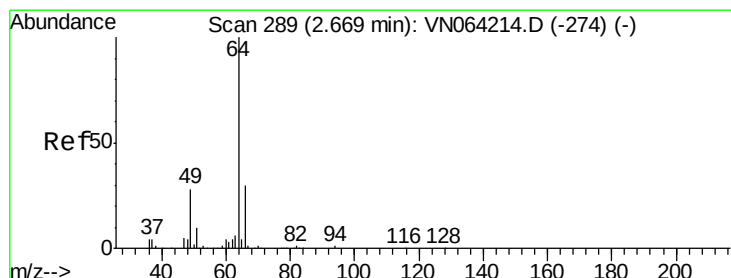
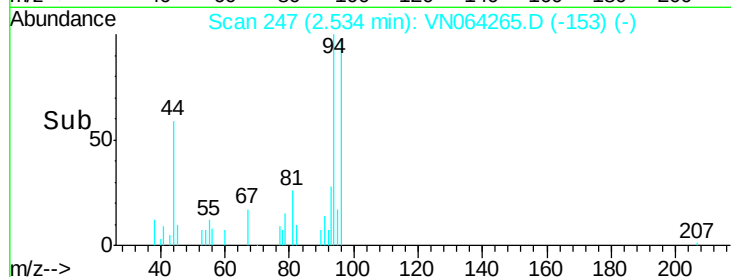
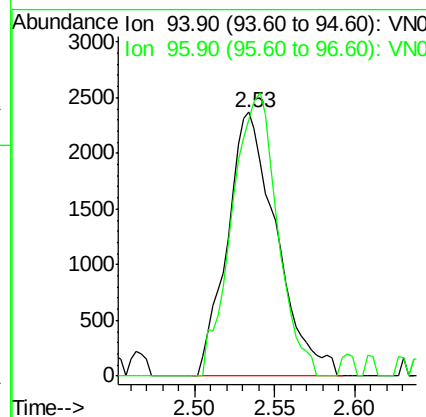
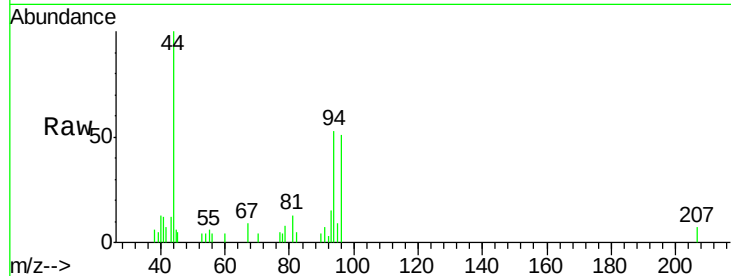
96 97.5 74.2 111.4

Manual Integrations

APPROVED

MMDadoda

10/23/2020 3:37:47 PM



#6

Chloroethane

Concen: 2.373 ug/l m

RT: 2.67 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN064265.D

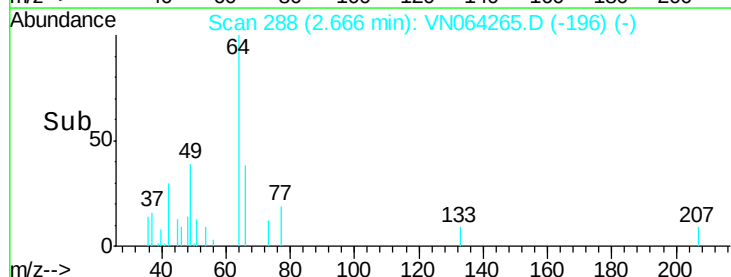
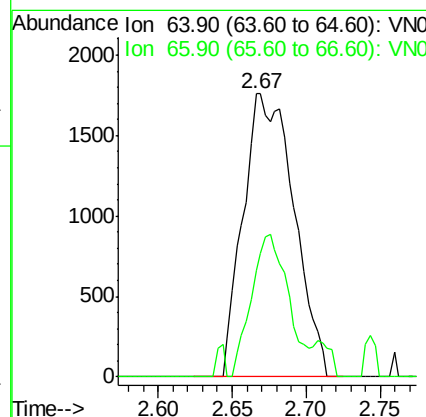
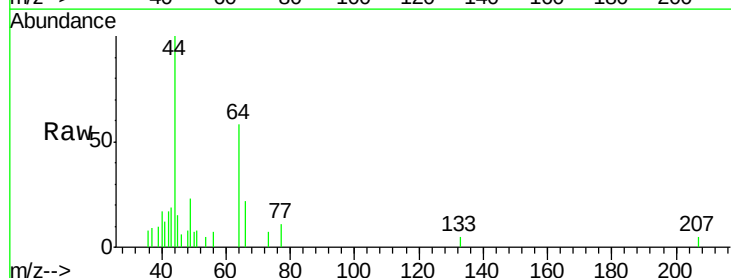
Acq: 22 Oct 2020 21:15

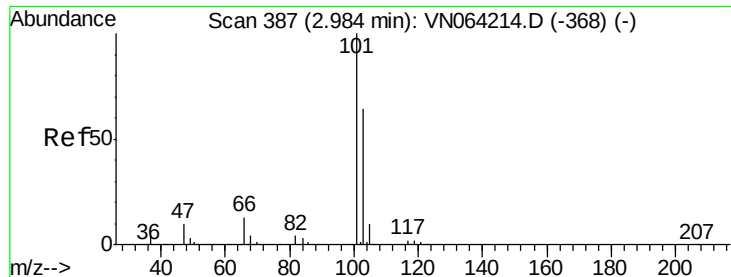
Tgt Ion: 64 Resp: 4182

Ion Ratio Lower Upper

64 100

66 37.6 24.5 36.7#





#7

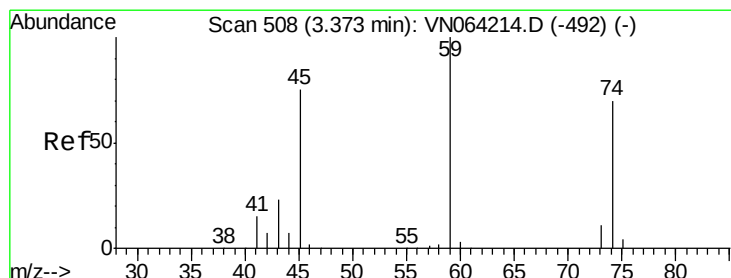
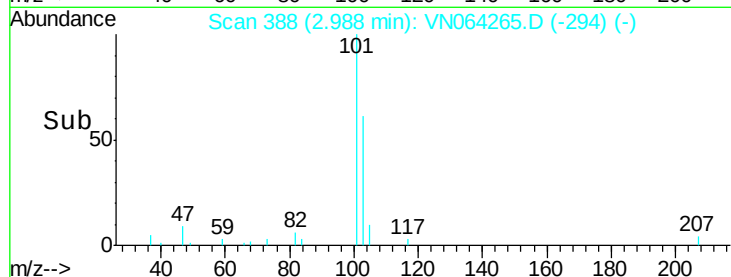
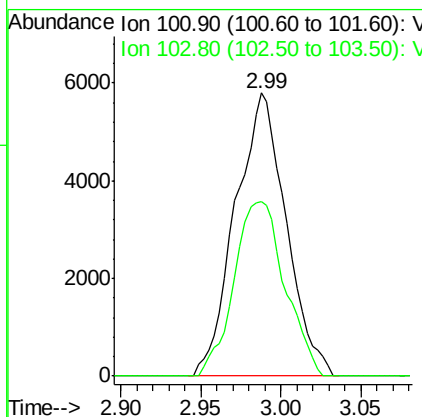
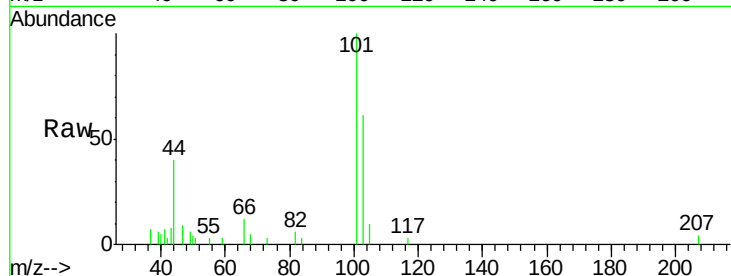
Trichlorofluoromethane
Concen: 2.652 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

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

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.5	51.0	76.6

Manual Integrations
APPROVED

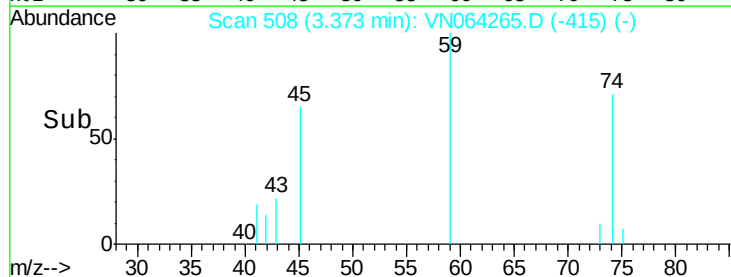
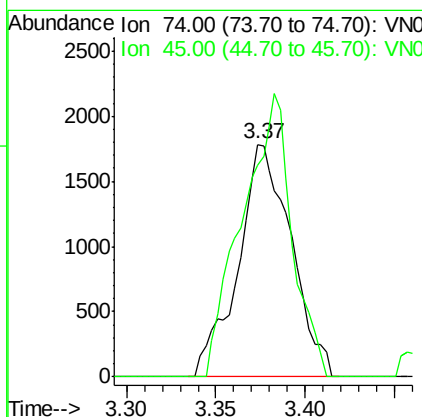
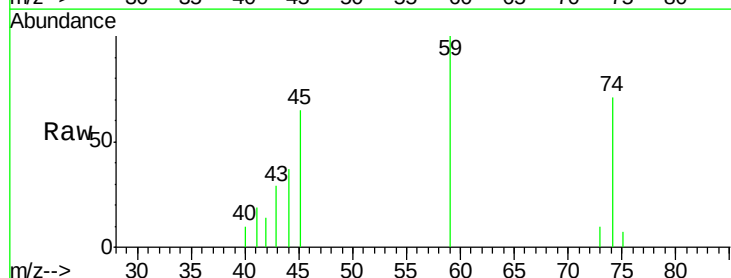
MMDadoda
10/23/2020 3:37:47 PM

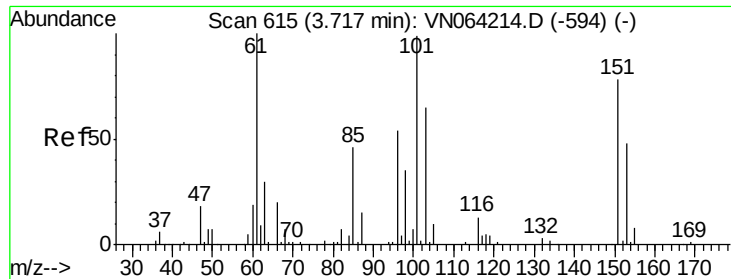


#8

Diethyl Ether
Concen: 2.353 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.7	51.3	154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.437 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

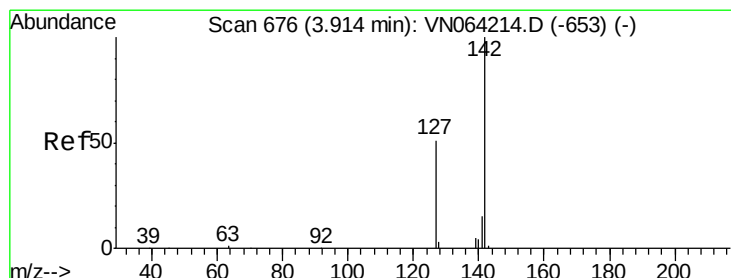
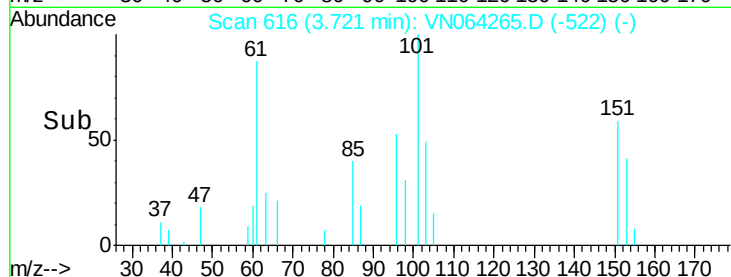
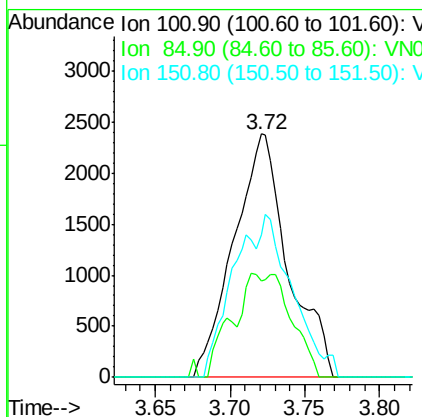
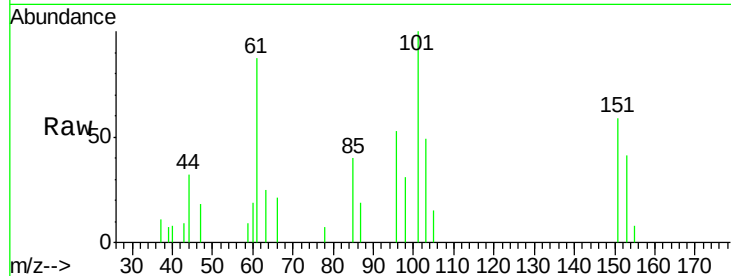
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	101	Resp:	5999
Ion Ratio	Lower	Upper	
101	100		
85	6.5	37.8	56.8#
151	32.0	61.4	92.2#

Manual Integrations
APPROVED

MMDadoda
10/23/2020 3:37:47 PM



#10

Methyl Iodide

Concen: 1.921 ug/l

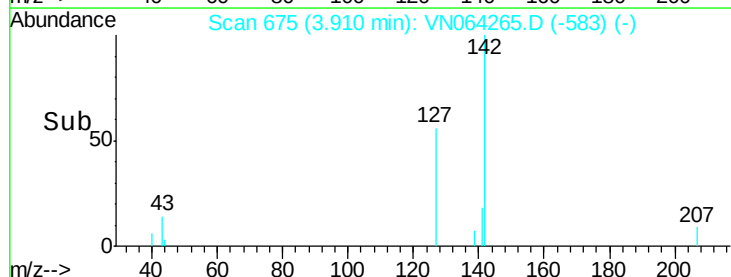
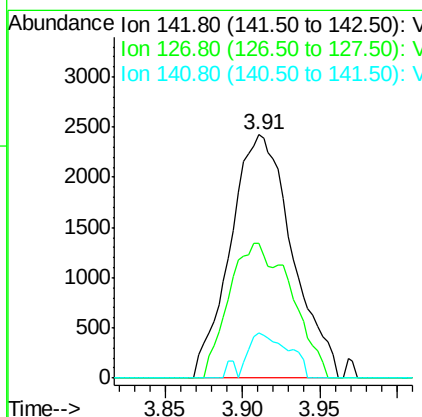
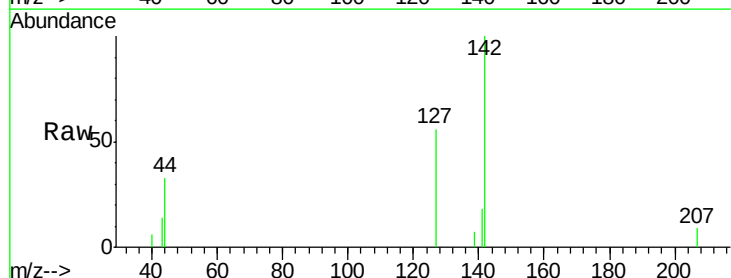
RT: 3.91 min Scan# 675

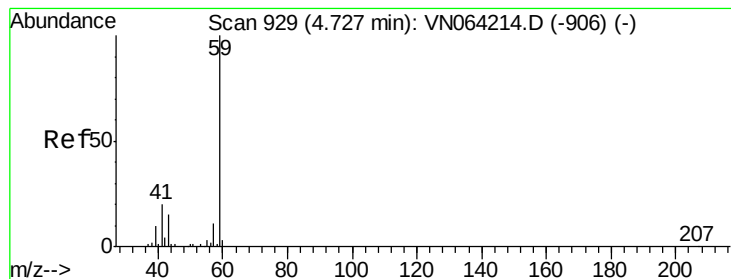
Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Tgt Ion:	142	Resp:	6724
Ion Ratio	Lower	Upper	
142	100		
127	56.1	41.0	61.6
141	11.9	11.3	16.9





#11

Tert butyl alcohol

Concen: 13.634 ug/l

RT: 4.74 min Scan# 933

Delta R.T. 0.01 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 59 Resp: 6846

Ion Ratio Lower Upper

59 100

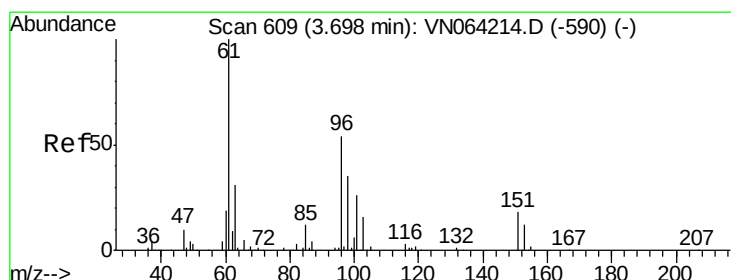
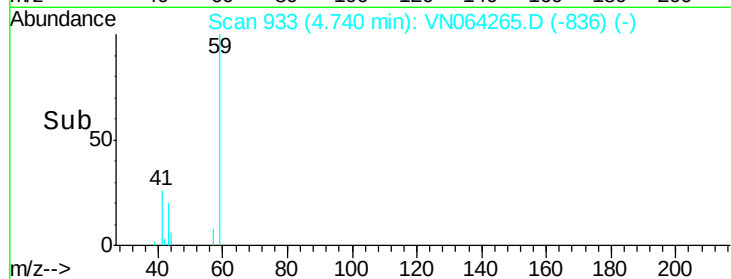
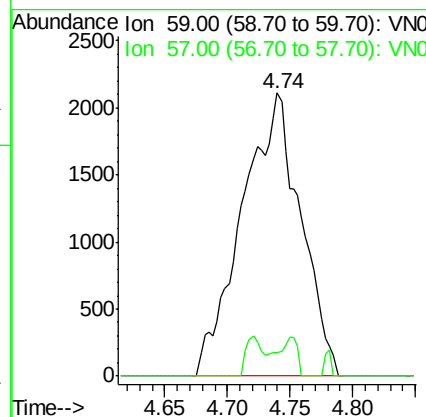
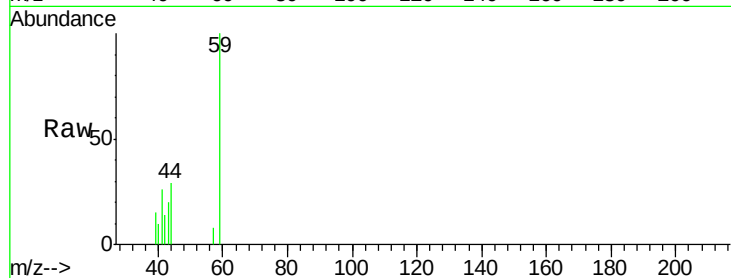
57 3.5 9.2 13.8#

Manual Integrations

APPROVED

MMDadoda

10/23/2020 3:37:47 PM



#12

1,1-Dichloroethene

Concen: 2.372 ug/l m

RT: 3.71 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

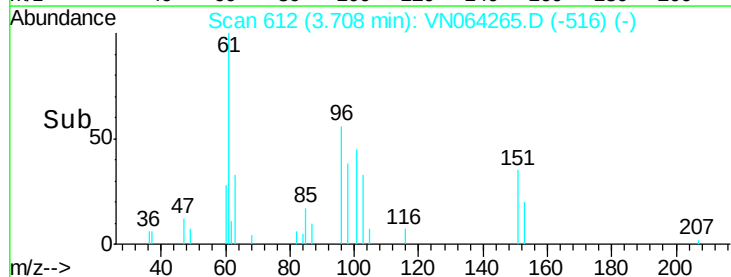
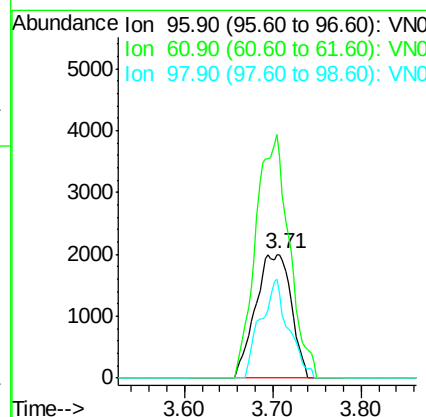
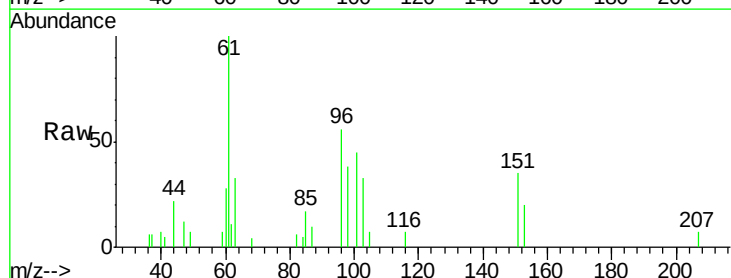
Tgt Ion: 96 Resp: 5616

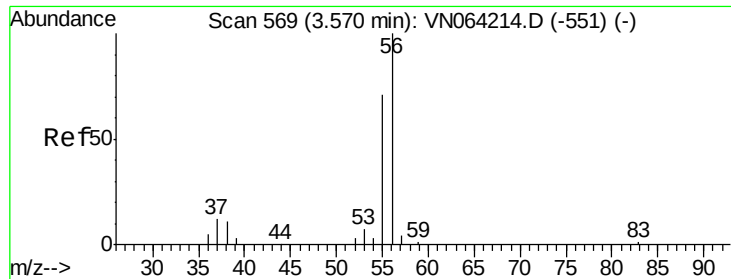
Ion Ratio Lower Upper

96 100

61 179.6 147.0 220.4

98 68.9 51.7 77.5





#13

Acrolein

Concen: 8.293 ug/l

RT: 3.57 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 56 Resp: 2614

Ion Ratio Lower Upper

56 100

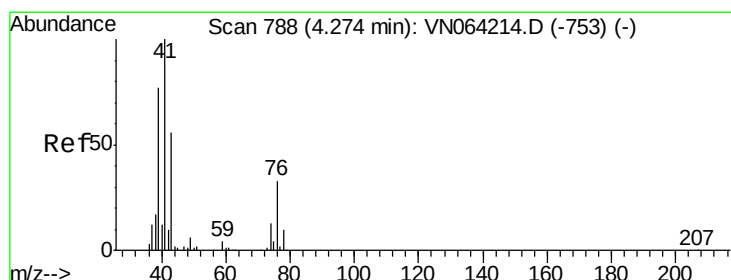
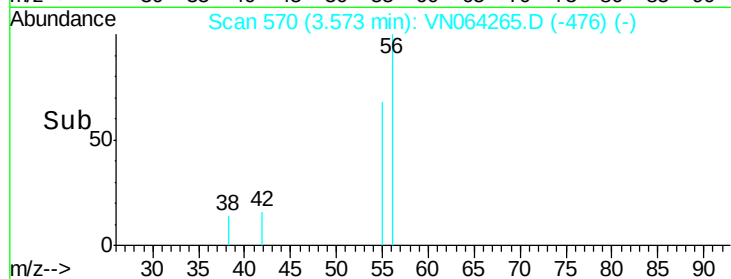
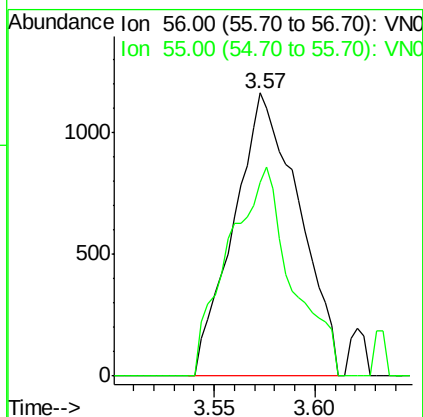
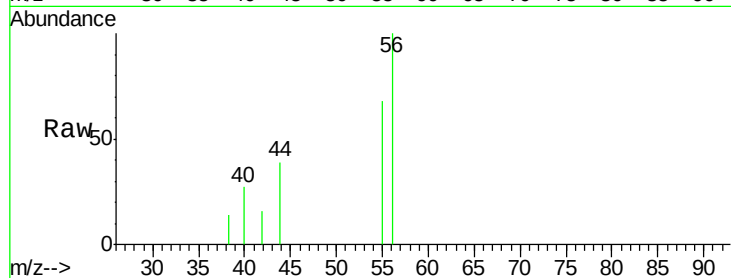
55 71.8 56.1 84.1

Manual Integrations

APPROVED

MMDadoda

10/23/2020 3:37:47 PM



#14

Allyl chloride

Concen: 2.229 ug/l

RT: 4.29 min Scan# 792

Delta R.T. 0.01 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

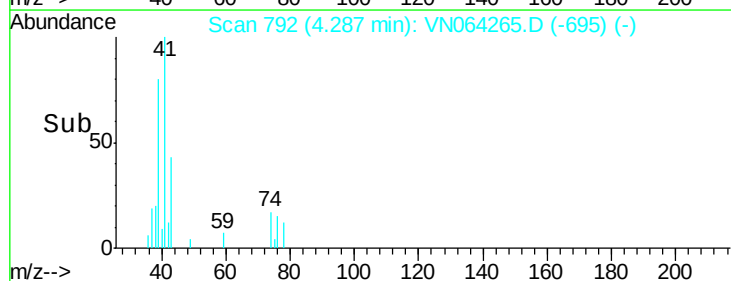
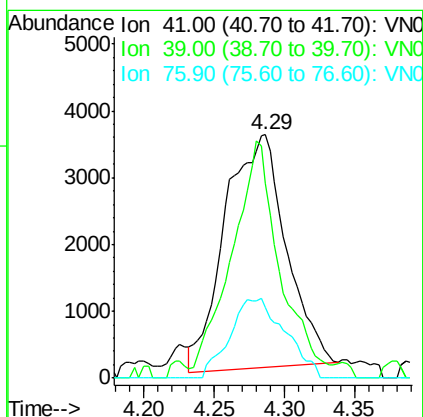
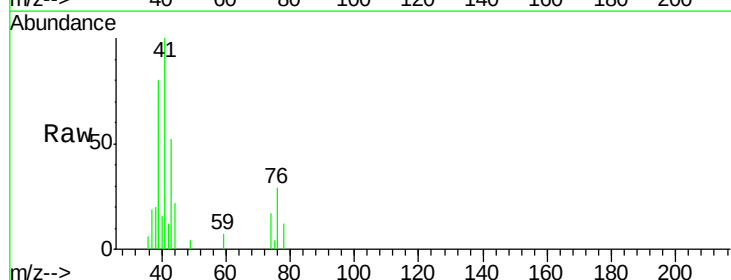
Tgt Ion: 41 Resp: 10562

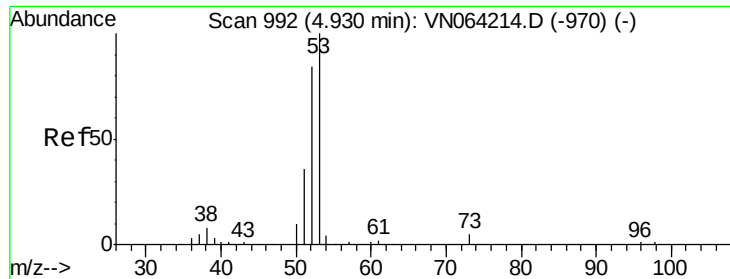
Ion Ratio Lower Upper

41 100

39 75.1 58.6 88.0

76 30.9 24.5 36.7





#15

Acrylonitrile

Concen: 12.058 ug/l m

RT: 4.95 min Scan# 997

Delta R.T. 0.02 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

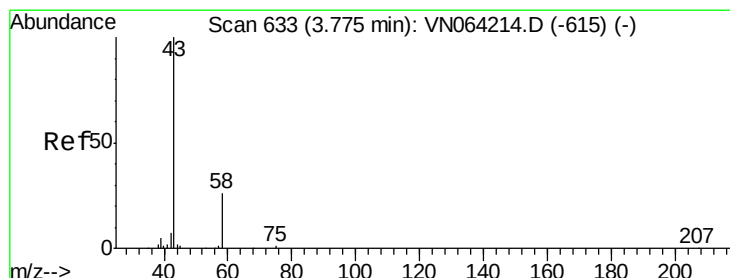
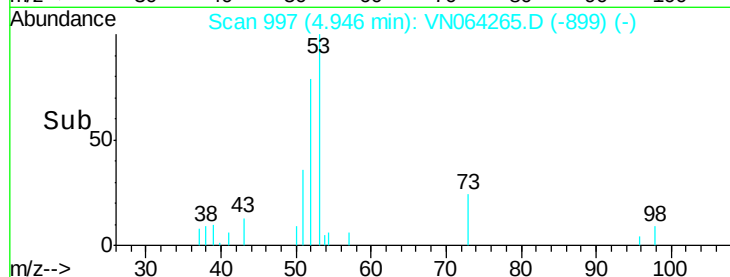
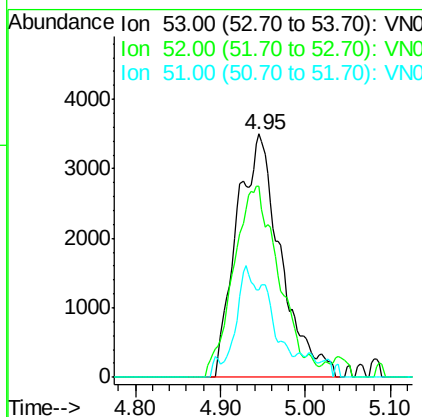
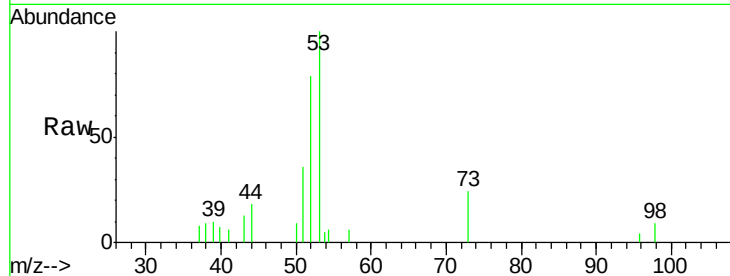
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	53	Resp:	12520
Ion Ratio	Lower	Upper	
53	100		
52	80.3	66.8	100.2
51	15.8	30.7	46.1#

Manual Integrations
APPROVED

MMDadoda
10/23/2020 3:37:47 PM



#16

Acetone

Concen: 12.636 ug/l

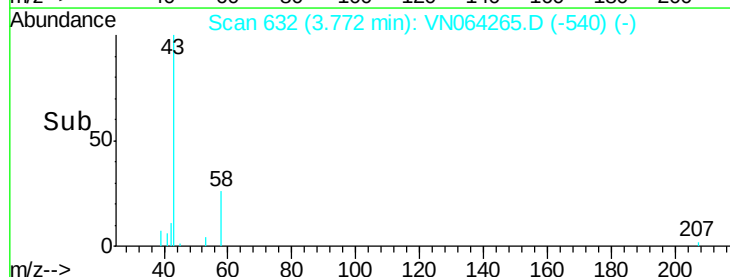
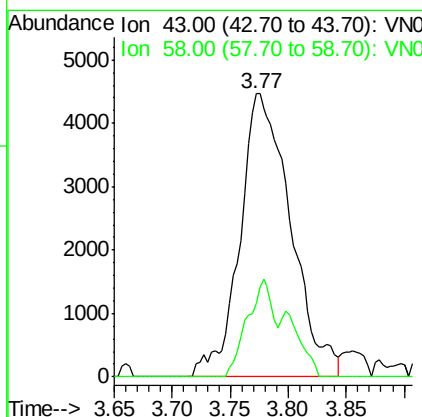
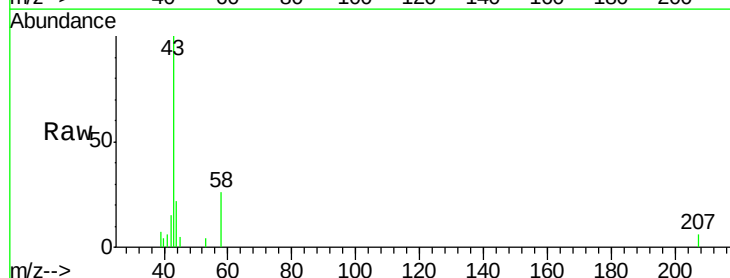
RT: 3.77 min Scan# 632

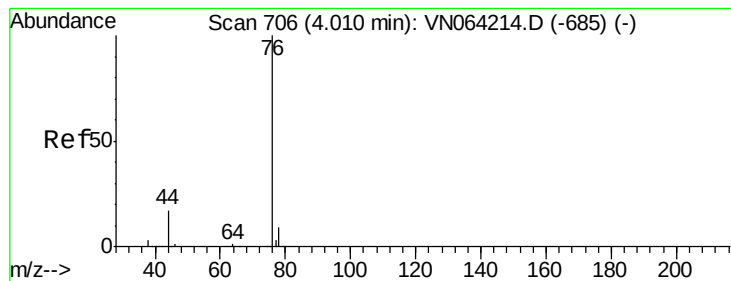
Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Tgt Ion:	43	Resp:	13562
Ion Ratio	Lower	Upper	
43	100		
58	25.9	21.0	31.4





#17

Carbon Disulfide

Concen: 2.342 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 76 Resp: 15816

Ion Ratio Lower Upper

76 100

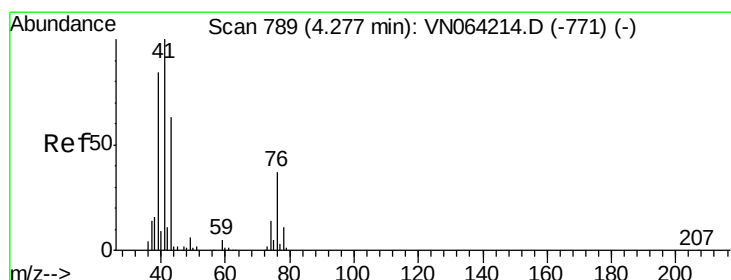
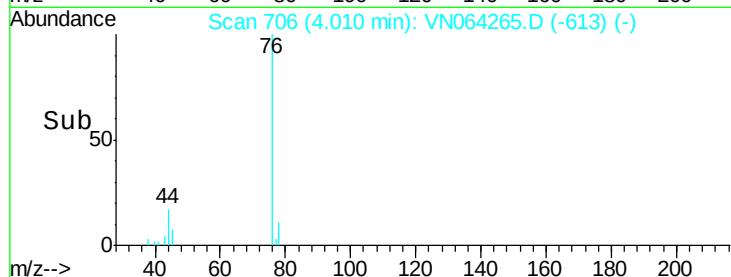
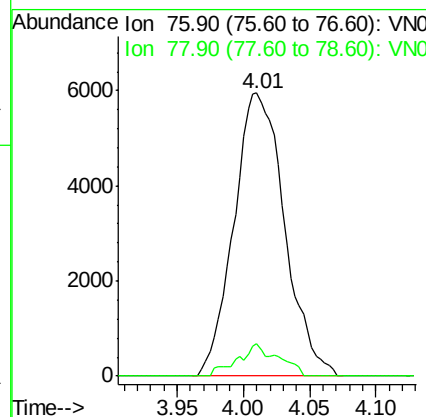
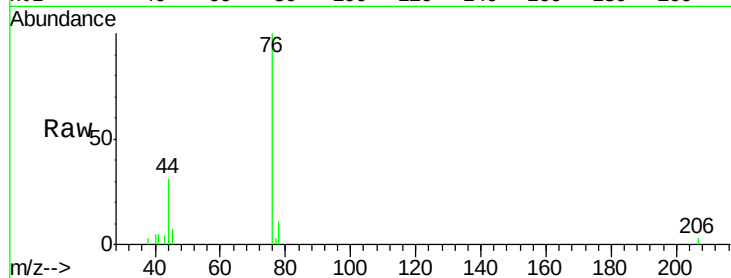
78 11.4 7.1 10.7#

Manual Integrations

APPROVED

MMDadoda

10/23/2020 3:37:47 PM



#18

Methyl Acetate

Concen: 2.621 ug/l m

RT: 4.29 min Scan# 794

Delta R.T. 0.02 min

Lab File: VN064265.D

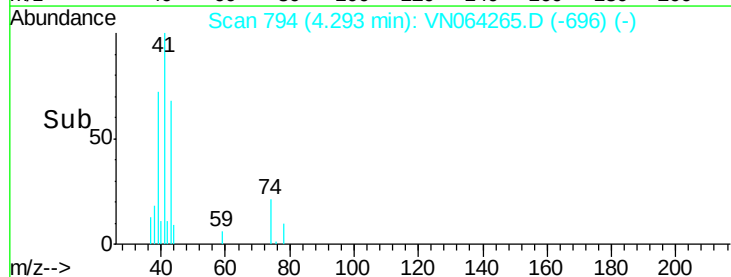
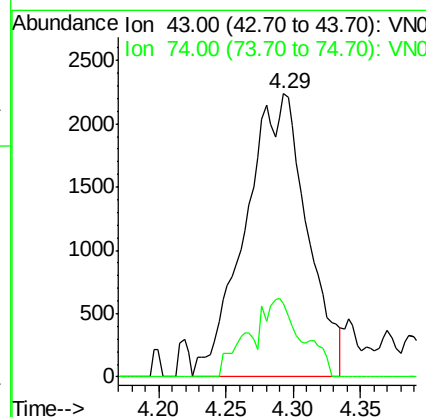
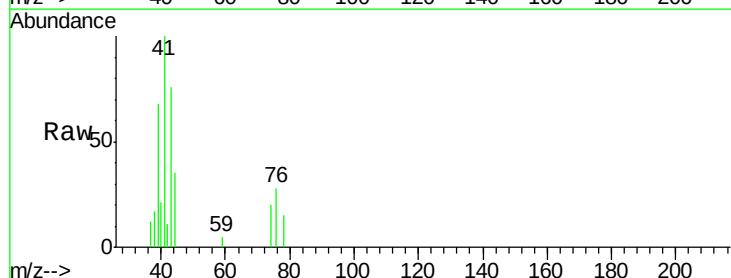
Acq: 22 Oct 2020 21:15

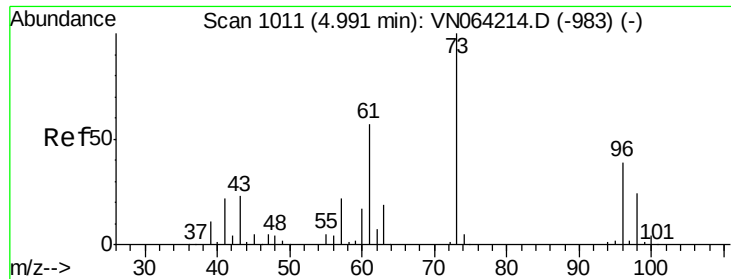
Tgt Ion: 43 Resp: 7169

Ion Ratio Lower Upper

43 100

74 8.7 17.9 26.9#





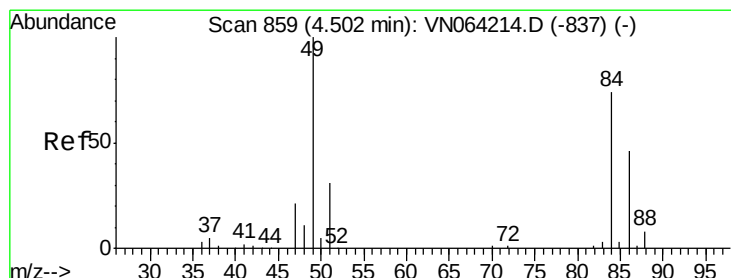
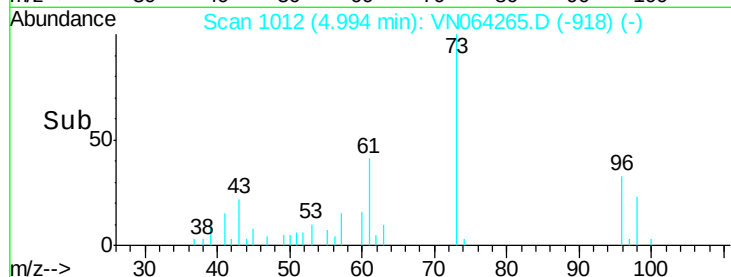
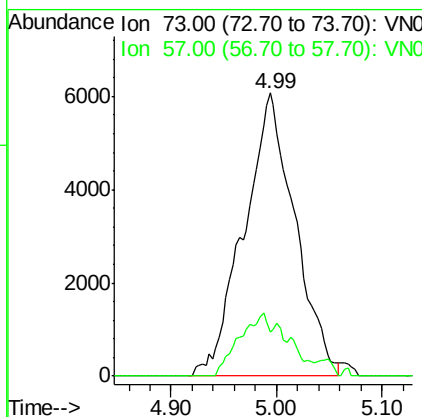
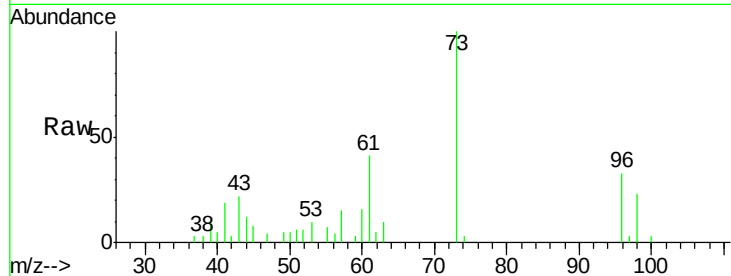
#19
Methvl tert-butvl Ether
Concen: 2.501 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

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

Tot Ion: 73 Resp: 20353
Ion Ratio Lower Upper
73 100
57 15.3 18.0 27.0#

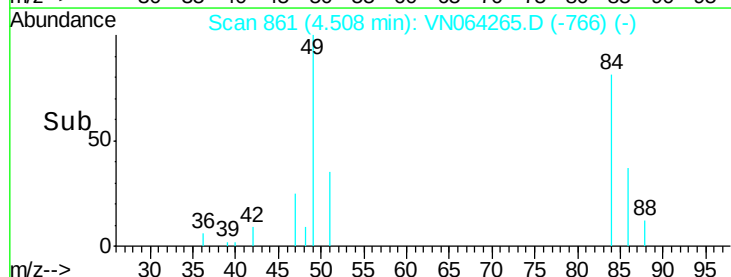
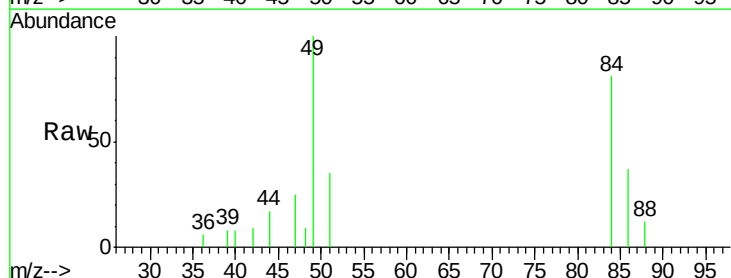
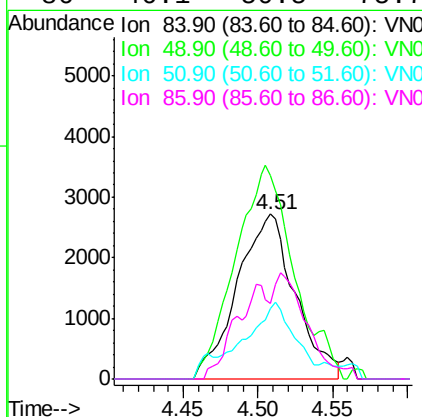
Manual Integrations
APPROVED

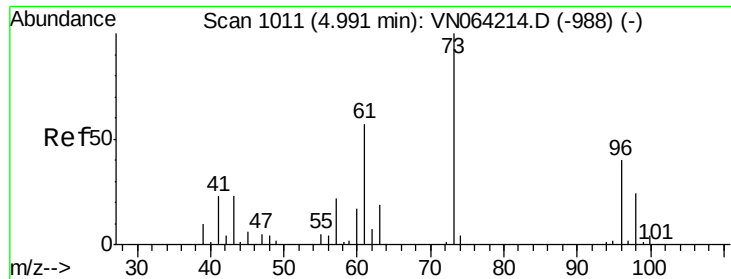
MMDadoda
10/23/2020 3:37:47 PM



#20
Methylene Chloride
Concen: 2.553 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

Tgt Ion: 84 Resp: 7307
Ion Ratio Lower Upper
84 100
49 123.5 108.5 162.7
51 42.7 33.8 50.8
86 46.1 50.5 75.7#





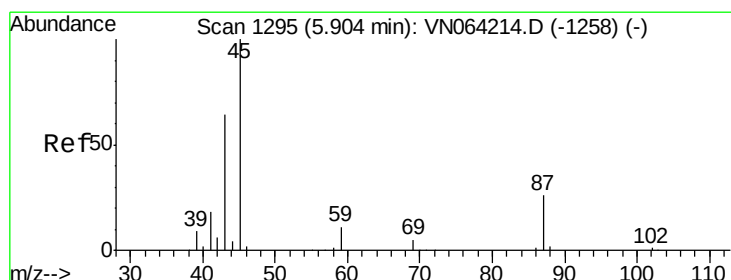
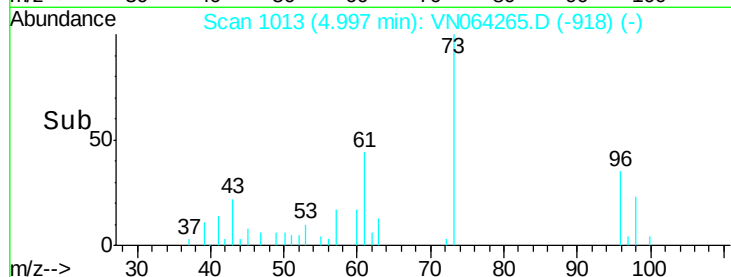
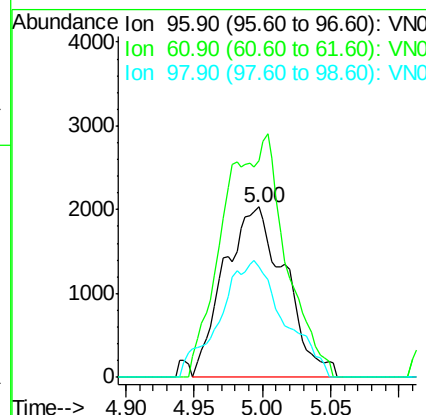
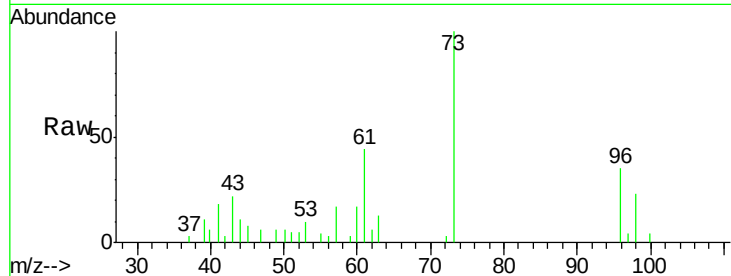
#21
trans-1,2-Dichloroethene
Concen: 2.425 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.8	115.8	173.6
98	64.8	49.4	74.0

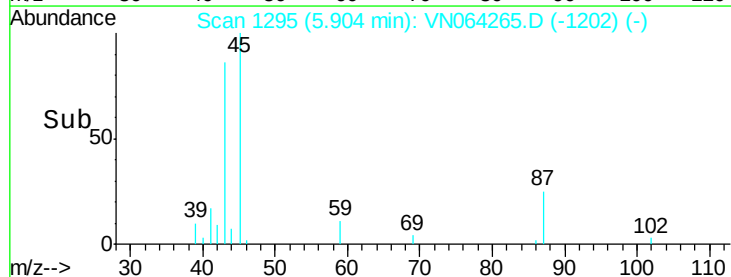
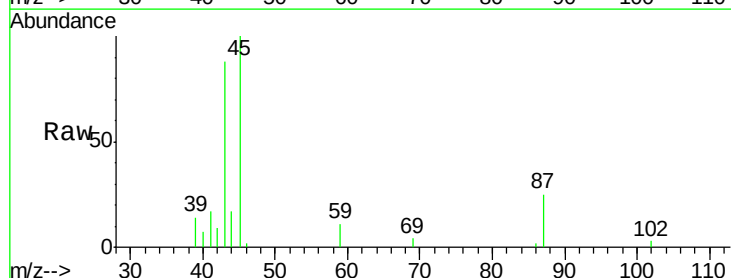
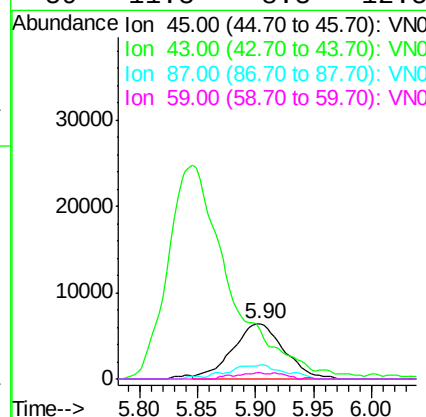
Manual Integrations
APPROVED

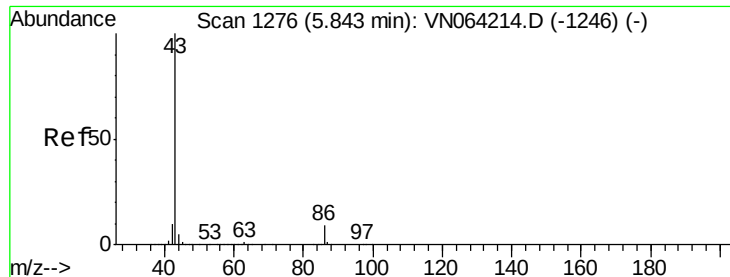
MMDadoda
10/23/2020 3:37:47 PM



#22
Diisopropyl ether
Concen: 2.247 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

Tgt Ion	Ratio	Lower	Upper
45	100		
43	77.9	52.2	78.4
87	24.8	21.4	32.0
59	11.3	8.3	12.5





#23

Vinyl Acetate

Concen: 11.578 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 90946

Ion Ratio Lower Upper

43 100

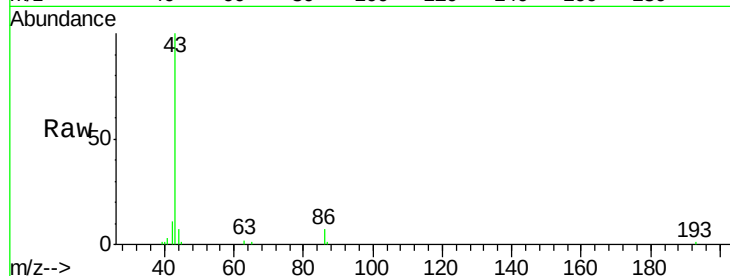
86 7.4 7.4 11.0

Manual Integrations

APPROVED

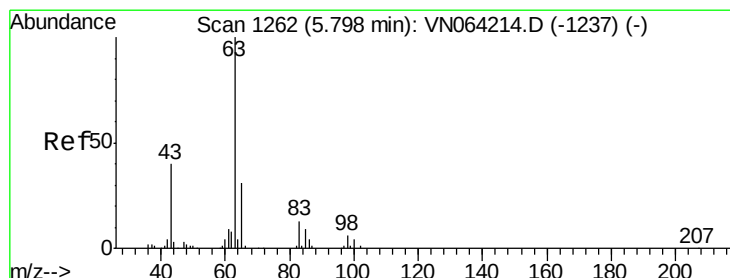
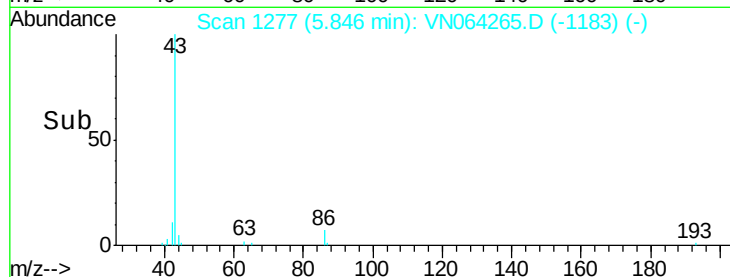
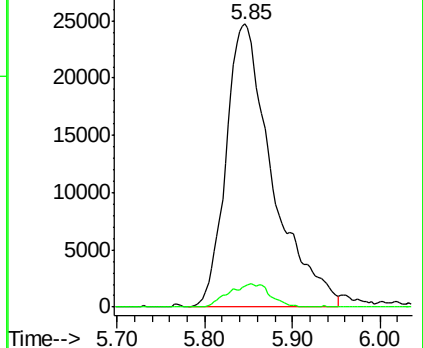
MMDadoda

10/23/2020 3:37:47 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 2.491 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

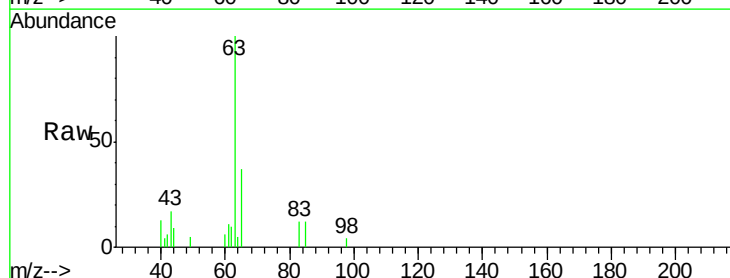
Tgt Ion: 63 Resp: 12712

Ion Ratio Lower Upper

63 100

98 4.2 2.9 8.7

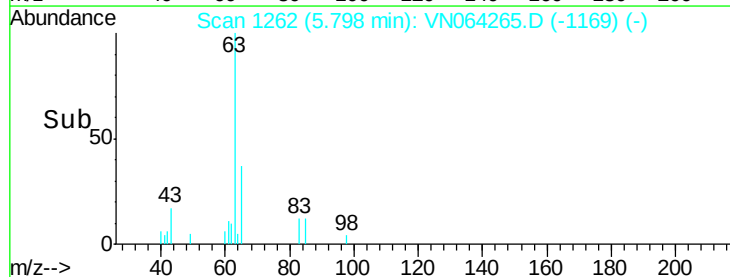
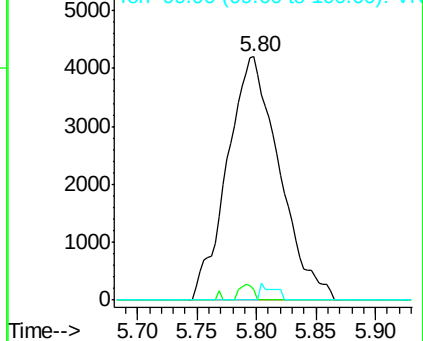
100 0.0 2.0 6.0#

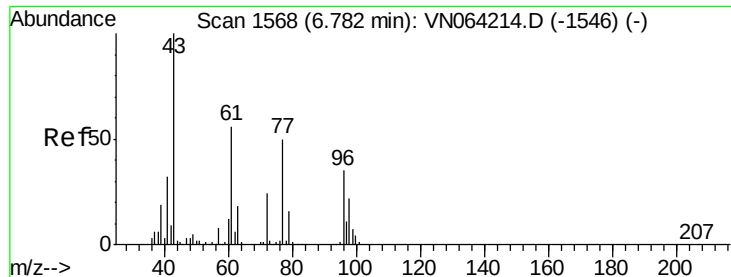


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 12.195 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 20795

Ion Ratio Lower Upper

43 100

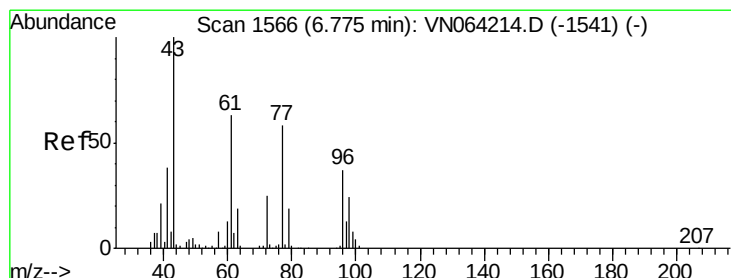
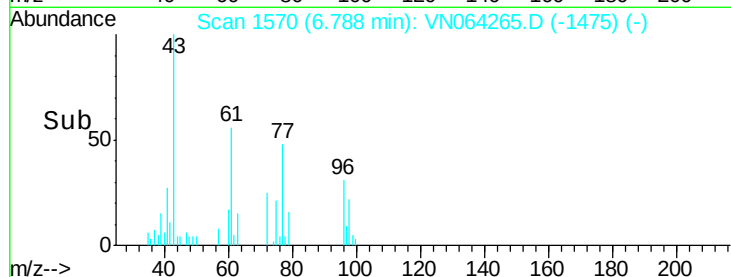
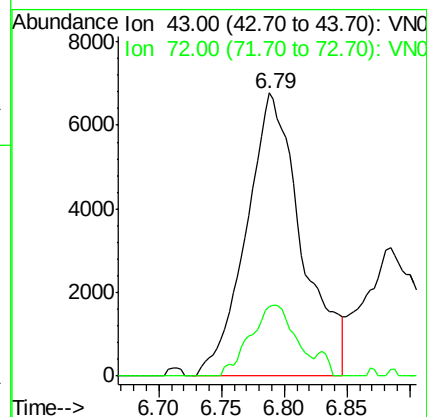
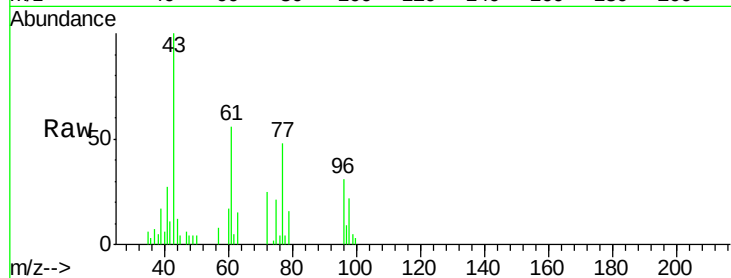
72 24.8 19.4 29.0

Manual Integrations

APPROVED

MMDadoda

10/23/2020 3:37:47 PM



#26

2,2-Dichloropropane

Concen: 2.132 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN064265.D

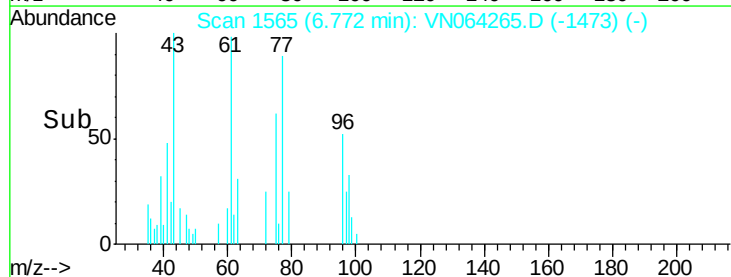
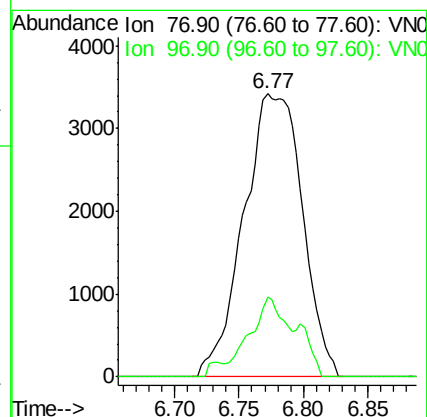
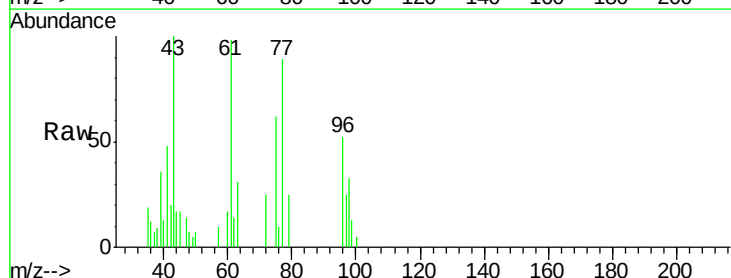
Acq: 22 Oct 2020 21:15

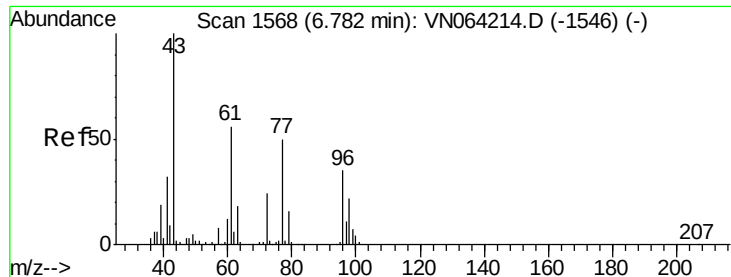
Tgt Ion: 77 Resp: 10829

Ion Ratio Lower Upper

77 100

97 12.5 10.4 31.4





#27

cis-1,2-Dichloroethene

Concen: 2.283 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN064265.D

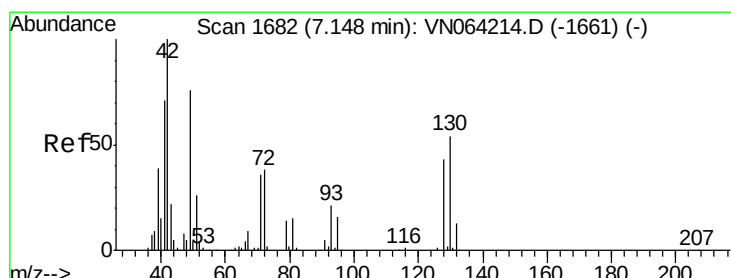
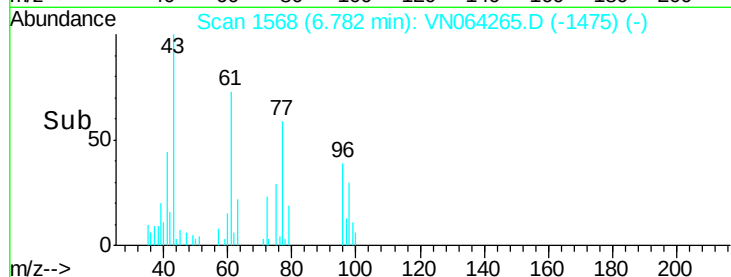
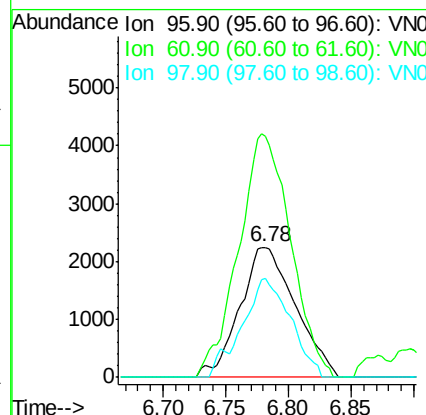
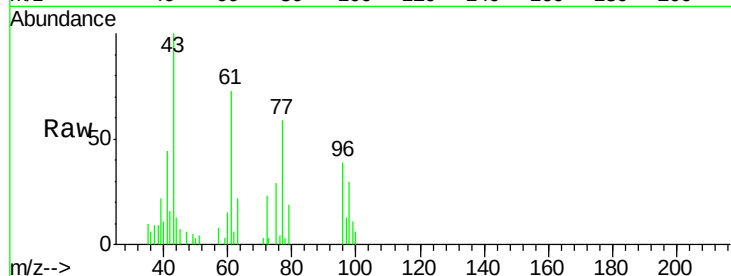
Acq: 22 Oct 2020 21:15

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	174.5	0.0	330.0
98	66.3	0.0	130.6

Manual Integrations
APPROVED

MMDadoda
10/23/2020 3:37:47 PM



#28

Bromochloromethane

Concen: 2.612 ug/l

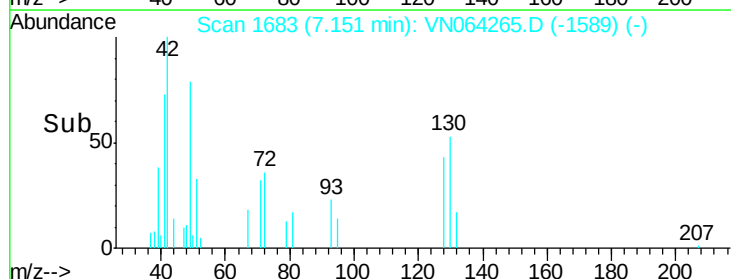
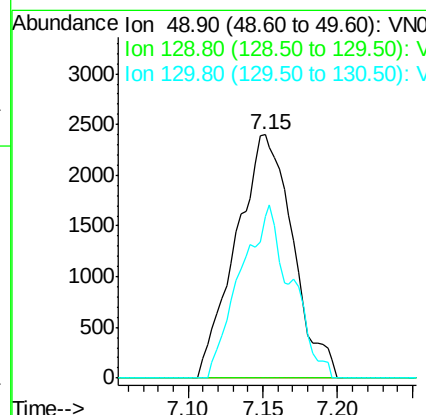
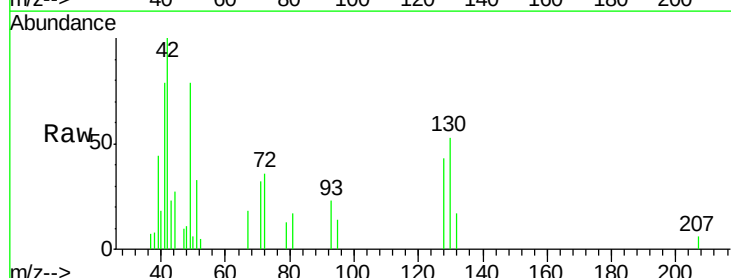
RT: 7.15 min Scan# 1683

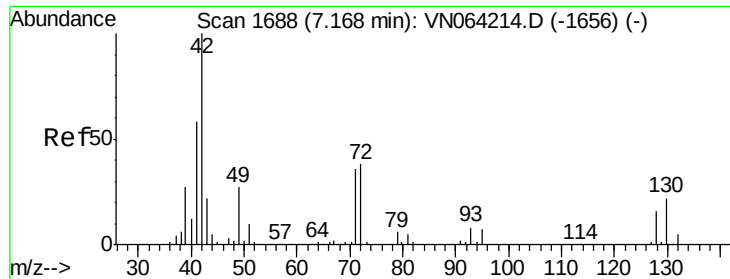
Delta R.T. 0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.8
130	63.8	58.8	88.2





#29

Tetrahydrofuran

Concen: 13.800 ug/l

RT: 7.17 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

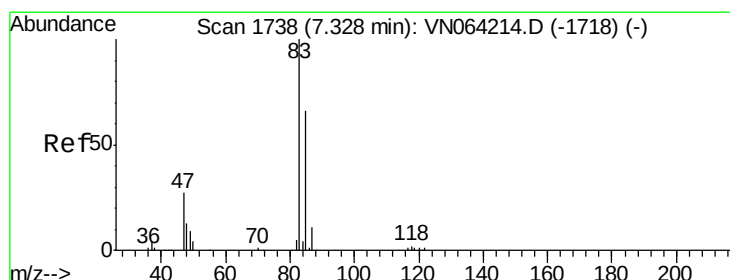
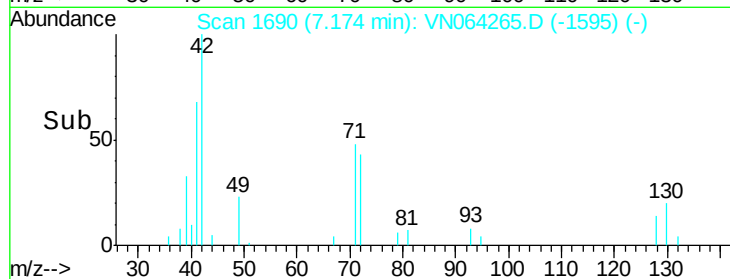
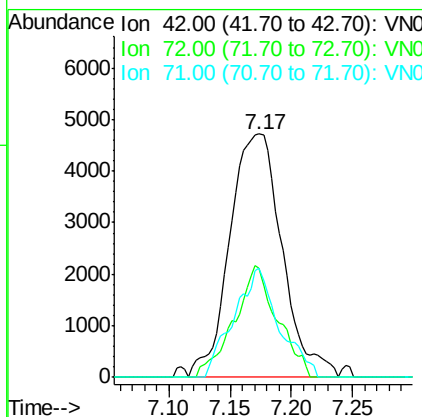
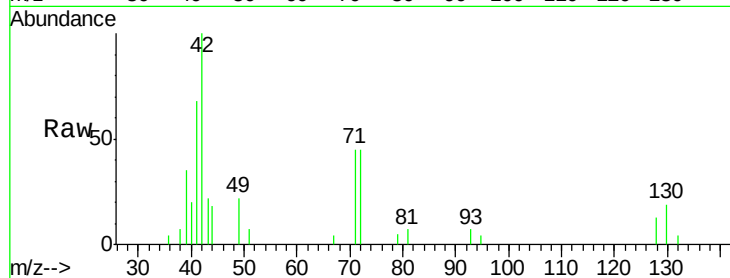
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	42	Resp:	14076
Ion Ratio		Lower	Upper
42	100		
72	37.5	30.8	46.2
71	38.8	29.0	43.6

Manual Integrations
APPROVED

MMDadoda
10/23/2020 3:37:47 PM



#30

Chloroform

Concen: 2.458 ug/l m

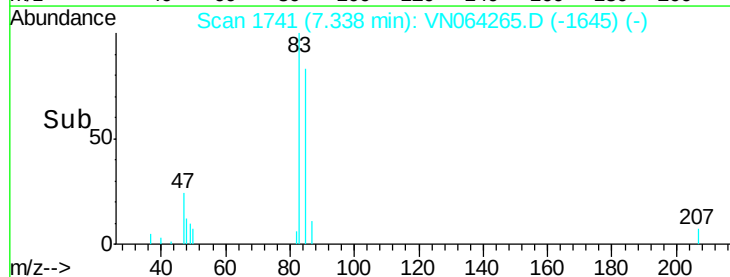
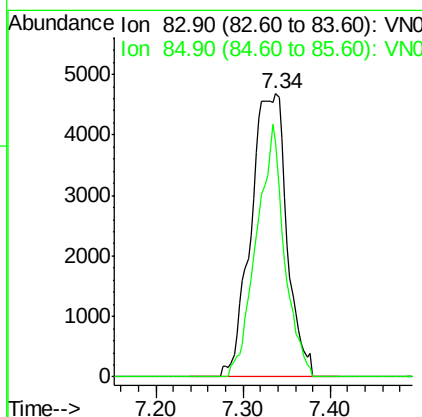
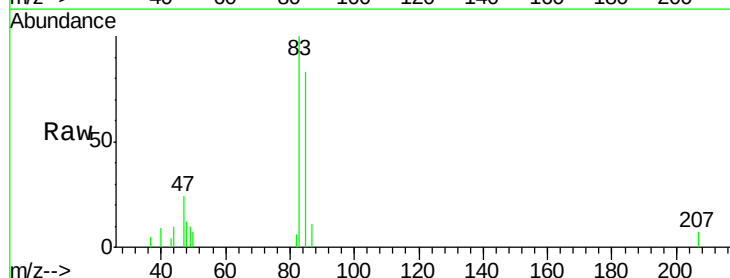
RT: 7.34 min Scan# 1741

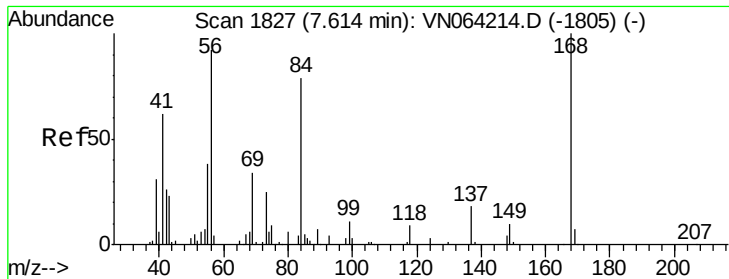
Delta R.T. 0.01 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Tgt Ion:	83	Resp:	13378
Ion Ratio		Lower	Upper
83	100		
85	82.9	52.5	78.7#





#31

Cyclohexane

Concen: 3.446 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

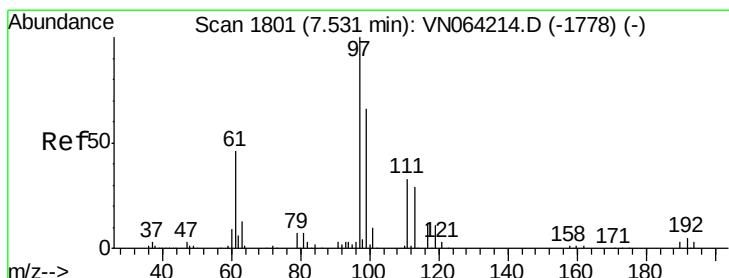
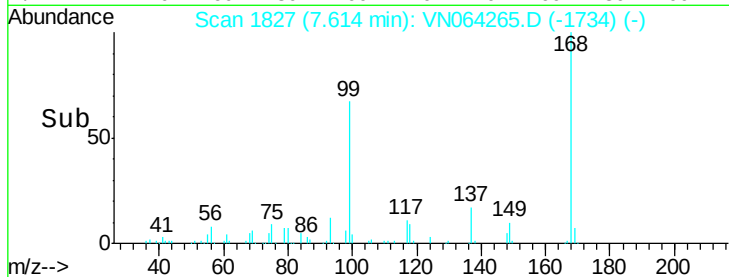
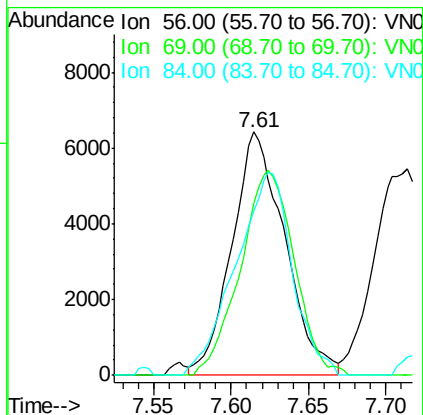
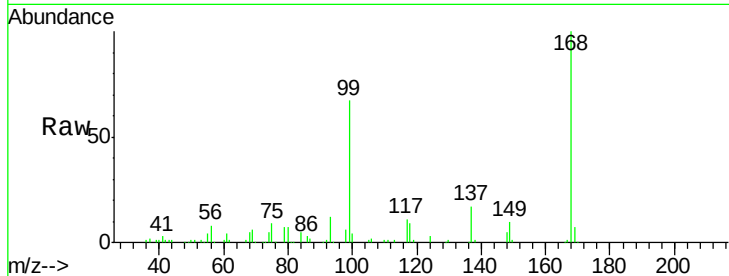
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	56	Resp:	15322
Ion Ratio	Lower	Upper	
56	100		
69	72.9	29.8	44.6#
84	69.5	68.1	102.1

Manual Integrations
APPROVED

MMDadoda
10/23/2020 3:37:47 PM



#32

1,1,1-Trichloroethane

Concen: 2.462 ug/l

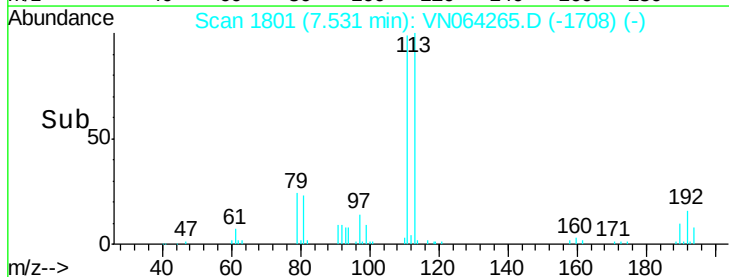
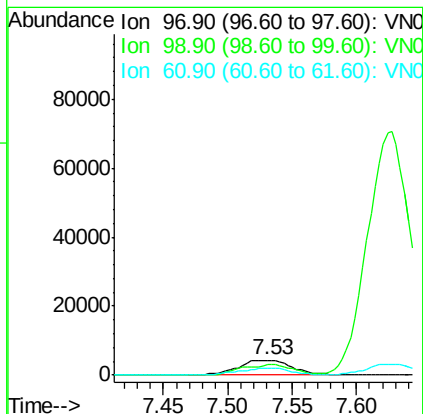
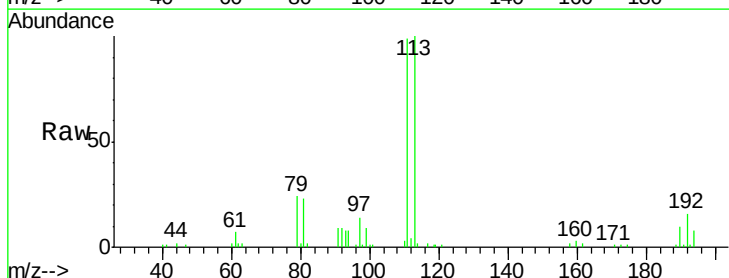
RT: 7.53 min Scan# 1801

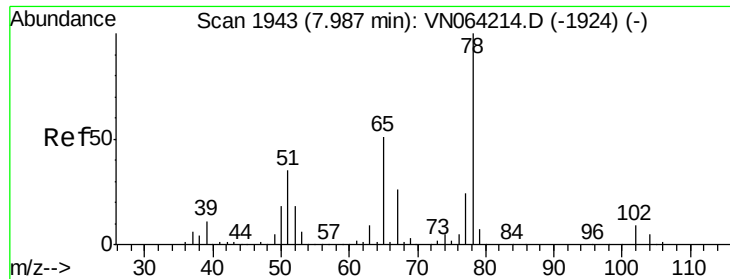
Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Tgt Ion:	97	Resp:	12554
Ion Ratio	Lower	Upper	
97	100		
99	67.9	51.2	76.8
61	44.6	36.3	54.5





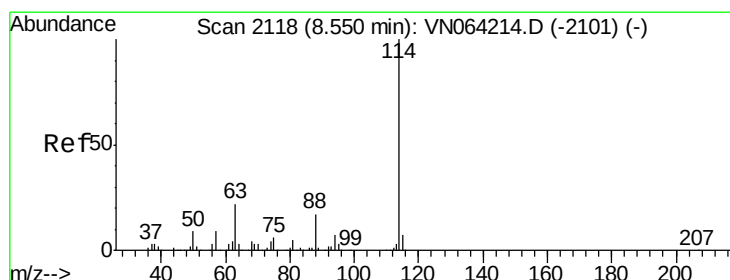
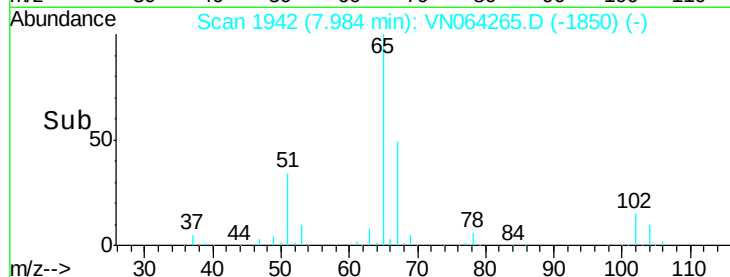
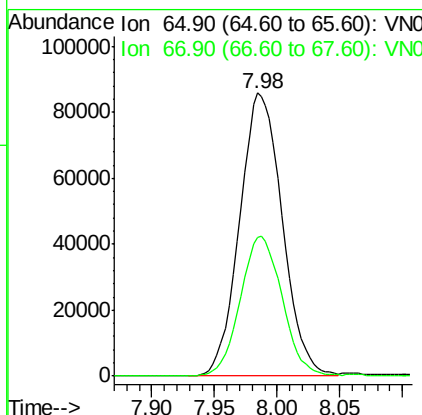
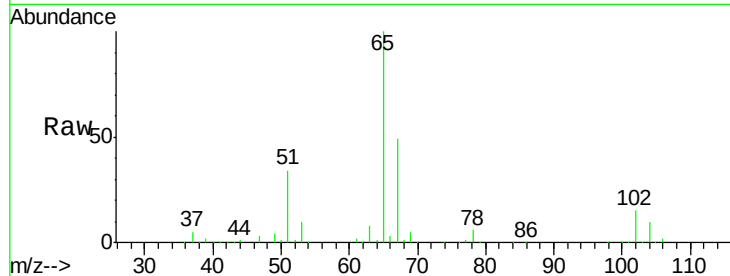
#33
 1,2-Dichloroethane-d4
 Concen: 54.179 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064265.D
 Acq: 22 Oct 2020 21:15

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

Tot Ion	Ratio	Resp	Lower	Upper
65	100	203235		
67	48.5	0.0	100.2	

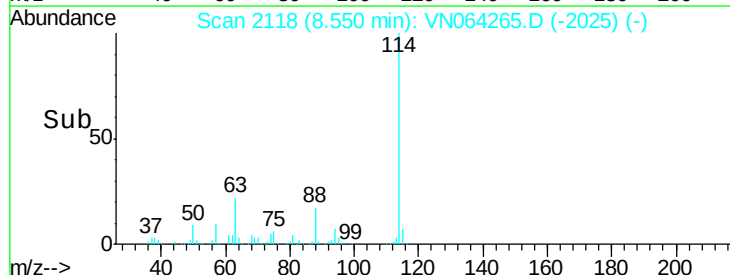
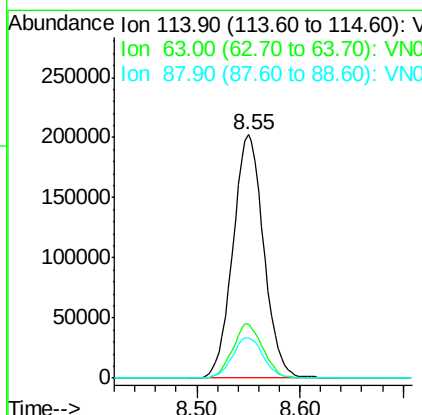
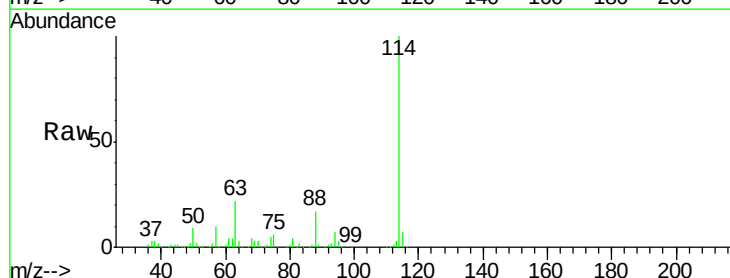
Manual Integrations
 APPROVED

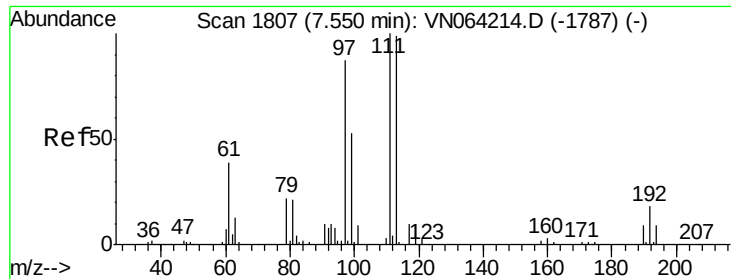
MMDadoda
 10/23/2020 3:37:47 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064265.D
 Acq: 22 Oct 2020 21:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	419787		
63	22.3	0.0	44.0	
88	16.6	0.0	34.2	





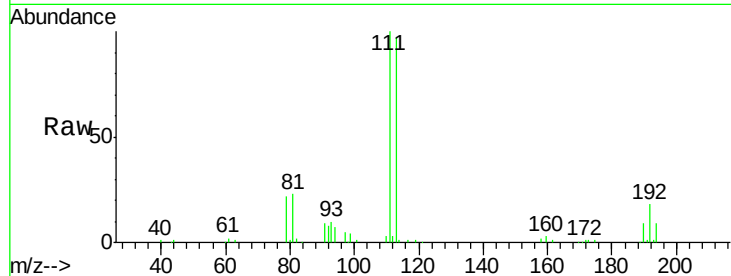
#35
Dibromofluoromethane
Concen: 49.718 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

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

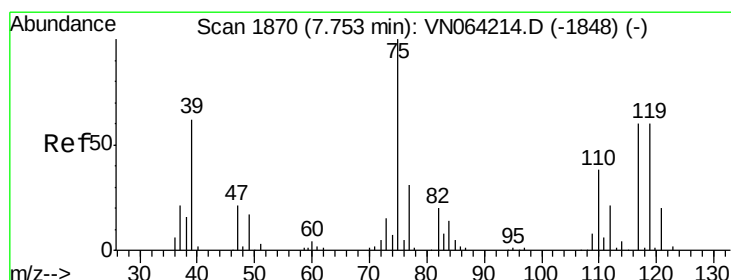
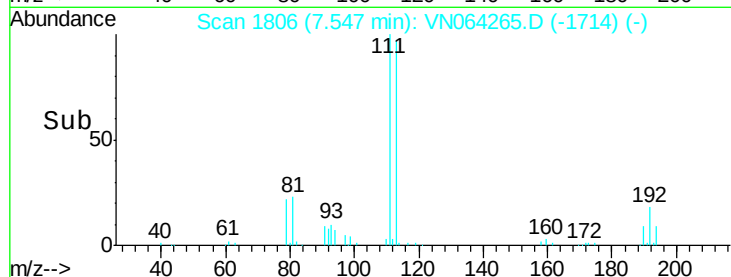
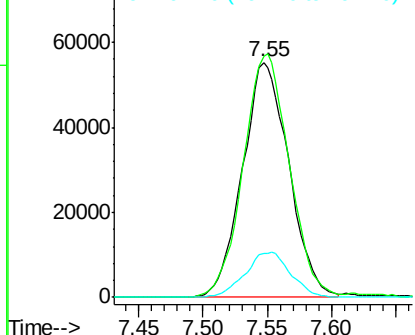
Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.5	84.2	126.2	
192	18.8	15.2	22.8	

Manual Integrations
APPROVED

MMDadoda
10/23/2020 3:37:47 PM

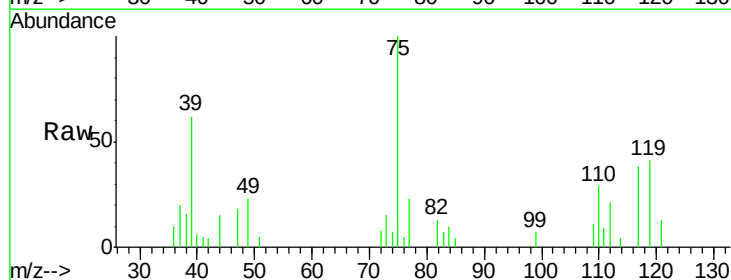


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

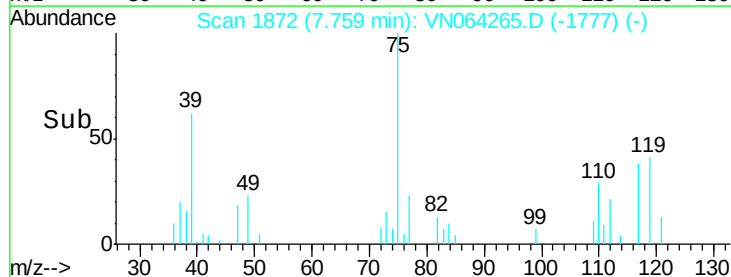
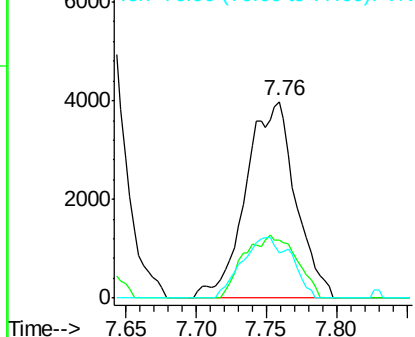


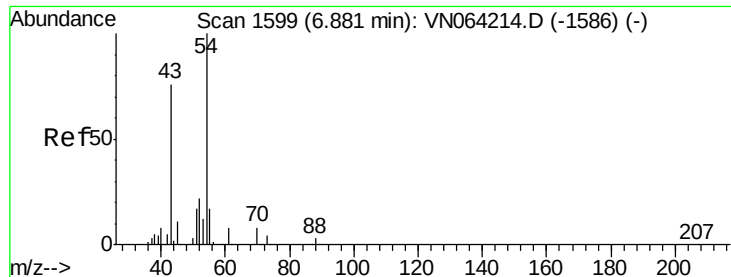
#36
1,1-Dichloropropene
Concen: 2.340 ug/l
RT: 7.76 min Scan# 1872
Delta R.T. 0.01 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.9	17.2	51.6	
77	30.7	24.9	37.3	



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





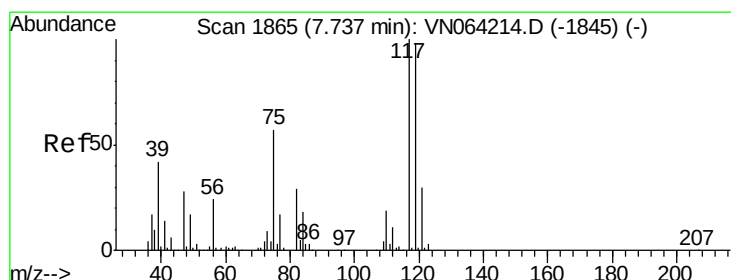
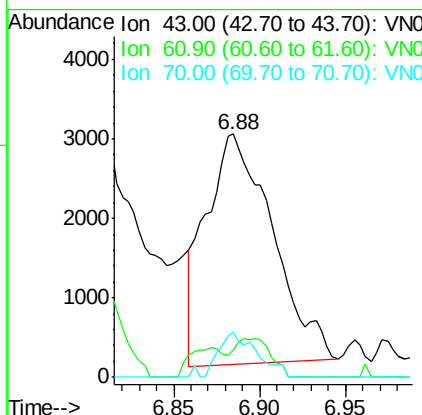
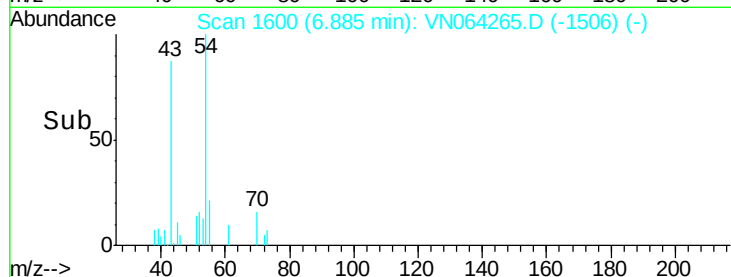
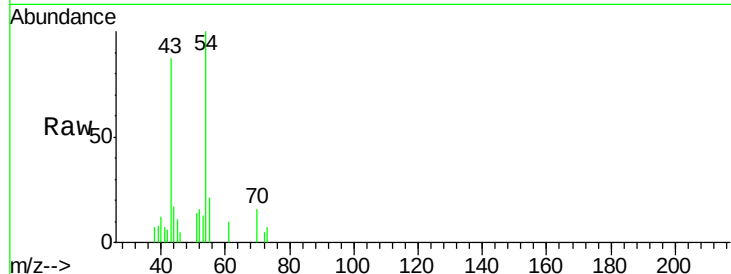
#37
Ethyl Acetate
Concen: 2.059 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

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

Tot Ion	Ratio	Resp	Lower	Upper
43	100	7825		
61	9.1		10.0	15.0#
70	11.3		7.5	11.3

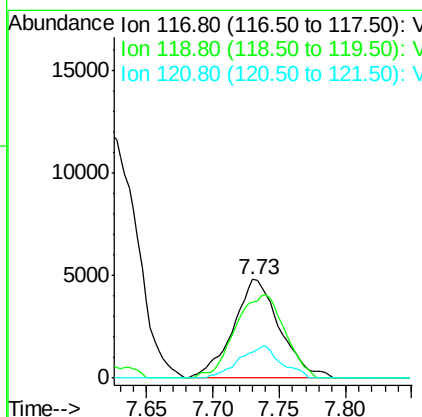
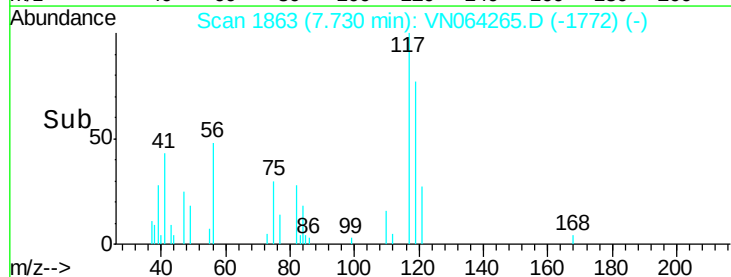
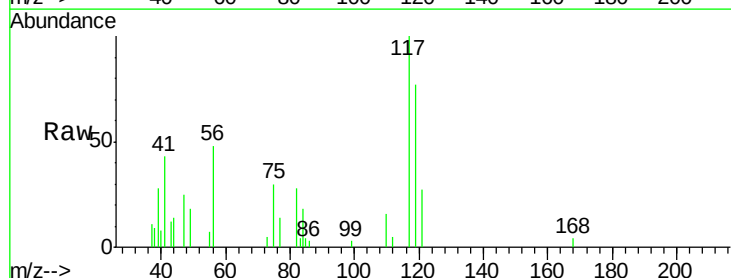
Manual Integrations
APPROVED

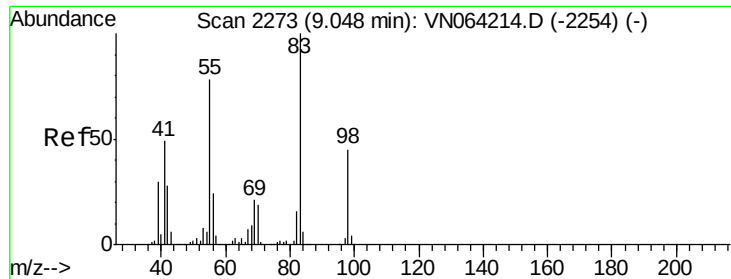
MMDadoda
10/23/2020 3:37:47 PM



#38
Carbon Tetrachloride
Concen: 2.474 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.01 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	11779		
119	76.9		78.5	117.7#
121	26.7		24.3	36.5





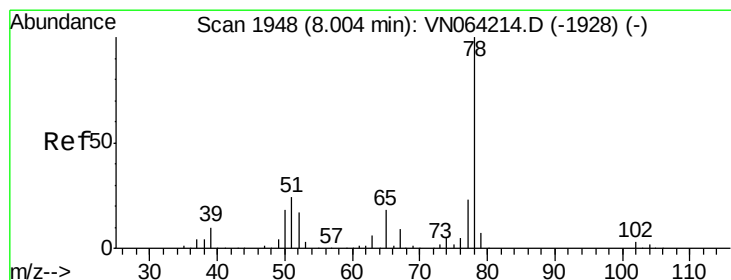
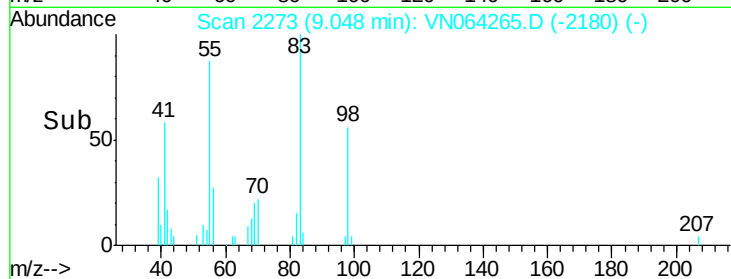
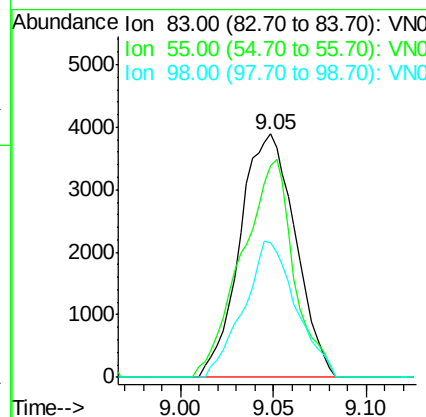
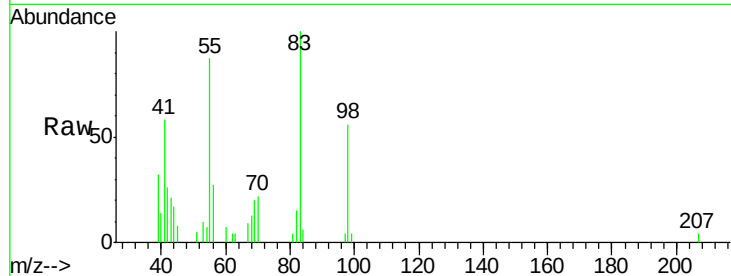
#39
Methylvlcyclohexane
Concen: 2.129 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

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

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.7	62.2	93.2
98	55.6	35.9	53.9#

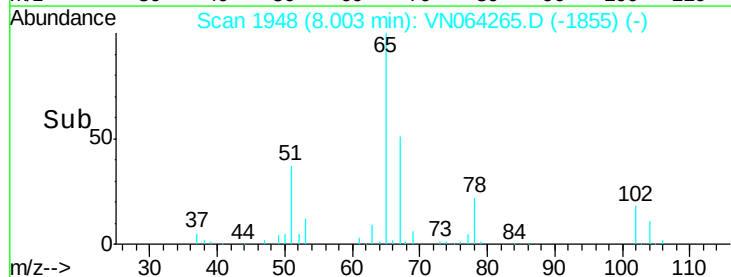
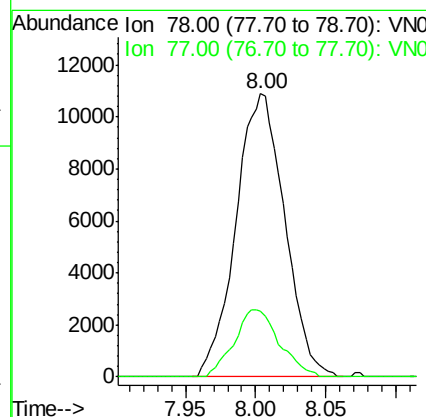
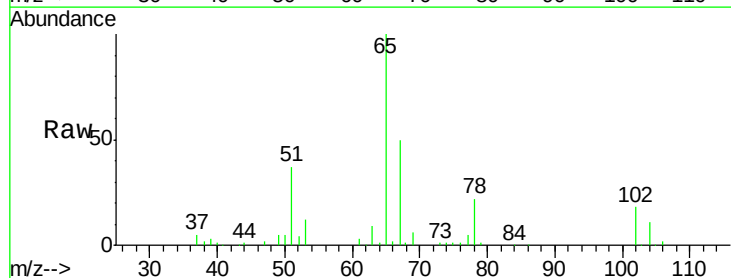
Manual Integrations
APPROVED

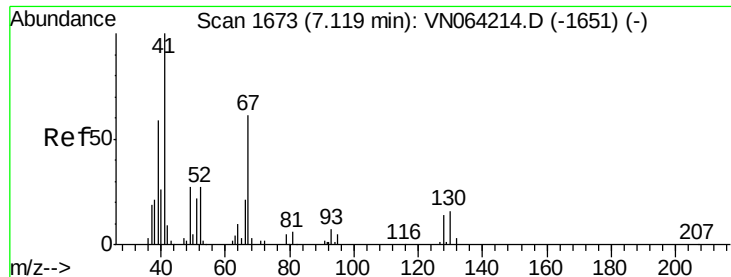
MMDadoda
10/23/2020 3:37:47 PM



#40
Benzene
Concen: 2.279 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.3	27.5





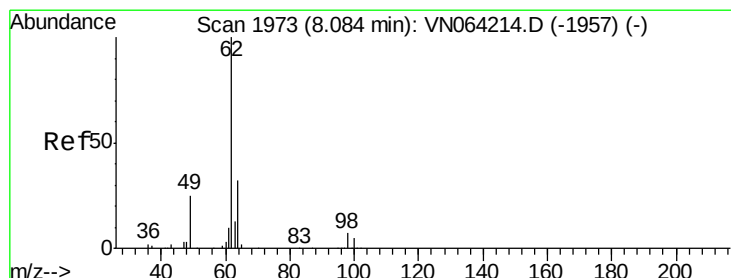
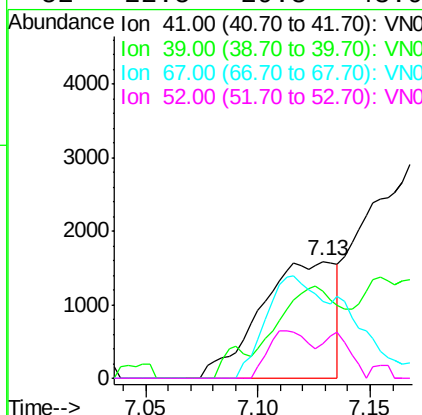
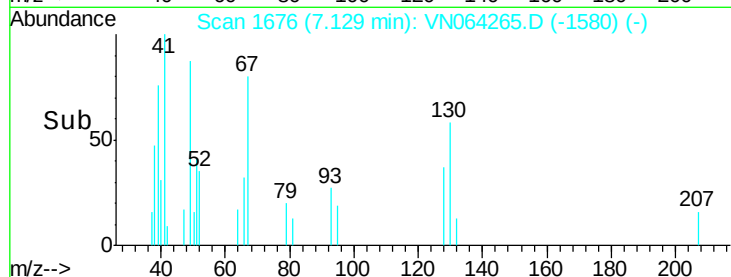
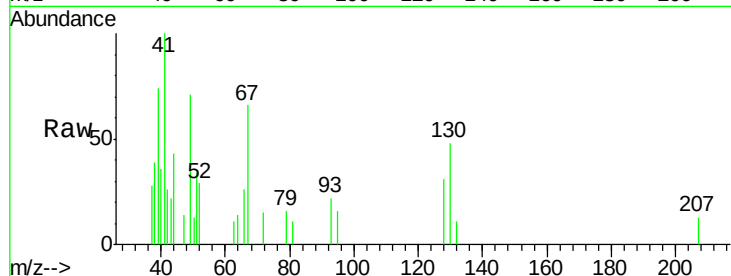
#41
Methacrylonitrile
Concen: 1.872 ug/l m
RT: 7.13 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

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

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	0.0	50.5	75.7#	
67	99.0	63.2	94.8#	
52	22.5	29.3	43.9#	

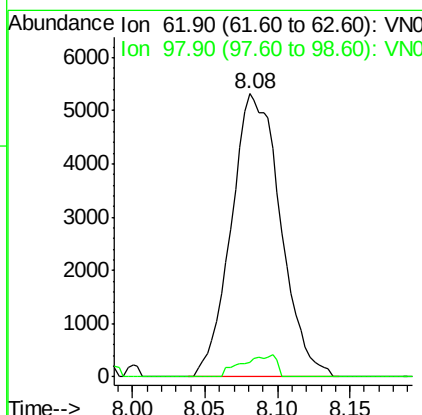
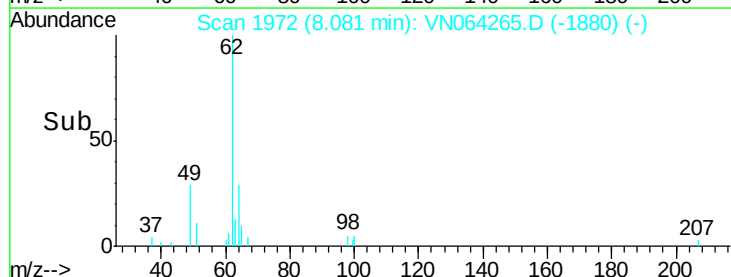
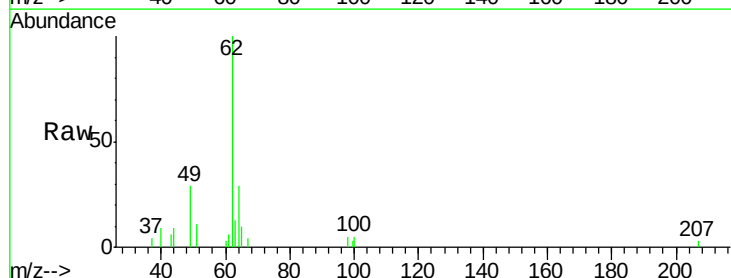
Manual Integrations
APPROVED

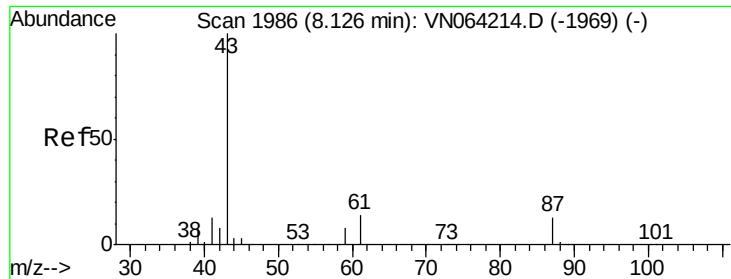
MMDadoda
10/23/2020 3:37:47 PM



#42
1,2-Dichloroethane
Concen: 2.541 ug/l
RT: 8.08 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	5.4	0.0	15.0	





#43

Isopropyl Acetate

Concen: 2.552 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

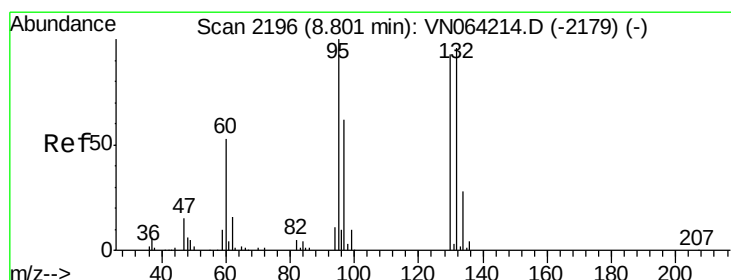
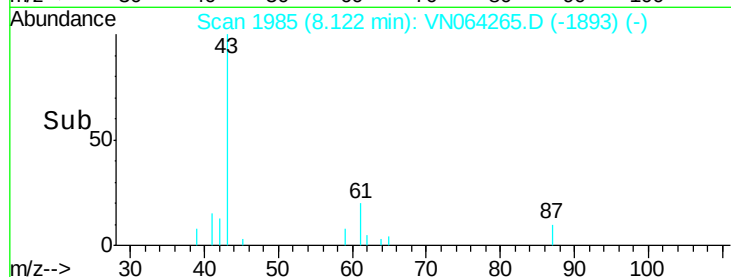
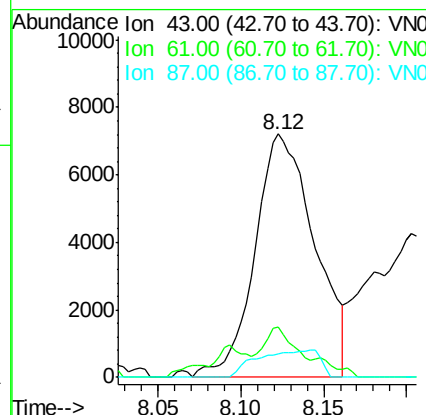
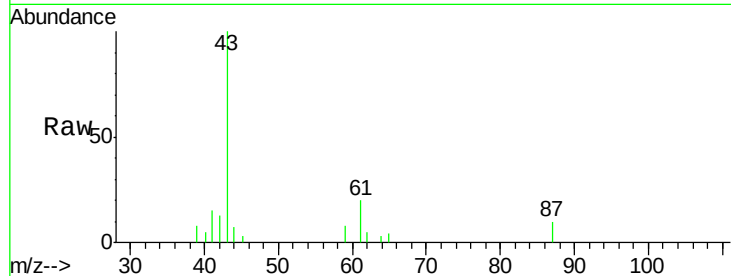
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	43	Resp:	18072
Ion Ratio	Lower	Upper	
43	100		
61	6.6	19.6	29.4#
87	11.7	9.8	14.6

Manual Integrations
APPROVED

MMDadoda
10/23/2020 3:37:47 PM



#44

Trichloroethene

Concen: 2.418 ug/l

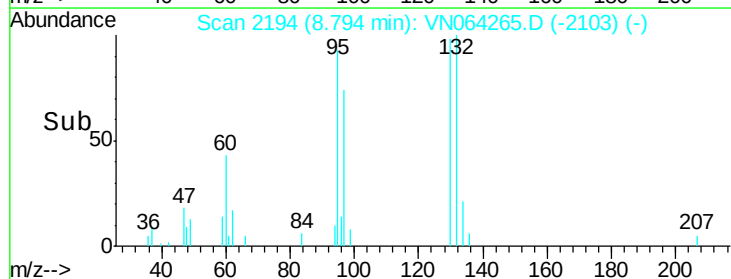
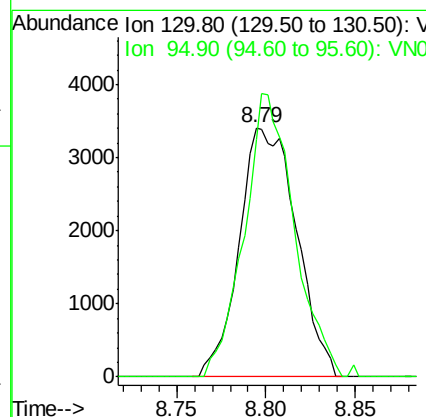
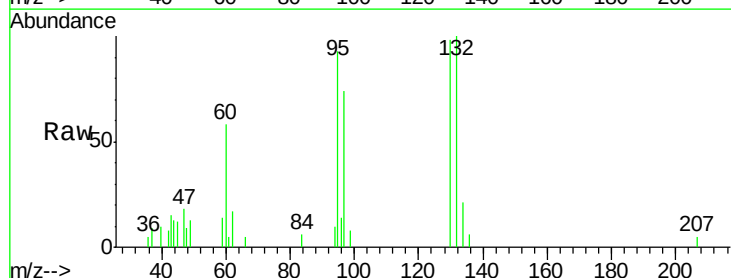
RT: 8.79 min Scan# 2194

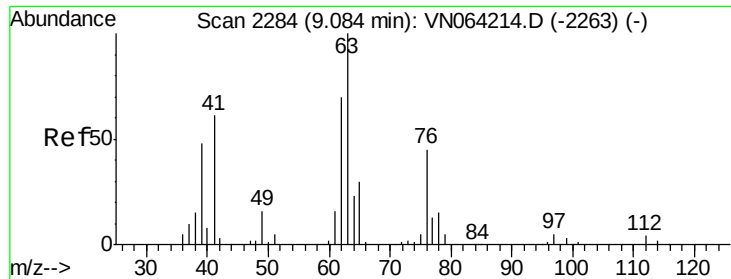
Delta R.T. -0.01 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Tgt Ion:	130	Resp:	7613
Ion Ratio	Lower	Upper	
130	100		
95	95.1	0.0	214.0





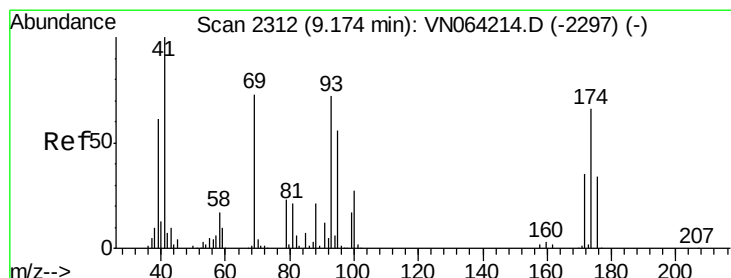
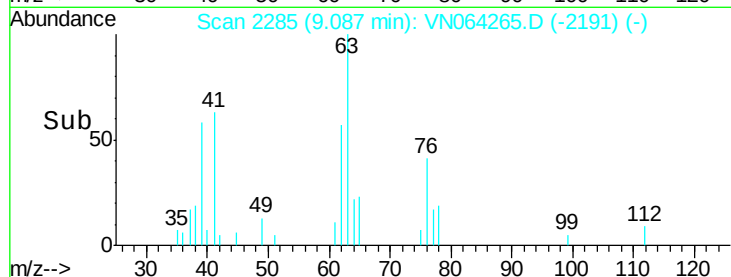
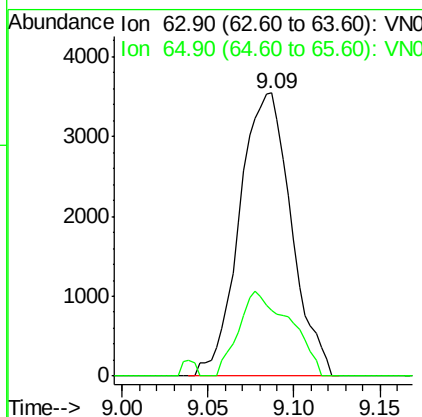
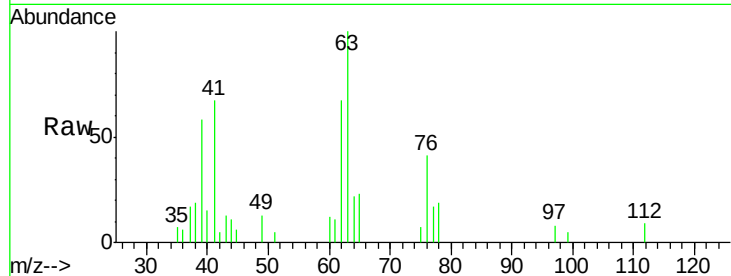
#45
 1,2-Dichloropropane
 Concen: 2.401 ug/l
 RT: 9.09 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN064265.D
 Acq: 22 Oct 2020 21:15

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

Tot Ion: 63 Resp: 7404
 Ion Ratio Lower Upper
 63 100
 65 23.1 24.0 36.0#

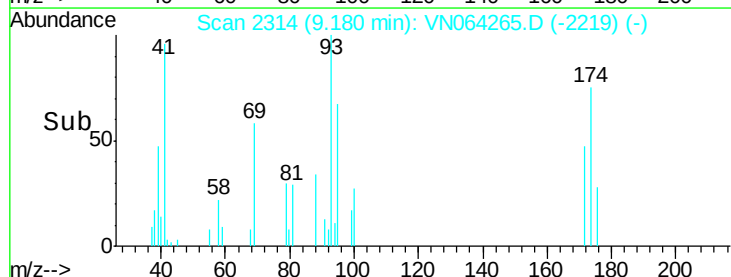
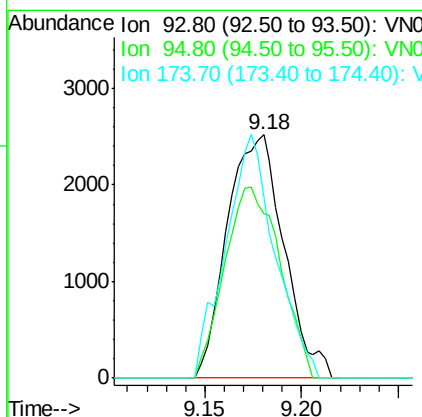
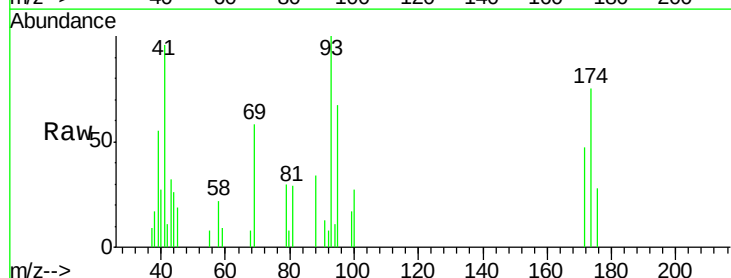
Manual Integrations
 APPROVED

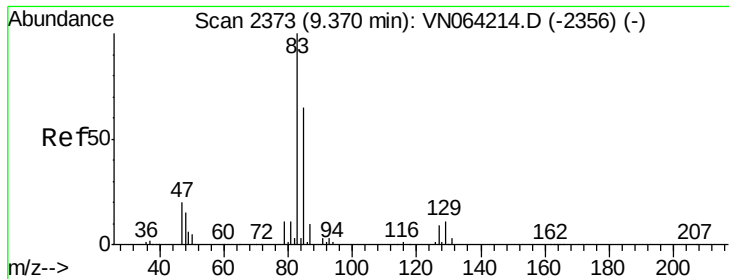
MMDadoda
 10/23/2020 3:37:47 PM



#46
 Dibromomethane
 Concen: 2.474 ug/l
 RT: 9.18 min Scan# 2314
 Delta R.T. 0.01 min
 Lab File: VN064265.D
 Acq: 22 Oct 2020 21:15

Tgt Ion: 93 Resp: 5123
 Ion Ratio Lower Upper
 93 100
 95 77.2 63.0 94.4
 174 87.4 72.9 109.3





#47

Bromodichloromethane

Concen: 2.335 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

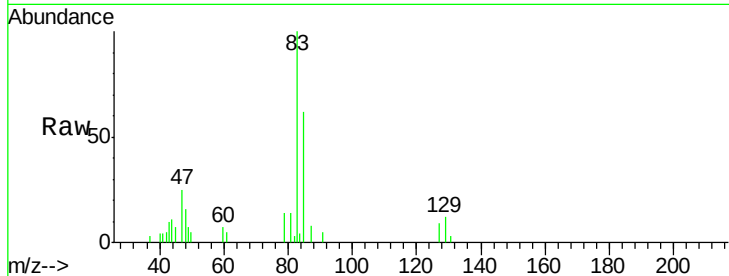
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

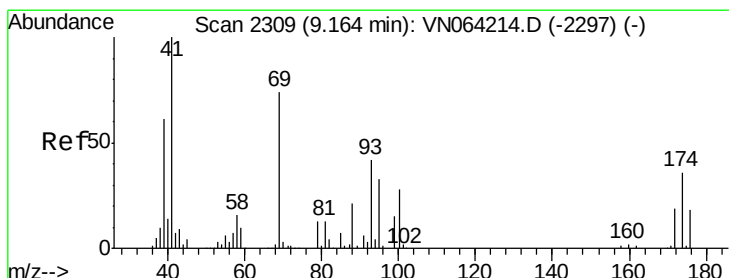
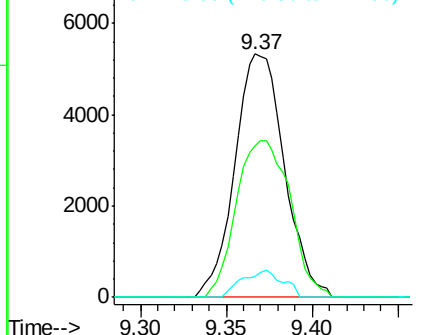
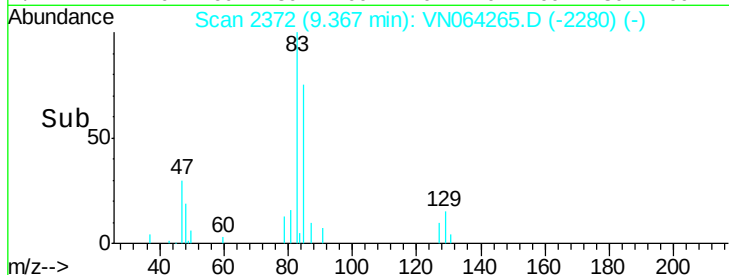
Tot Ion:	83	Resp:	10683
Ion Ratio	Lower	Upper	
83	100		
85	62.5	51.8	77.8
127	8.7	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
10/23/2020 3:37:47 PM



Abundance Ion 82.90 (82.60 to 83.60): VN064265.D (-2280) (-)



#48

Methyl methacrylate

Concen: 2.418 ug/l

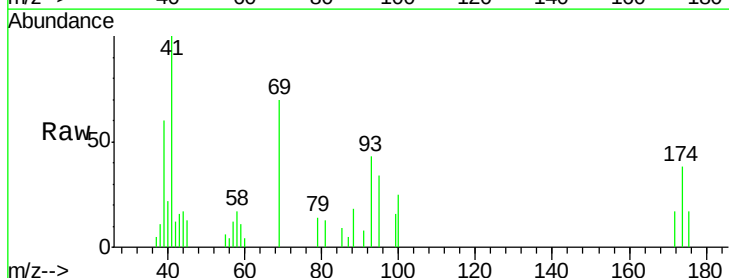
RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

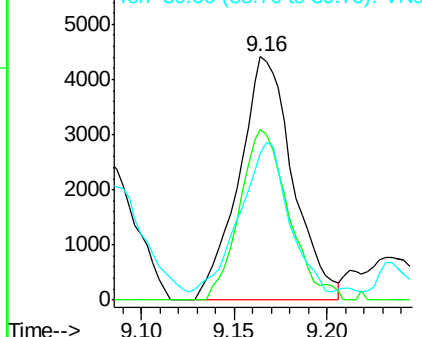
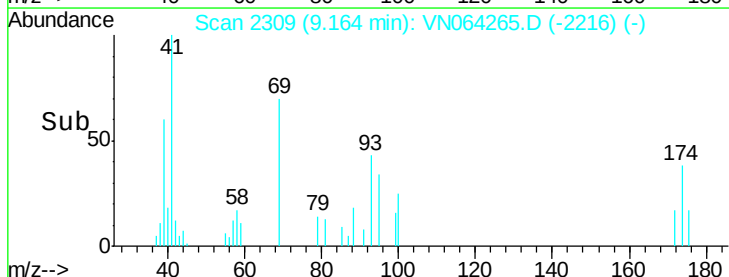
Lab File: VN064265.D

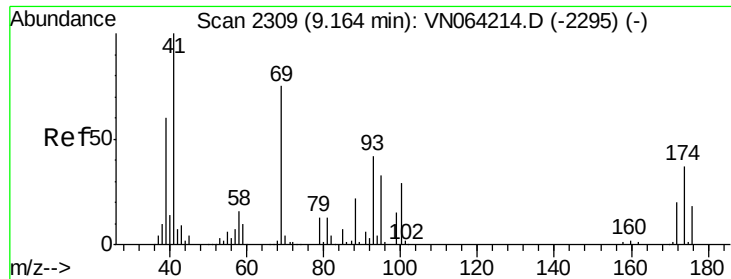
Acq: 22 Oct 2020 21:15

Tgt Ion:	41	Resp:	8944
Ion Ratio	Lower	Upper	
41	100		
69	63.6	57.3	85.9
39	56.2	48.6	73.0



Abundance Ion 41.00 (40.70 to 41.70): VN064265.D (-2216) (-)





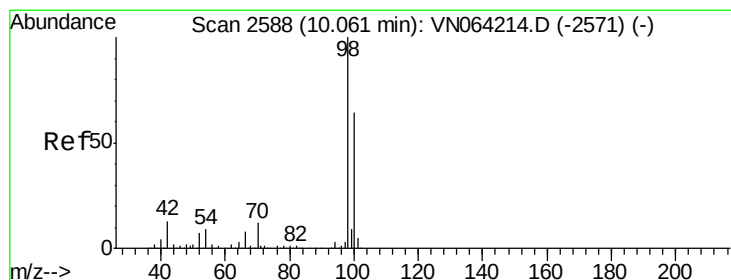
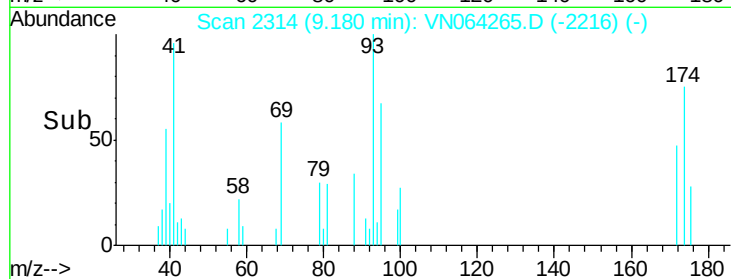
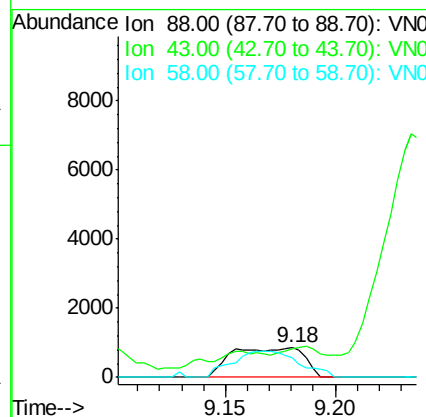
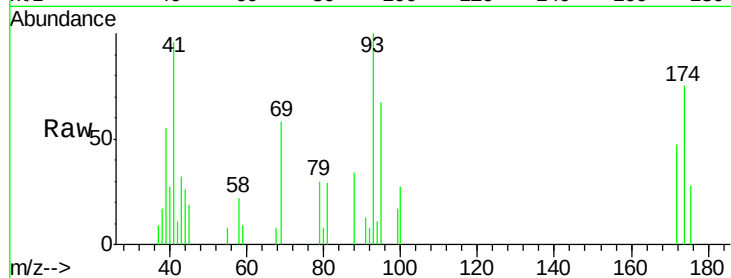
#49
 1,4-Dioxane
 Concen: 45.075 ug/l m
 RT: 9.18 min Scan# 2314
 Delta R.T. 0.02 min
 Lab File: VN064265.D
 Acq: 22 Oct 2020 21:15

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

Tot Ion	88	Resp	1951
Ion	Ratio	Lower	Upper
88	100		
43	0.0	34.6	52.0#
58	82.3	59.0	88.6

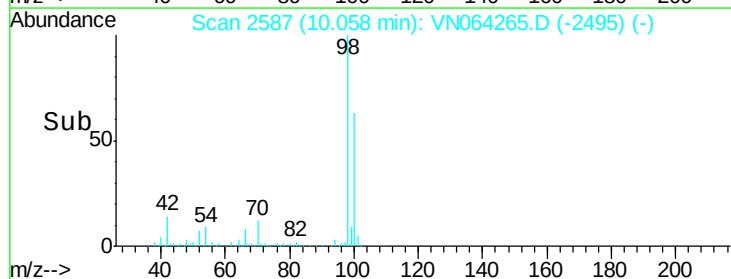
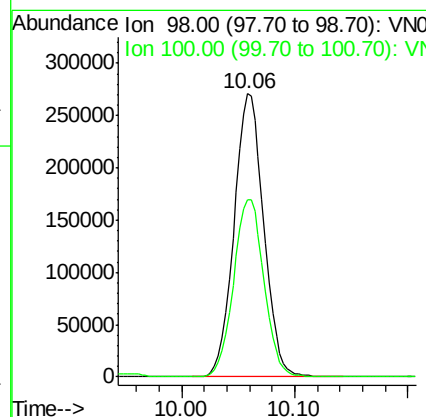
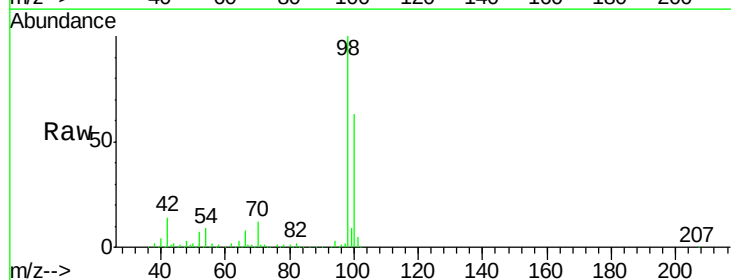
Manual Integrations
 APPROVED

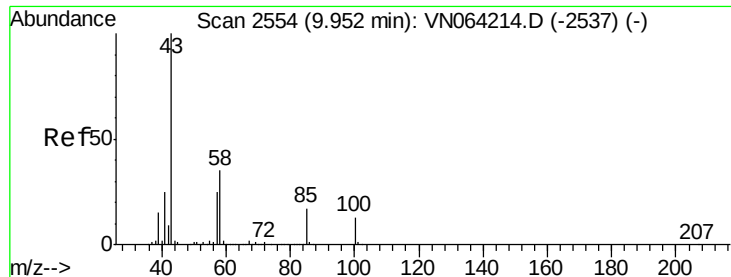
MMDadoda
 10/23/2020 3:37:47 PM



#50
 Toluene-d8
 Concen: 48.695 ug/l
 RT: 10.06 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN064265.D
 Acq: 22 Oct 2020 21:15

Tgt Ion	98	Resp	492993
Ion	Ratio	Lower	Upper
98	100		
100	64.3	50.8	76.2





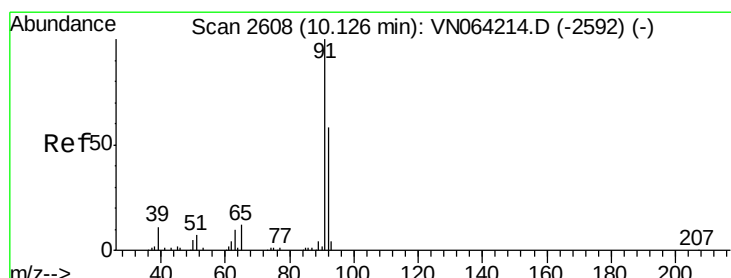
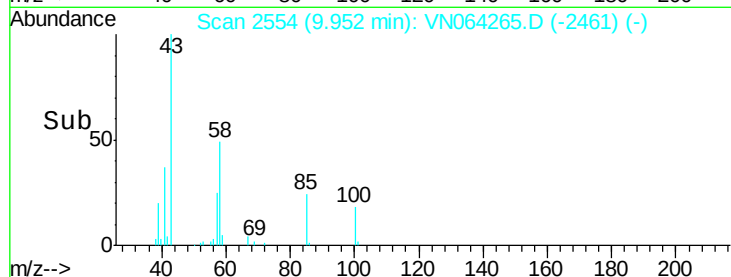
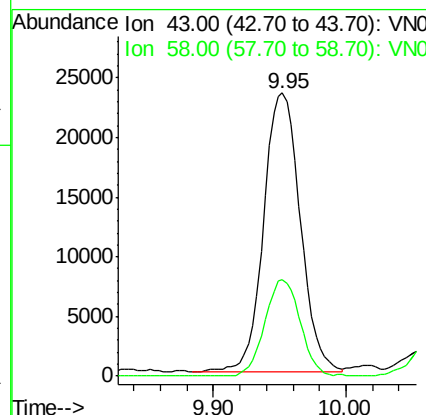
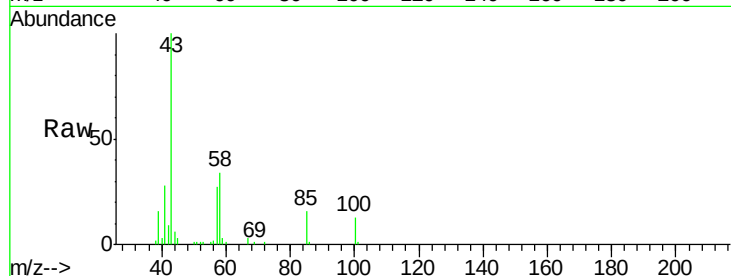
#51
4-Methyl-2-Pentanone
Concen: 11.911 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

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

Tot Ion: 43 Resp: 45078
Ion Ratio Lower Upper
43 100
58 33.2 28.6 42.8

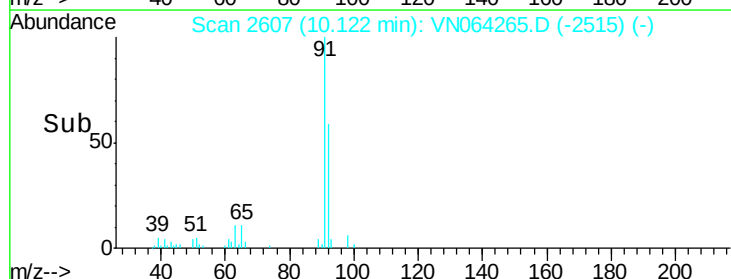
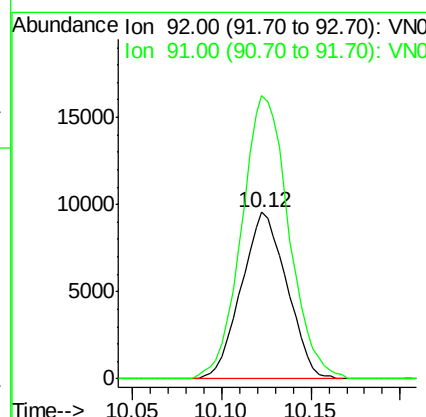
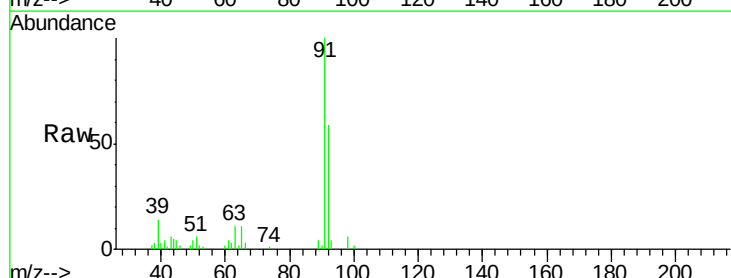
Manual Integrations
APPROVED

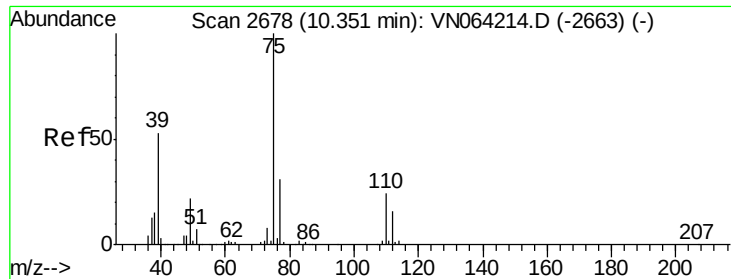
MMDadoda
10/23/2020 3:37:47 PM



#52
Toluene
Concen: 2.299 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

Tgt Ion: 92 Resp: 16991
Ion Ratio Lower Upper
92 100
91 175.9 137.4 206.2





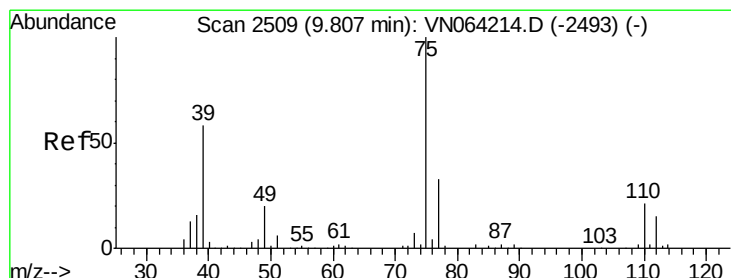
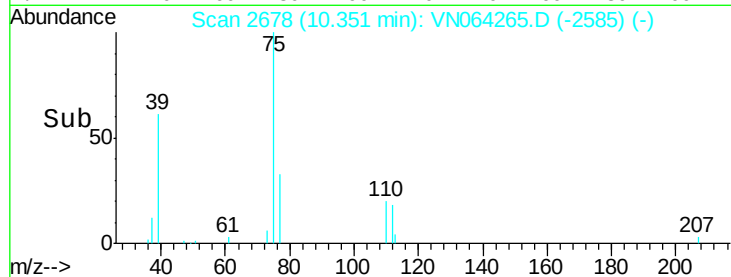
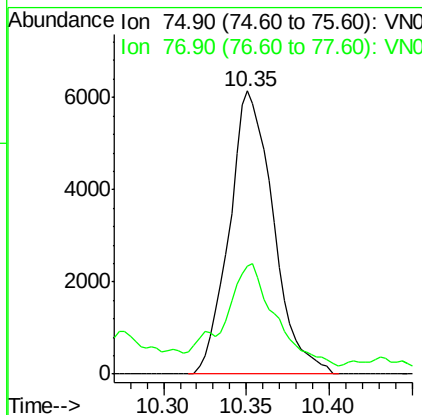
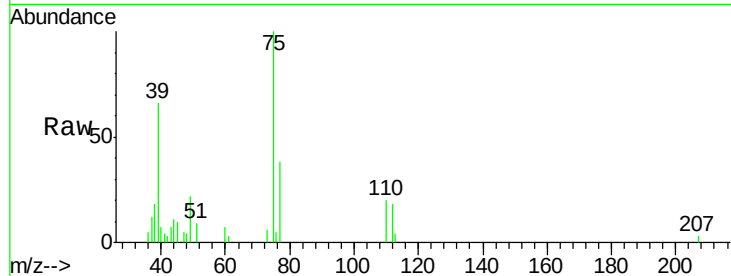
#53
t-1,3-Dichloropropene
Concen: 2.239 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

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

Tot Ion: 75 Resp: 11382
Ion Ratio Lower Upper
75 100
77 35.5 25.4 38.2

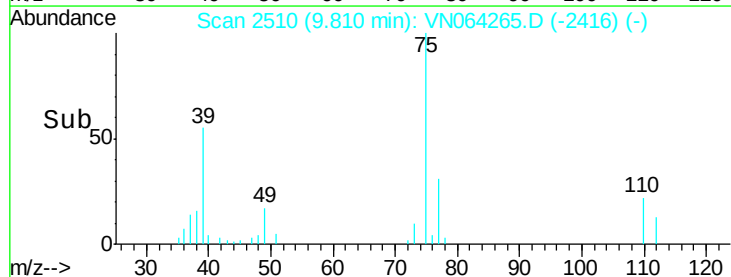
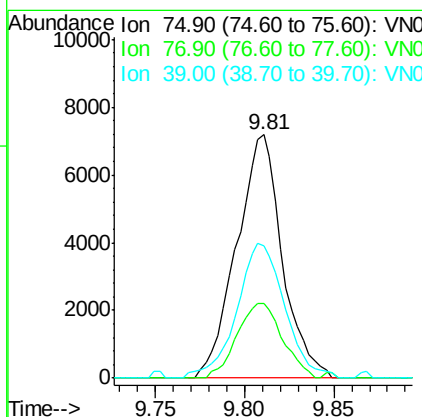
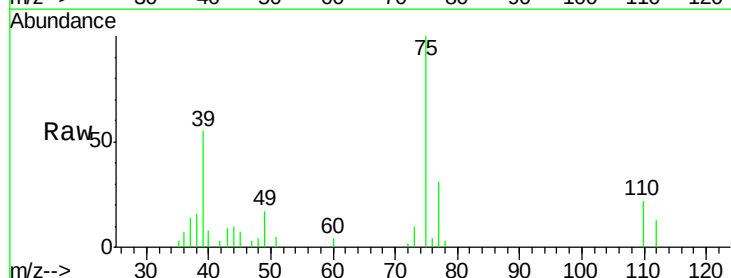
Manual Integrations
APPROVED

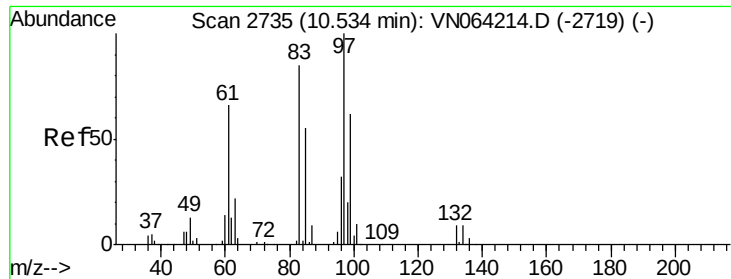
MMDadoda
10/23/2020 3:37:47 PM



#54
cis-1,3-Dichloropropene
Concen: 2.389 ug/l
RT: 9.81 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

Tgt Ion: 75 Resp: 12786
Ion Ratio Lower Upper
75 100
77 30.8 26.6 39.8
39 54.5 46.7 70.1





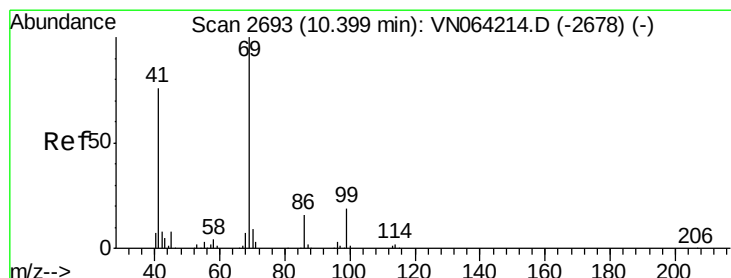
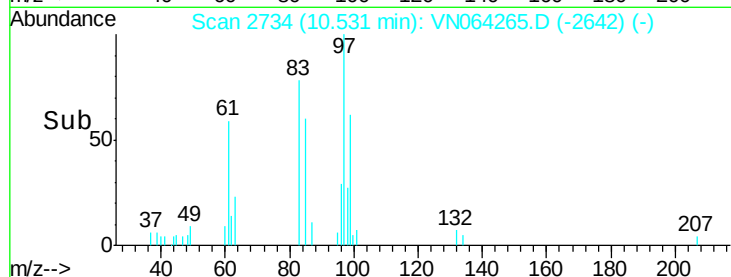
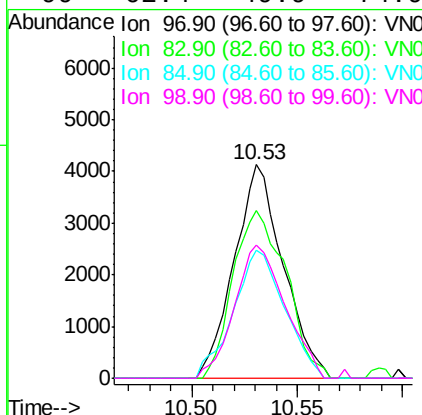
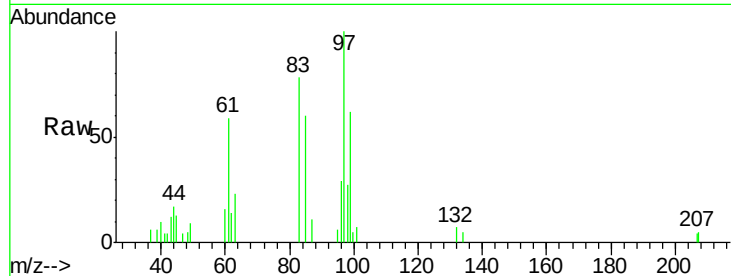
#55
 1,1,2-Trichloroethane
 Concen: 2.390 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064265.D
 Acq: 22 Oct 2020 21:15

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

Tot Ion:	97	Resp:	6673
Ion	Ratio	Lower	Upper
97	100		
83	78.3	67.8	101.6
85	60.2	43.6	65.4
99	62.4	49.9	74.9

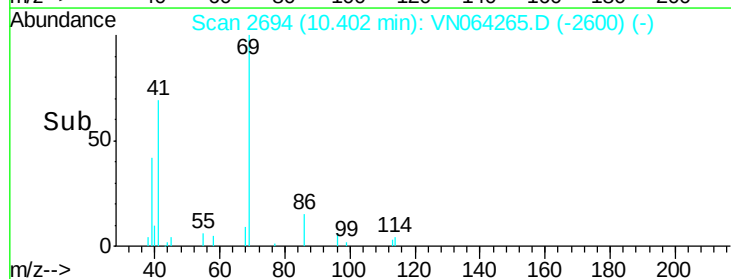
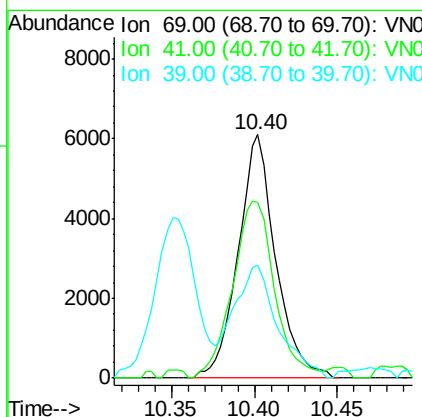
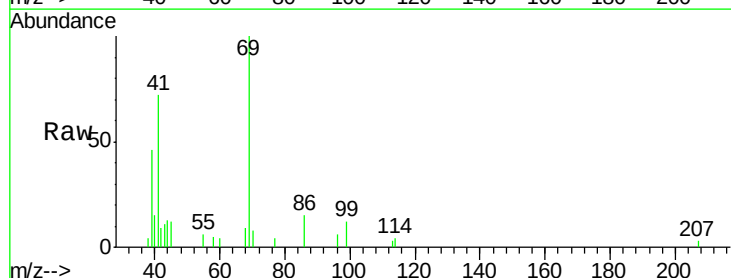
Manual Integrations
 APPROVED

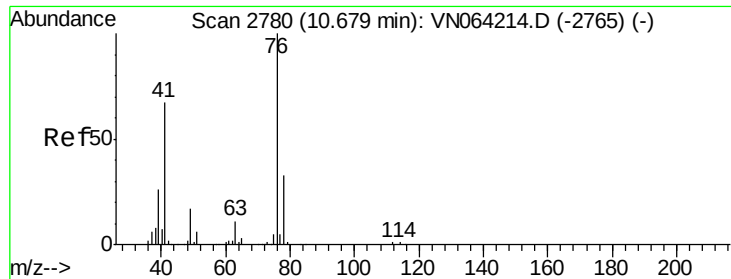
MMDadoda
 10/23/2020 3:37:47 PM



#56
 Ethyl methacrylate
 Concen: 2.217 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN064265.D
 Acq: 22 Oct 2020 21:15

Tgt Ion:	69	Resp:	9569
Ion	Ratio	Lower	Upper
69	100		
41	81.8	61.4	92.2
39	54.8	36.0	54.0#





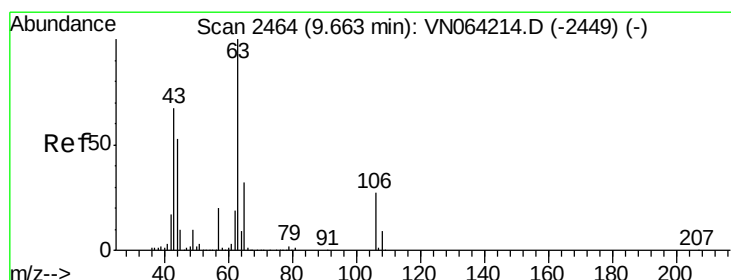
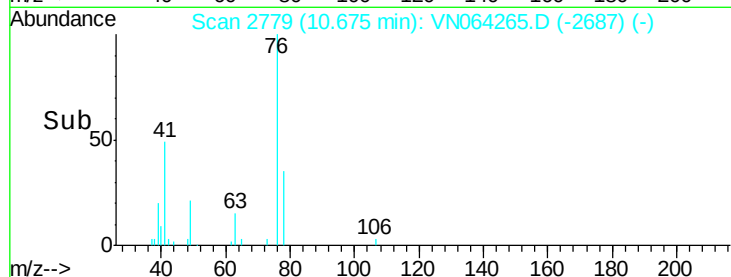
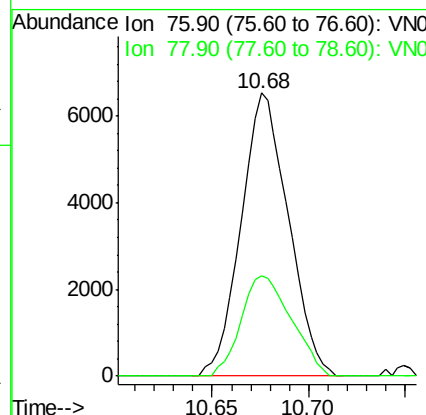
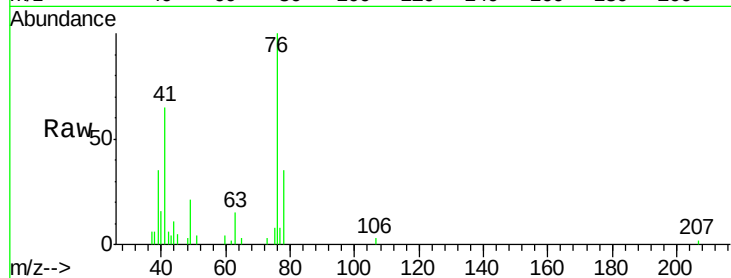
#57
 1,3-Dichloropropane
 Concen: 2.288 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064265.D
 Acq: 22 Oct 2020 21:15

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

Tot Ion: 76 Resp: 11095
 Ion Ratio Lower Upper
 76 100
 78 37.7 26.2 39.2

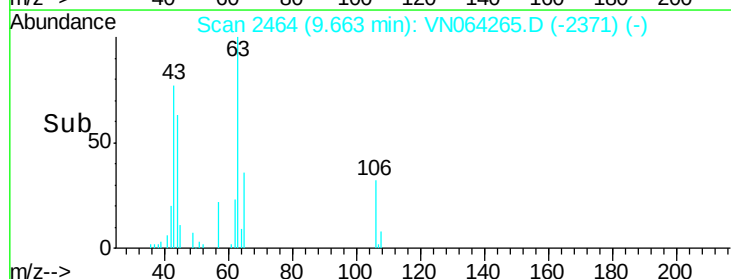
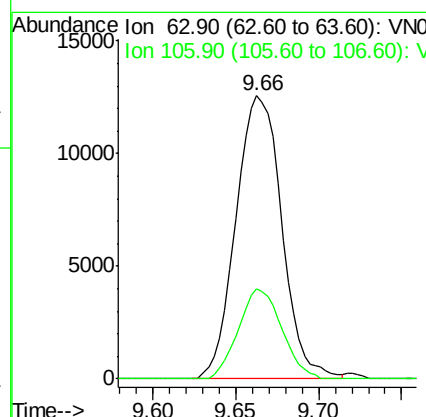
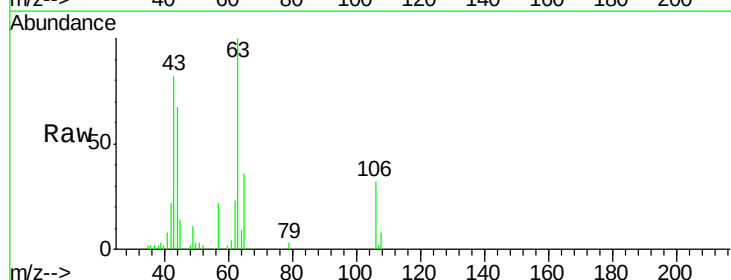
Manual Integrations
 APPROVED

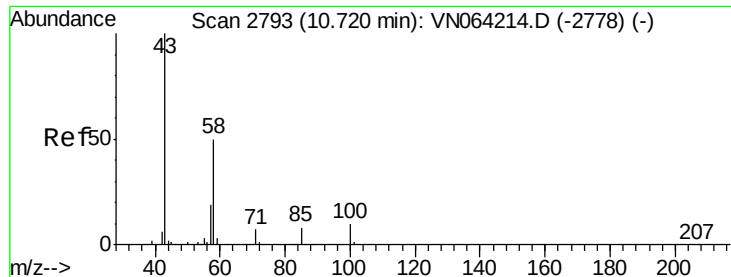
MMDadoda
 10/23/2020 3:37:47 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 10.918 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN064265.D
 Acq: 22 Oct 2020 21:15

Tgt Ion: 63 Resp: 24270
 Ion Ratio Lower Upper
 63 100
 106 29.8 21.3 31.9





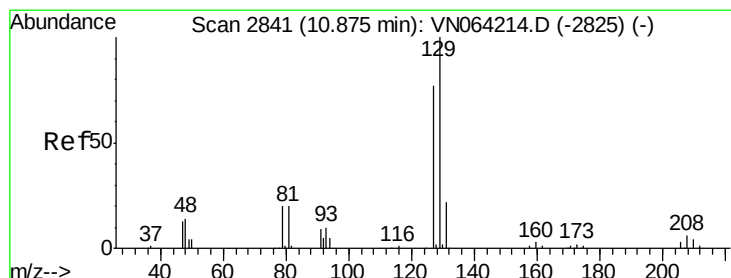
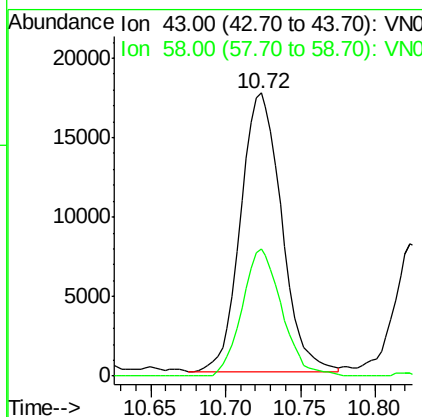
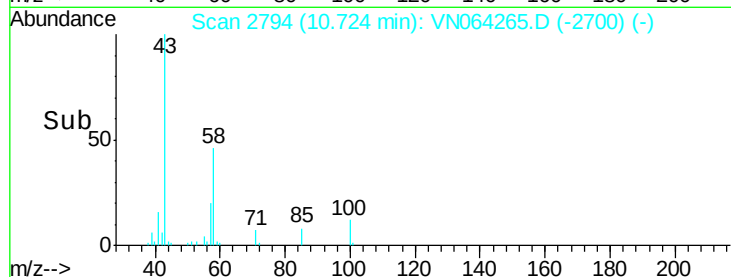
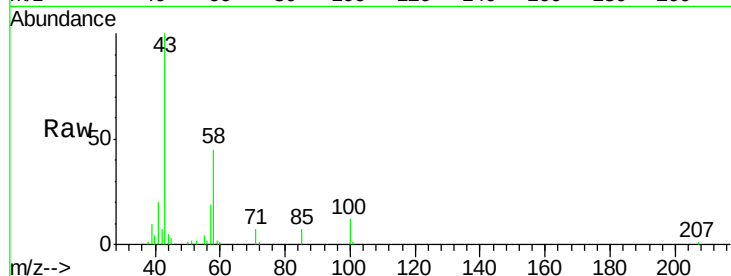
#59
2-Hexanone
Concen: 12.081 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

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

Tot Ion: 43 Resp: 33393
Ion Ratio Lower Upper
43 100
58 44.2 24.8 74.3

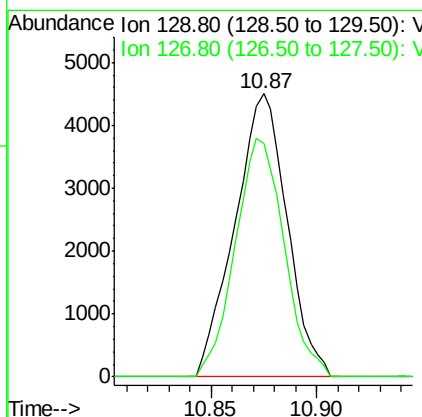
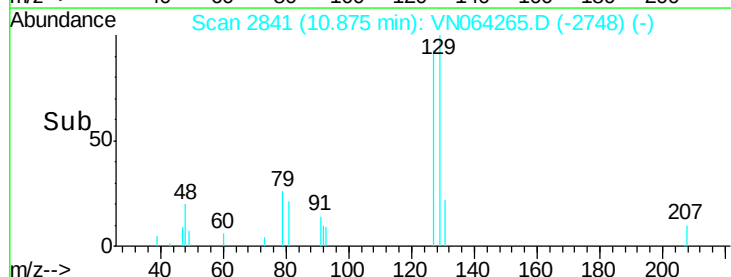
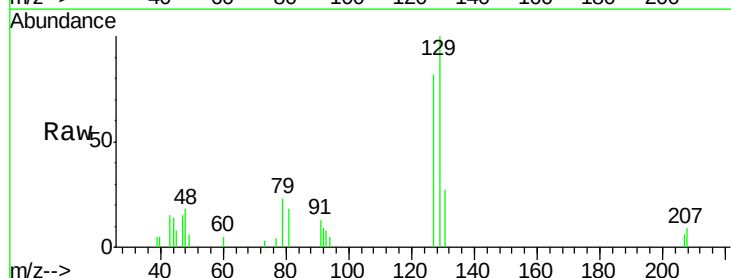
Manual Integrations
APPROVED

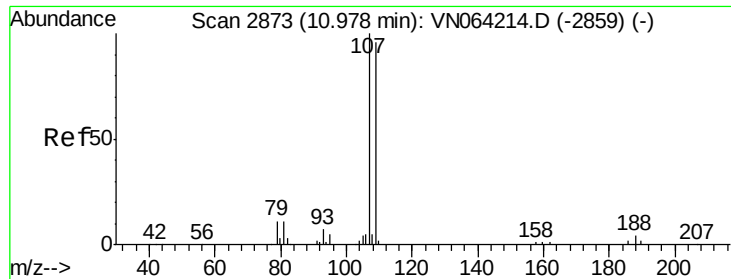
MMDadoda
10/23/2020 3:37:47 PM



#60
Dibromochloromethane
Concen: 2.140 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

Tgt Ion: 129 Resp: 7734
Ion Ratio Lower Upper
129 100
127 79.1 38.8 116.3





#61

1,2-Dibromoethane

Concen: 2.396 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 107 Resp: 7059

Ion Ratio Lower Upper

107 100

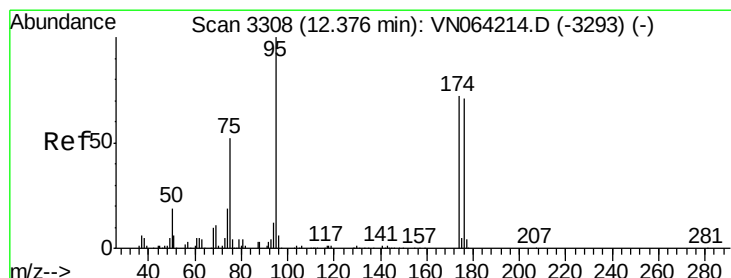
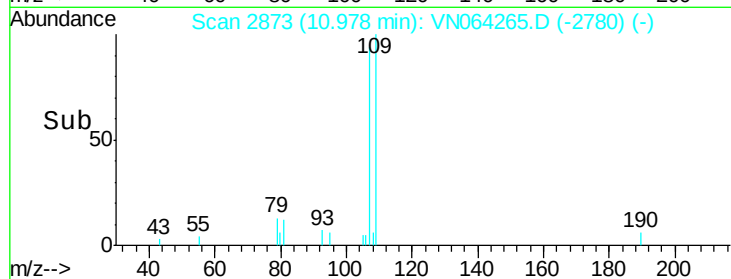
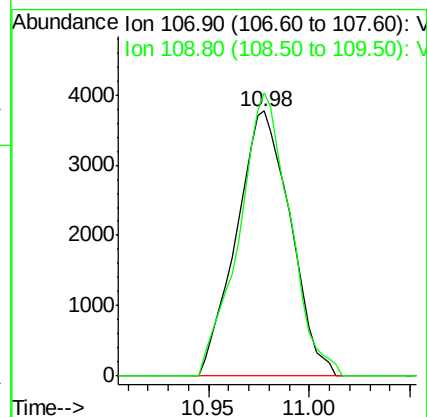
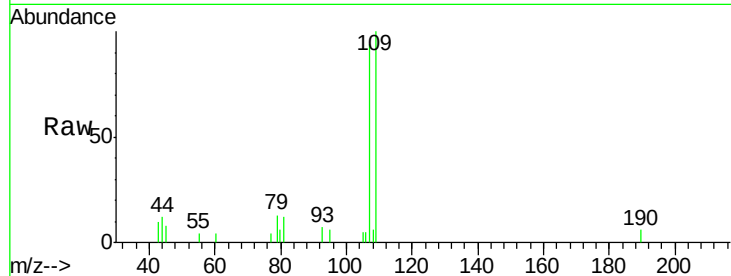
109 100.6 76.2 114.4

Manual Integrations

APPROVED

MMDadoda

10/23/2020 3:37:47 PM



#62

4-Bromofluorobenzene

Concen: 46.556 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

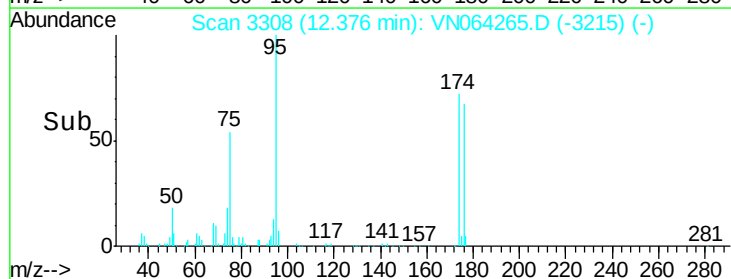
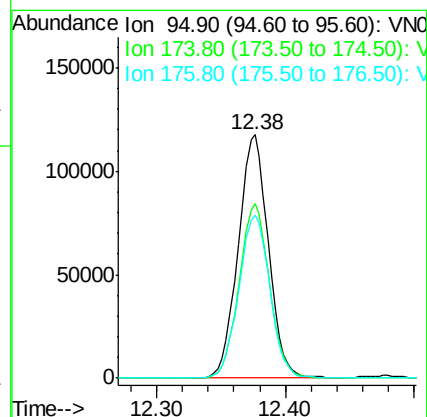
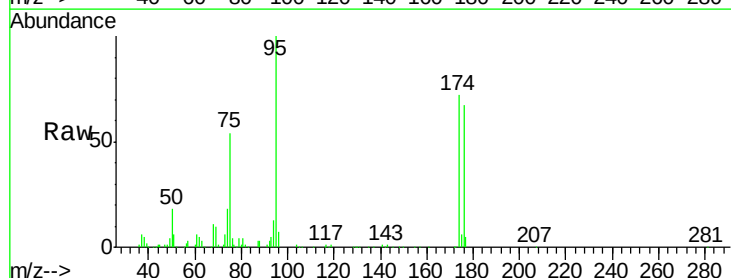
Tgt Ion: 95 Resp: 191078

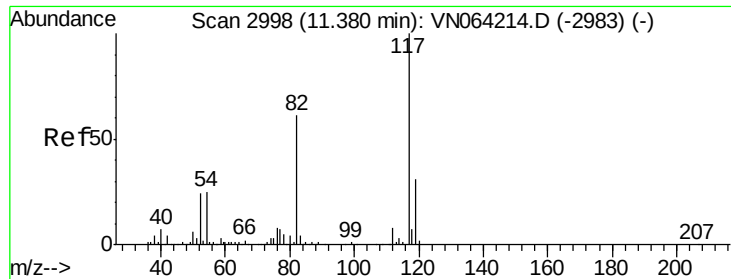
Ion Ratio Lower Upper

95 100

174 72.4 0.0 144.4

176 69.0 0.0 139.2





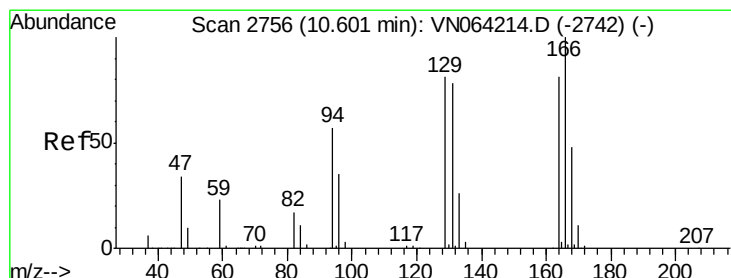
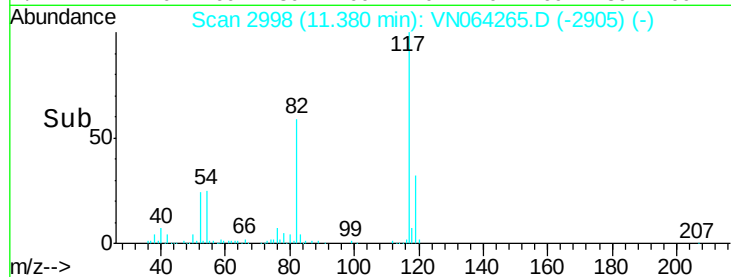
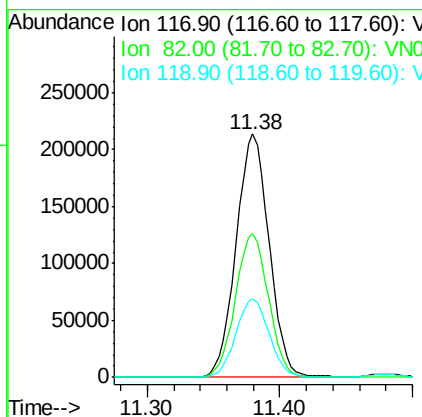
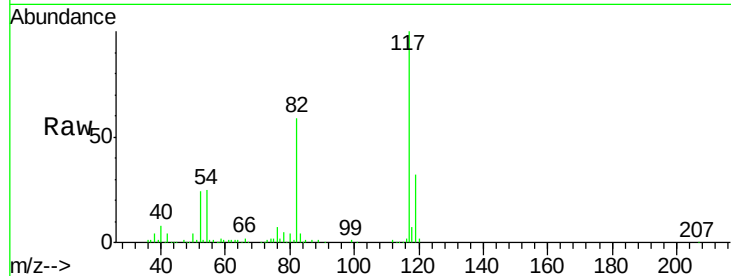
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100	369843		
82	59.1	48.8	73.2	
119	32.1	24.7	37.1	

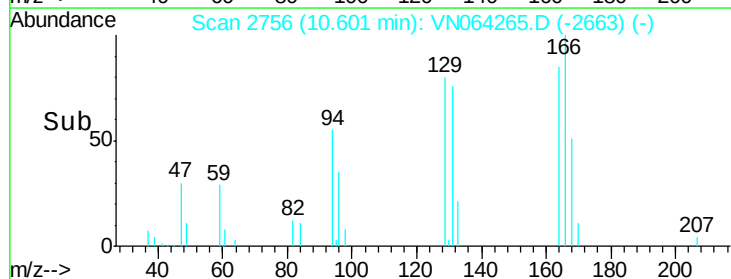
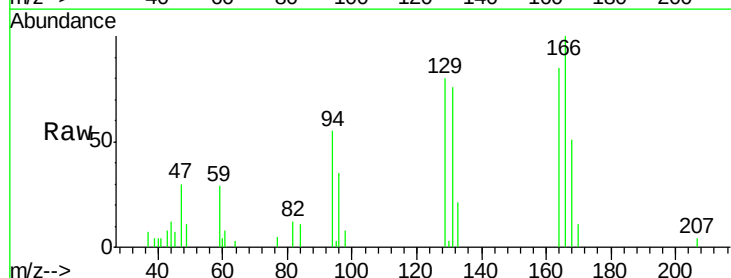
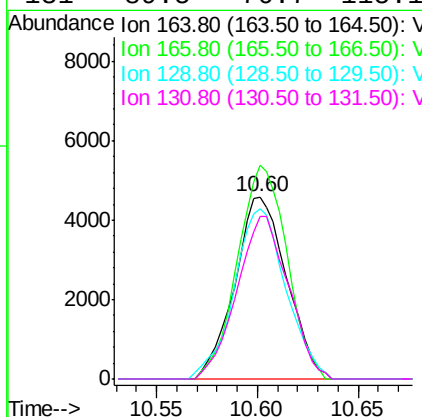
Manual Integrations
APPROVED

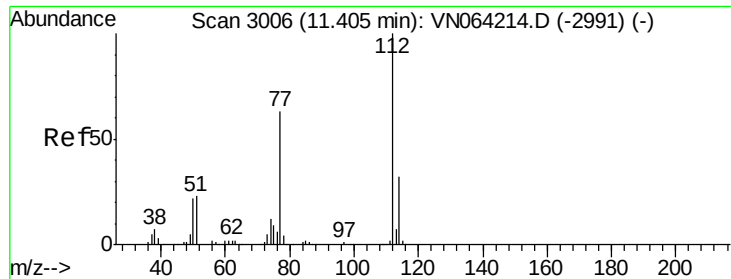
MMDadoda
10/23/2020 3:37:47 PM



#64
Tetrachloroethene
Concen: 2.762 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	8225		
166	117.4	98.9	148.3	
129	93.4	79.9	119.9	
131	89.5	76.7	115.1	





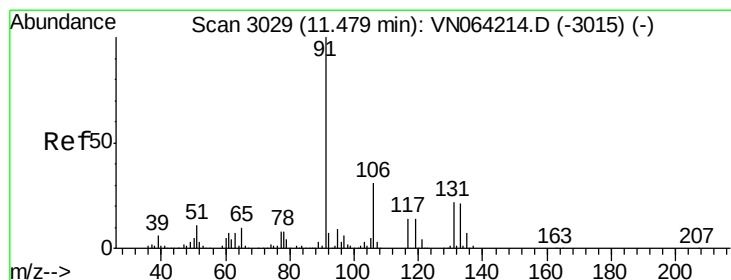
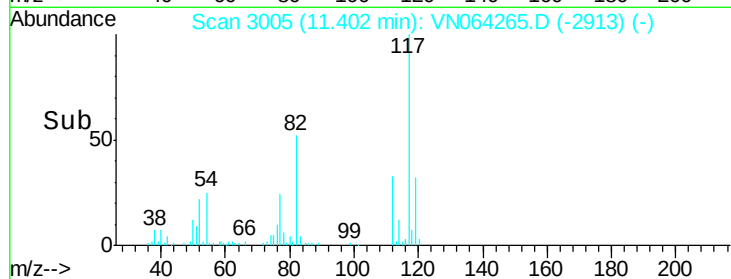
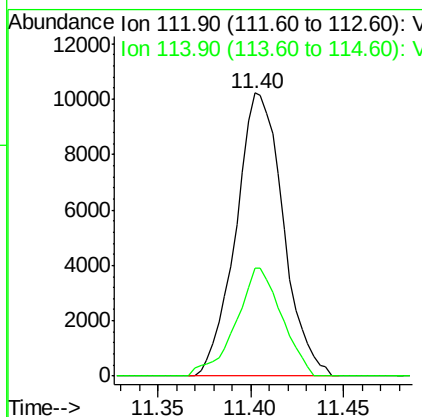
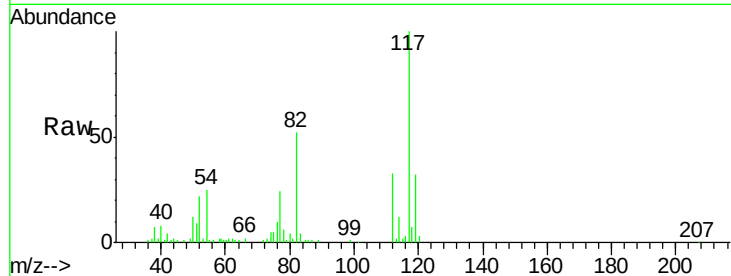
#65
Chlorobenzene
Concen: 2.372 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

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

Tot Ion:112 Resp: 18156
Ion Ratio Lower Upper
112 100
114 38.0 25.7 38.5

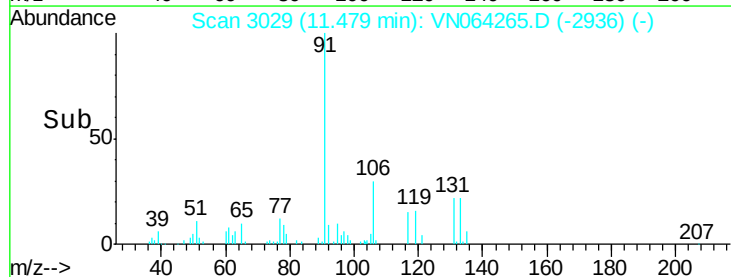
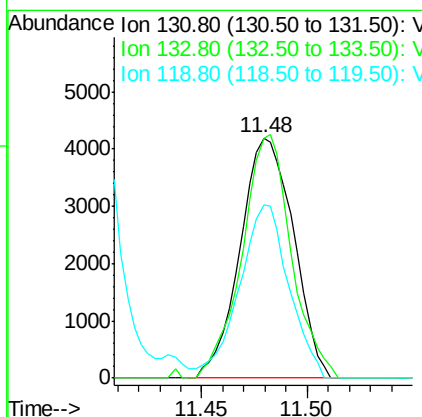
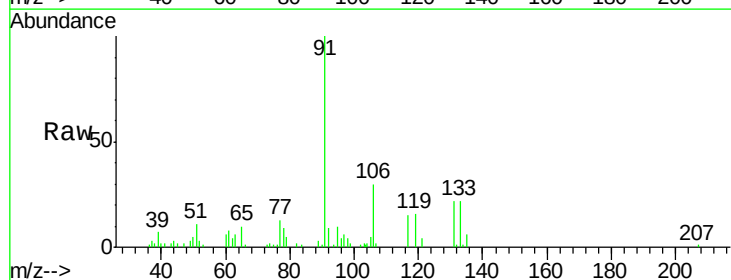
Manual Integrations
APPROVED

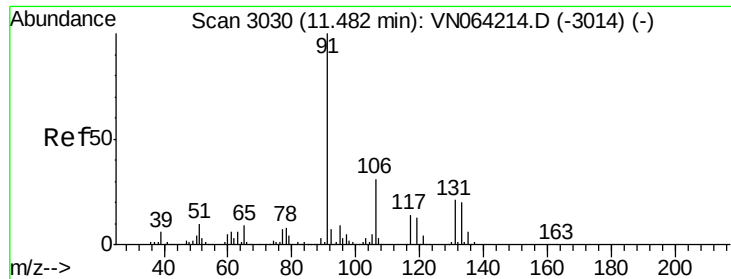
MMDadoda
10/23/2020 3:37:47 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 2.428 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

Tgt Ion:131 Resp: 7377
Ion Ratio Lower Upper
131 100
133 93.9 47.8 143.4
119 66.9 32.2 96.6





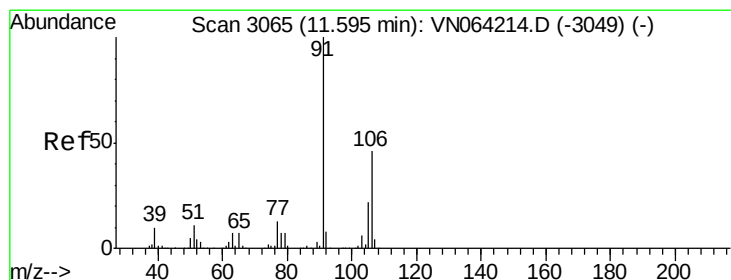
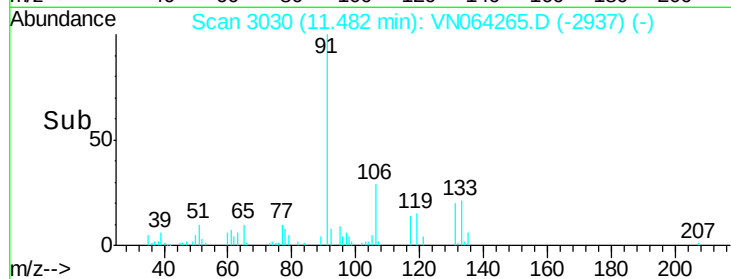
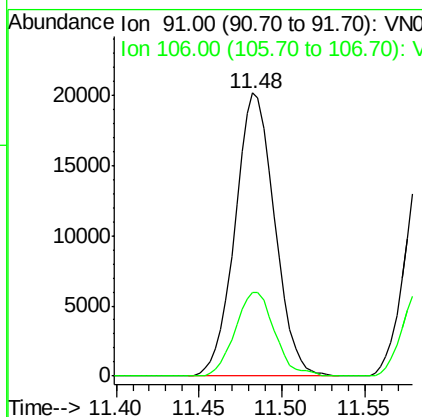
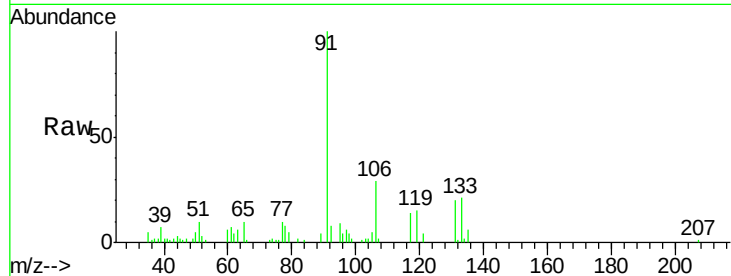
#67
Ethyl Benzene
Concen: 2.379 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

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

Tot Ion: 91 Resp: 33469
Ion Ratio Lower Upper
91 100
106 29.4 24.8 37.2

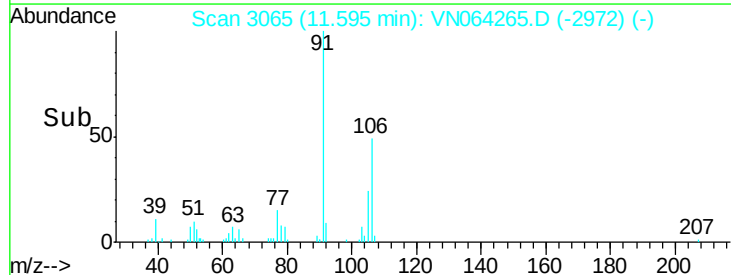
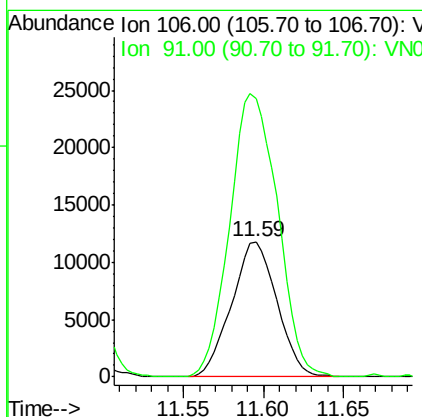
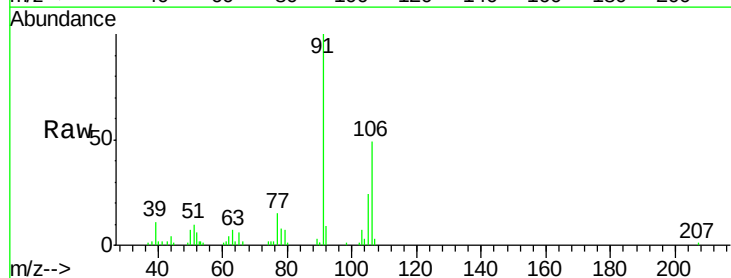
Manual Integrations
APPROVED

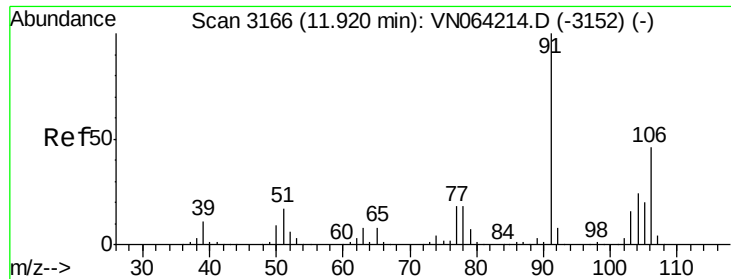
MMDadoda
10/23/2020 3:37:47 PM



#68
m/p-Xylenes
Concen: 4.391 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

Tgt Ion: 106 Resp: 22889
Ion Ratio Lower Upper
106 100
91 219.6 172.2 258.2





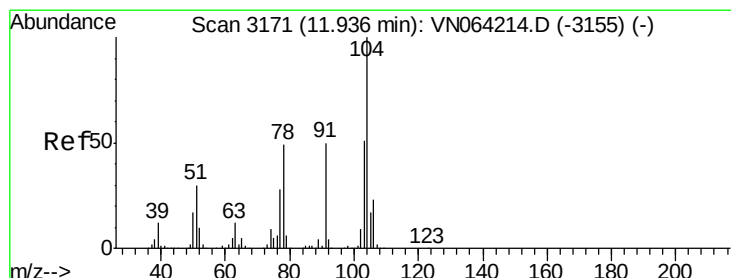
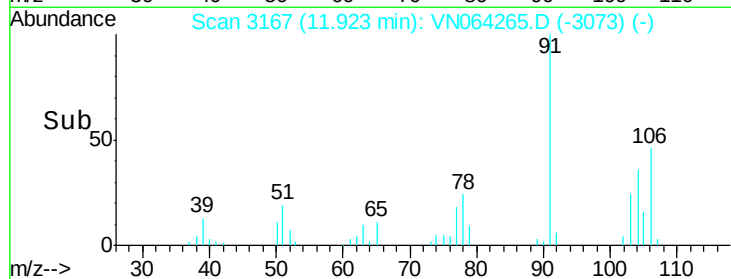
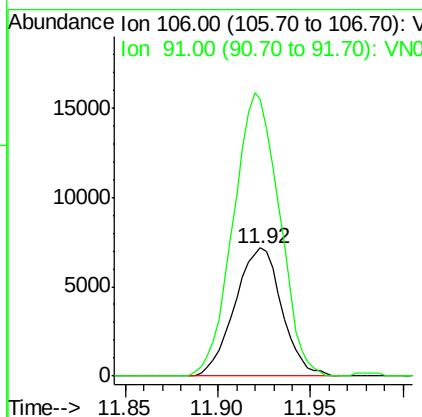
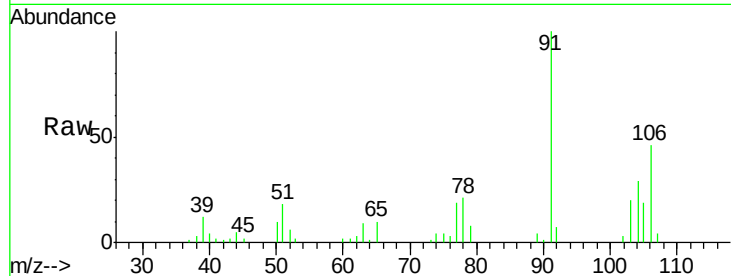
#69
o-Xylene
Concen: 2.497 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

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

Tot Ion:106 Resp: 12589
Ion Ratio Lower Upper
106 100
91 216.7 109.9 329.6

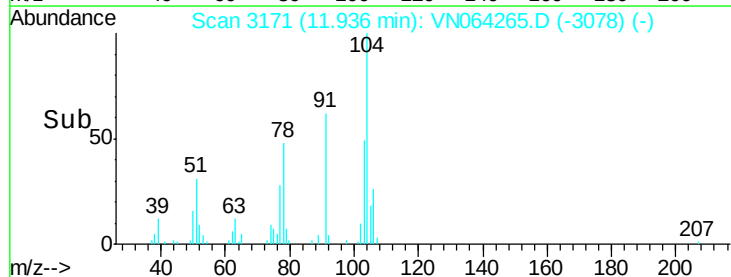
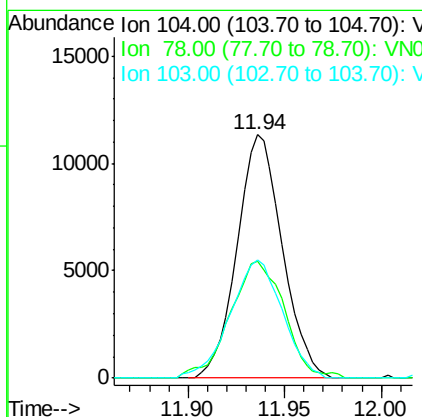
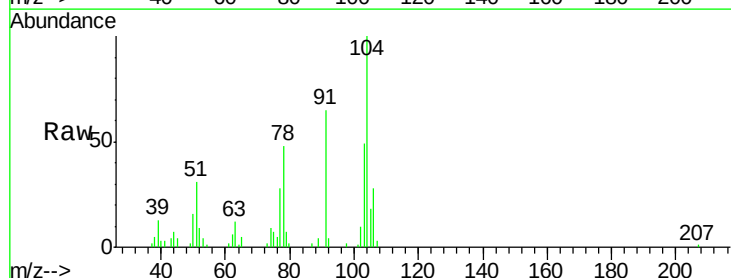
Manual Integrations
APPROVED

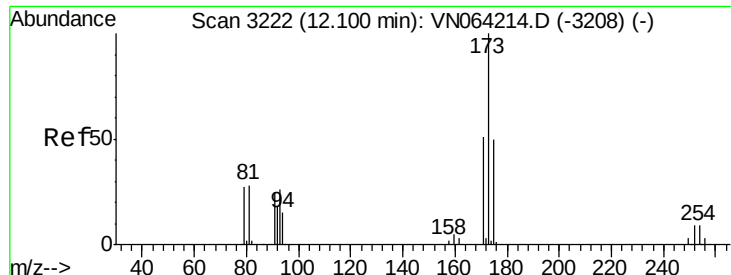
MMDadoda
10/23/2020 3:37:47 PM



#70
Styrene
Concen: 2.182 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

Tgt Ion:104 Resp: 18435
Ion Ratio Lower Upper
104 100
78 57.3 43.8 65.6
103 55.9 43.4 65.2





#71

Bromoform

Concen: 2.242 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

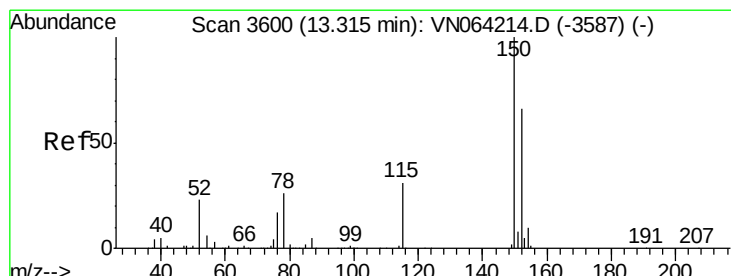
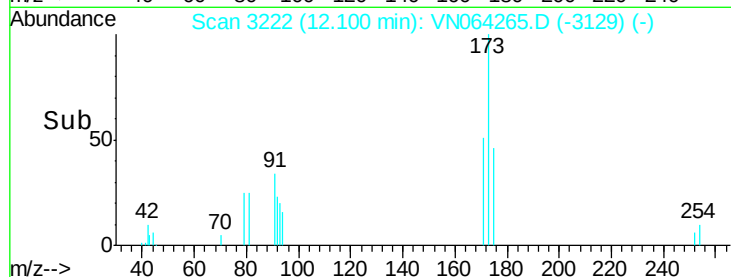
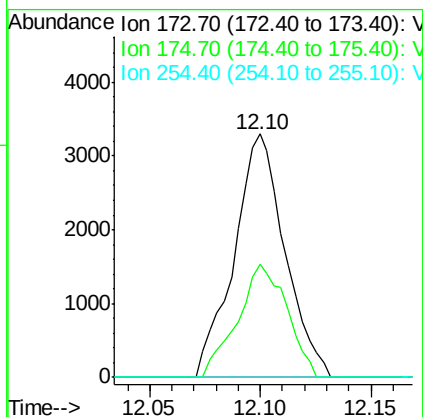
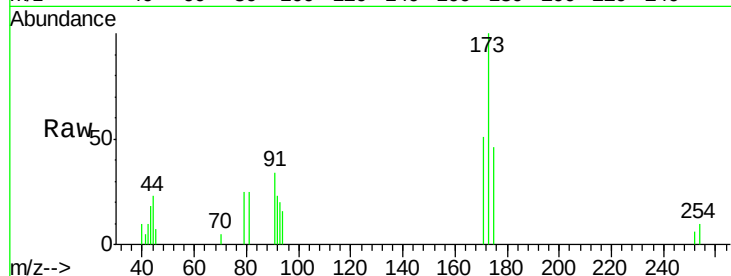
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	173	Resp:	5263
Ion Ratio	Lower	Upper	
173	100		
175	45.1	25.1	75.3
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
10/23/2020 3:37:47 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

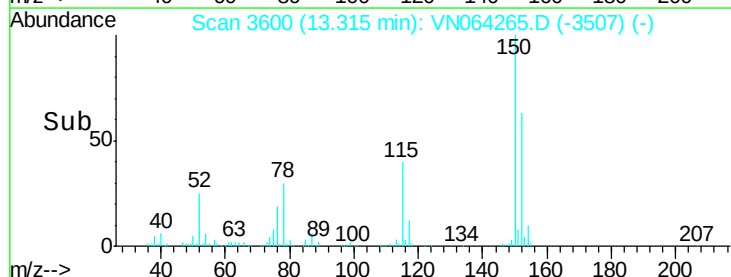
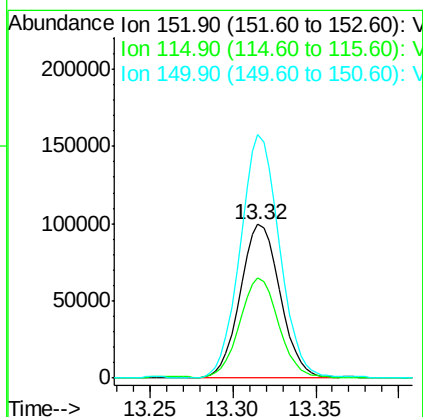
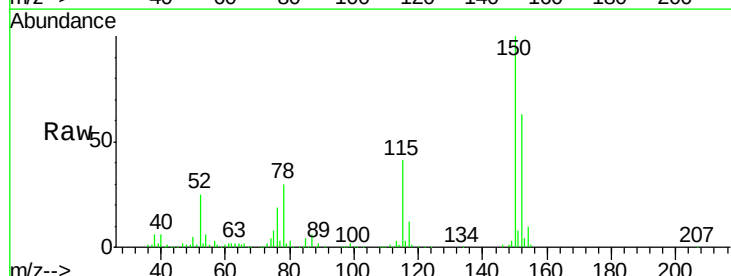
RT: 13.32 min Scan# 3600

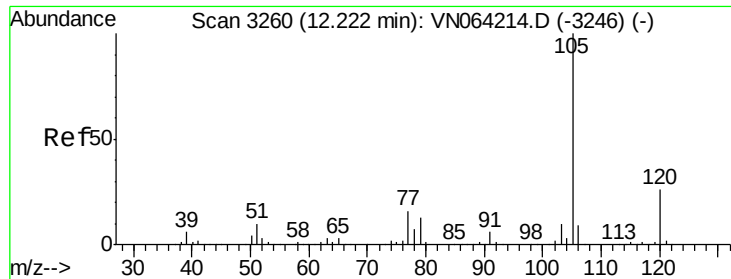
Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Tgt Ion:	152	Resp:	167087
Ion Ratio	Lower	Upper	
152	100		
115	63.3	32.0	96.2
150	154.9	0.0	356.6





#73

Isopropylbenzene

Concen: 2.408 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 105 Resp: 30691

Ion Ratio Lower Upper

105 100

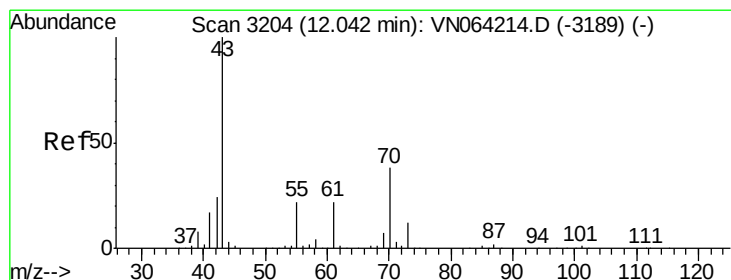
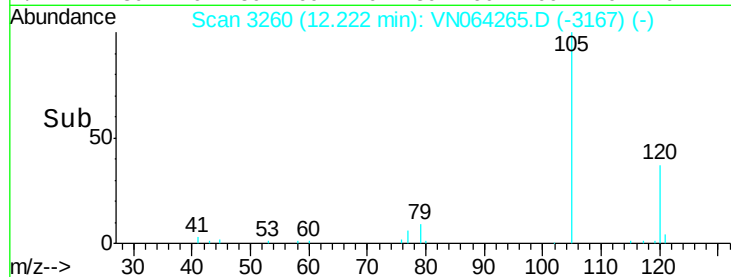
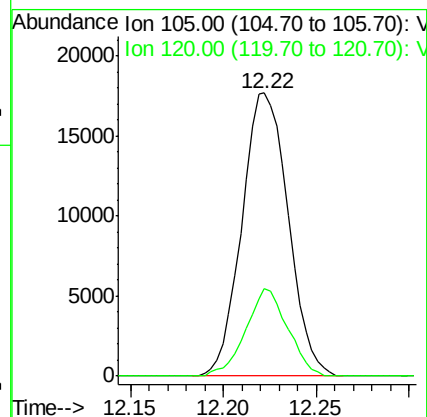
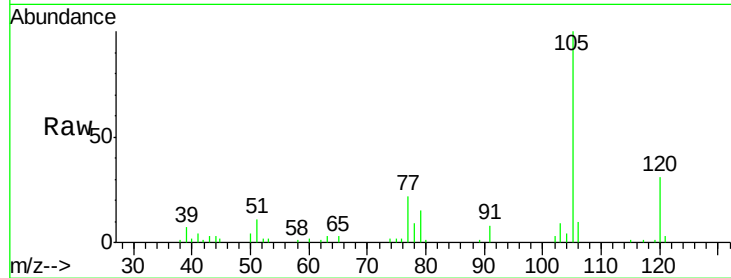
120 27.9 12.9 38.7

Manual Integrations

APPROVED

MMDadoda

10/23/2020 3:37:47 PM



#74

N-ethyl acetate

Concen: 2.133 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Tgt Ion: 43 Resp: 11744

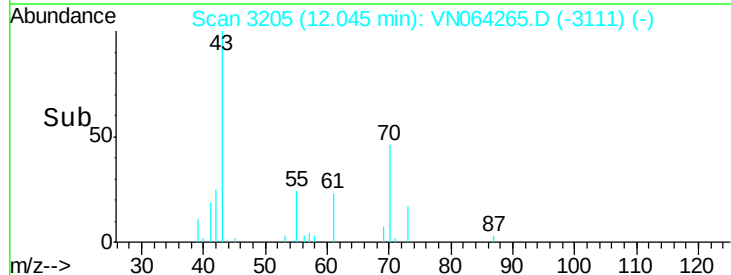
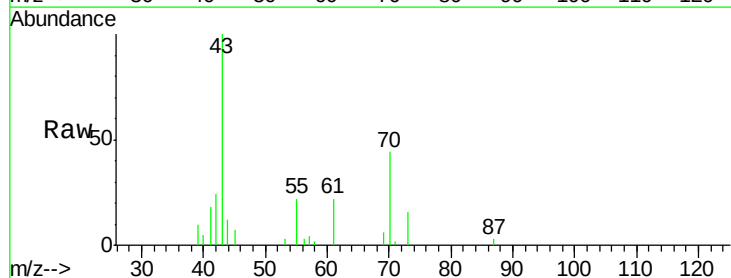
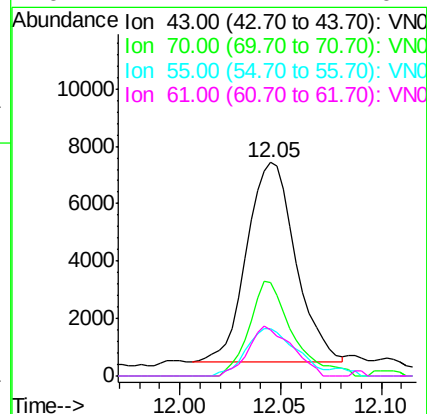
Ion Ratio Lower Upper

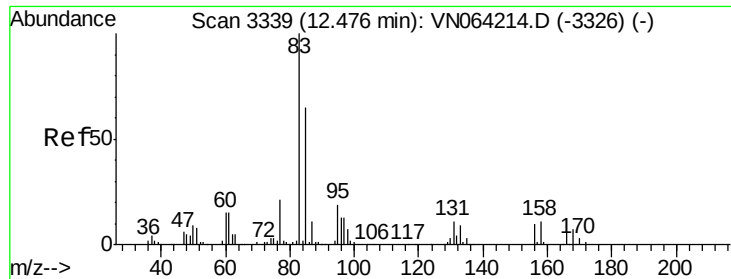
43 100

70 41.8 30.2 45.4

55 24.6 18.0 27.0

61 22.4 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 2.523 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

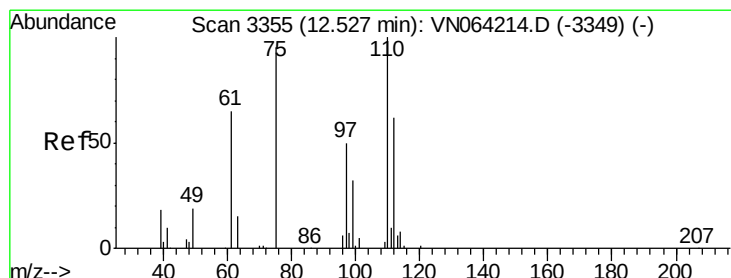
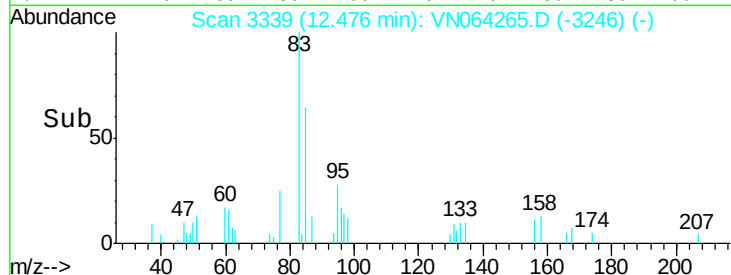
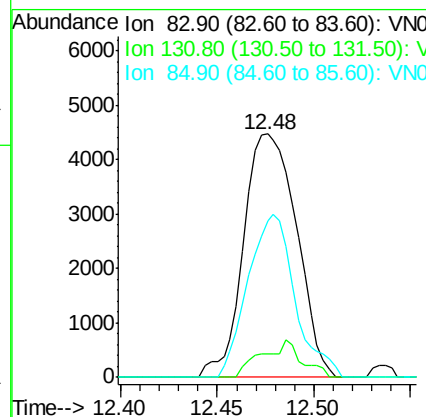
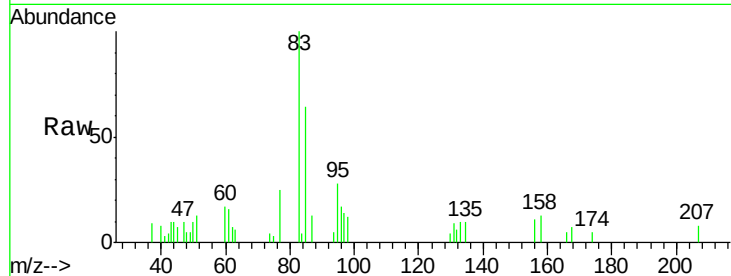
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	83	Resp:	8531
Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.5	16.7
85	59.4	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
10/23/2020 3:37:47 PM



#76

1,2,3-Trichloropropane

Concen: 2.791 ug/l m

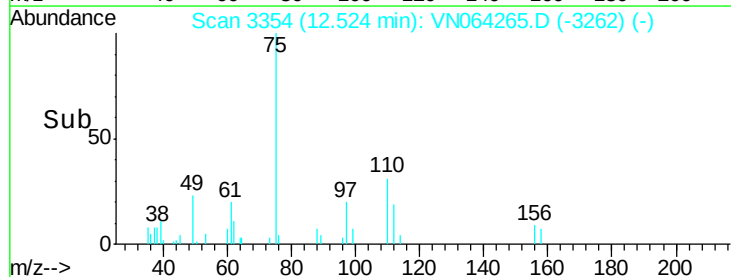
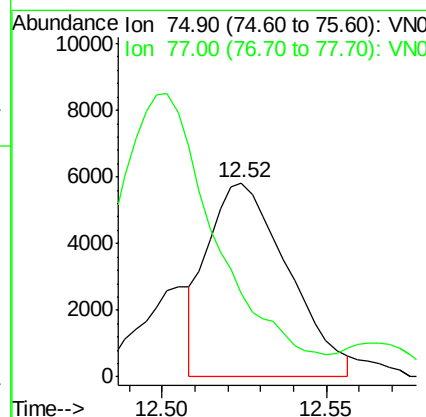
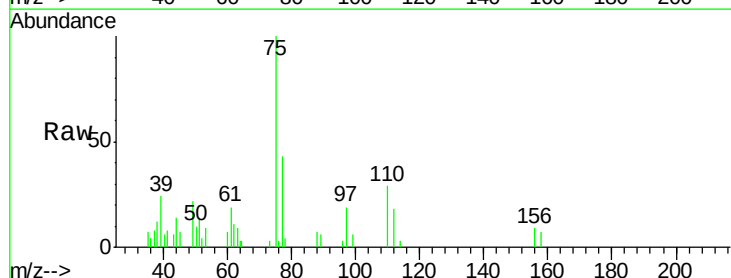
RT: 12.52 min Scan# 3354

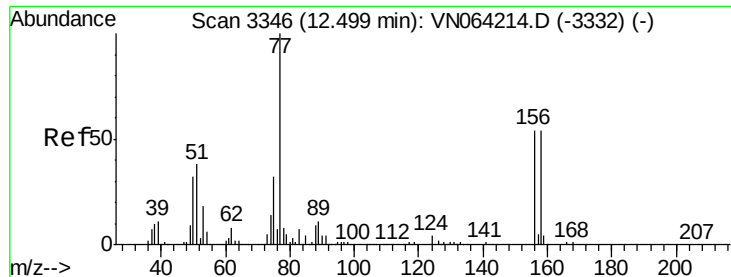
Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Tgt Ion:	75	Resp:	9830
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 2.413 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

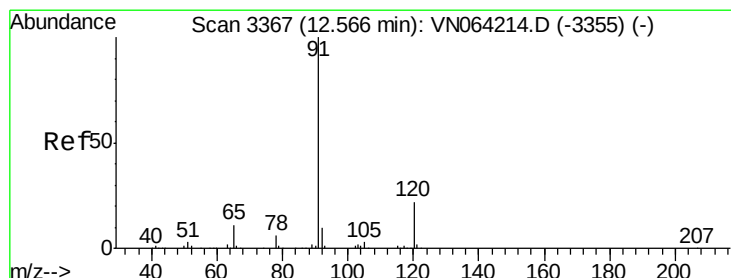
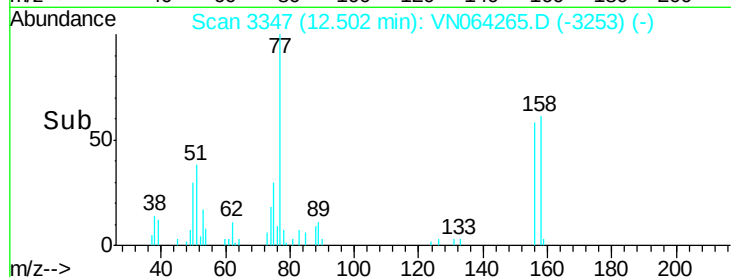
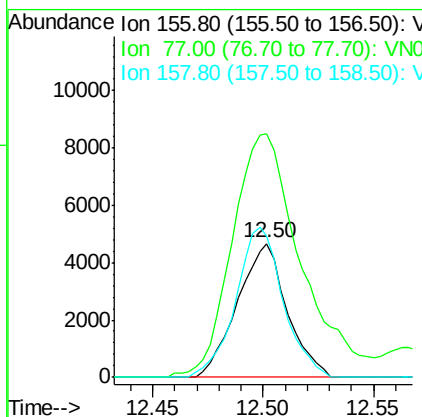
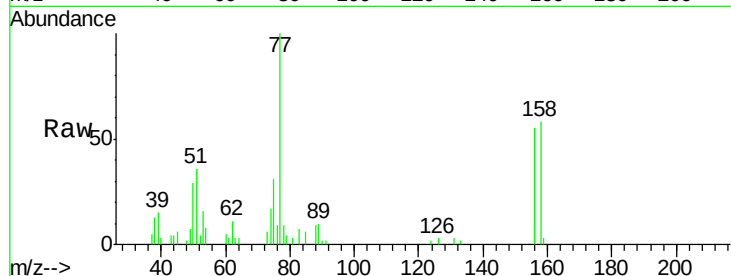
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
156	100		
77	252.8	111.1	333.4
158	108.1	50.0	150.1

Manual Integrations
APPROVED

MMDadoda
10/23/2020 3:37:47 PM



#78

n-propylbenzene

Concen: 2.346 ug/l

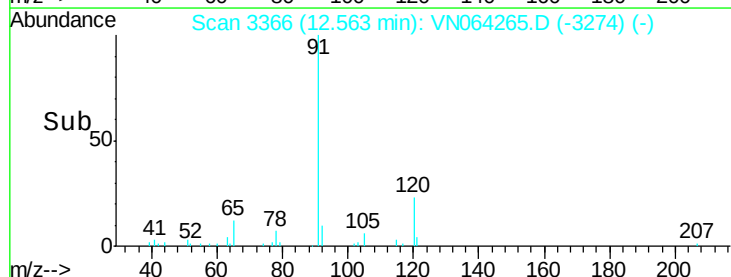
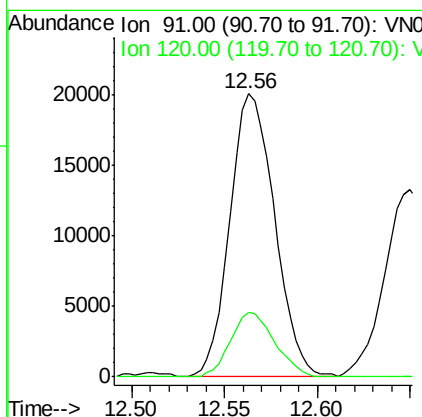
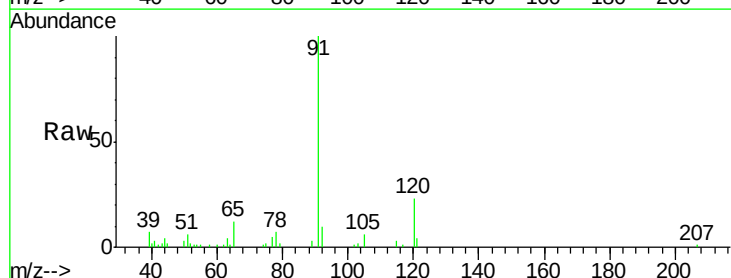
RT: 12.56 min Scan# 3366

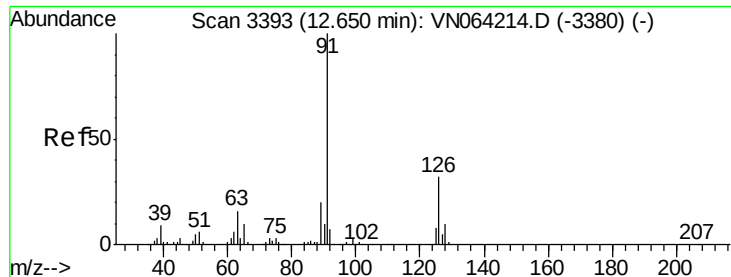
Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1





#79

2-Chlorotoluene

Concen: 2.584 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 91 Resp: 22802

Ion Ratio Lower Upper

91 100

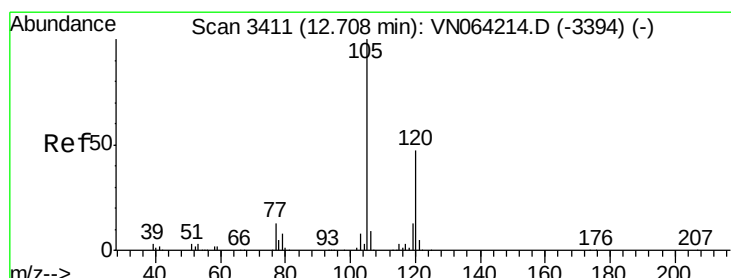
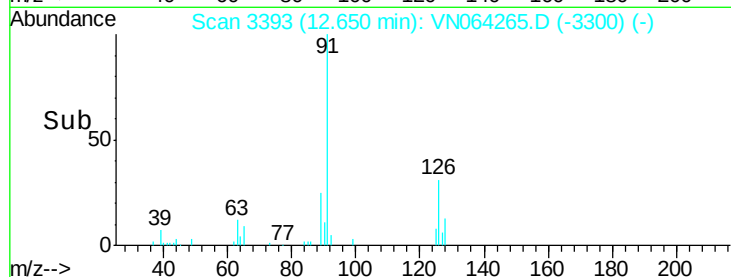
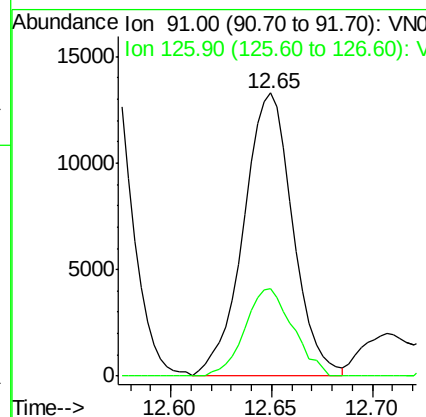
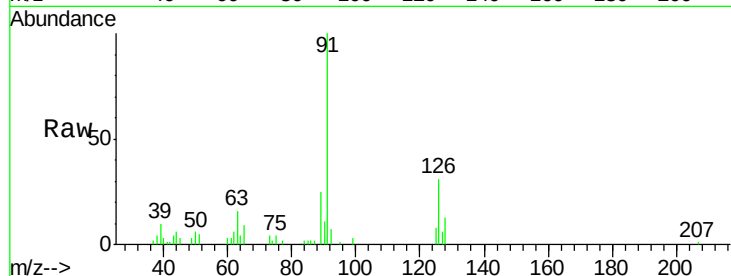
126 30.0 16.0 48.0

Manual Integrations

APPROVED

MMDadoda

10/23/2020 3:37:47 PM



#80

1,3,5-Trimethylbenzene

Concen: 2.277 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064265.D

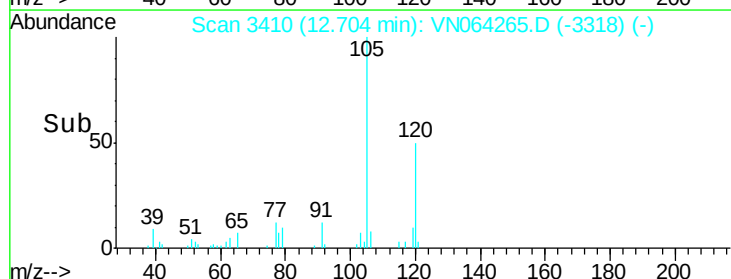
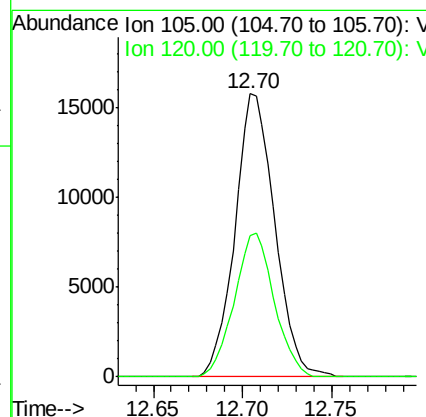
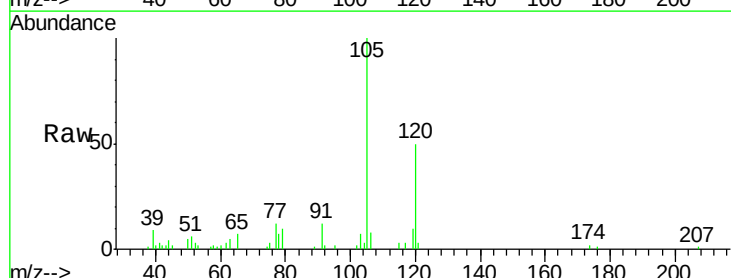
Acq: 22 Oct 2020 21:15

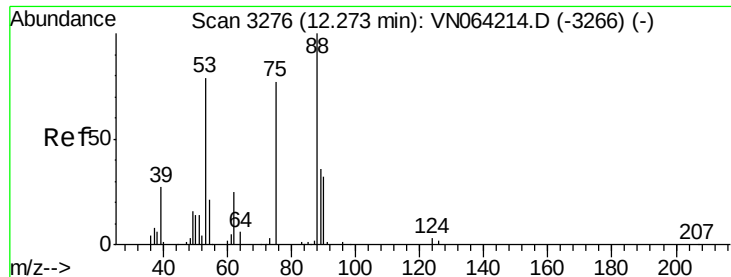
Tgt Ion: 105 Resp: 24531

Ion Ratio Lower Upper

105 100

120 50.7 23.4 70.0





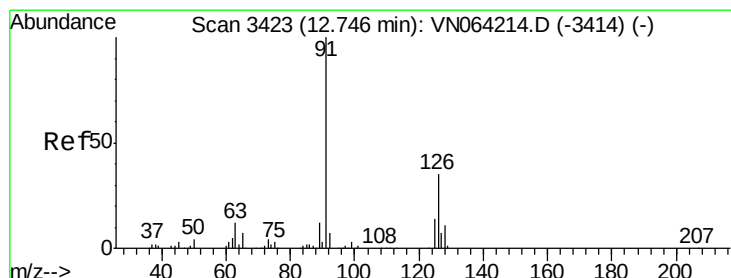
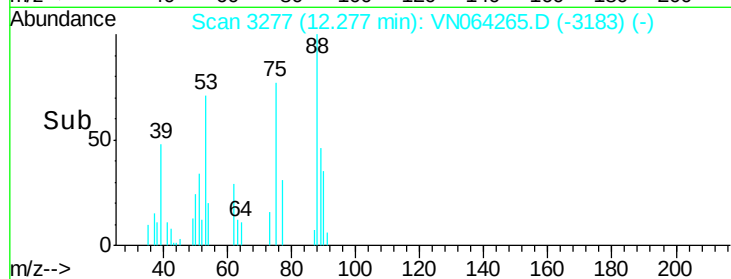
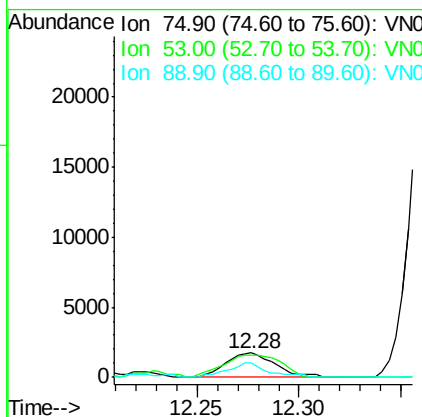
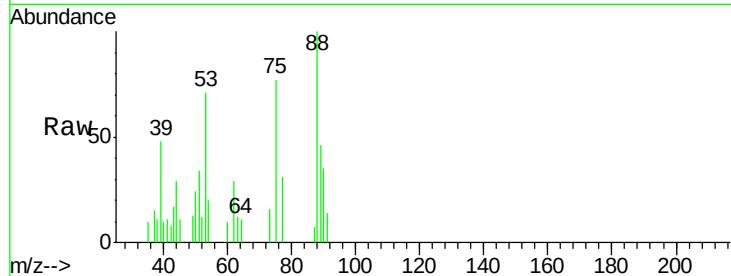
#81
trans-1,4-Dichloro-2-butene
Concen: 2.107 ug/l m
RT: 12.28 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

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#

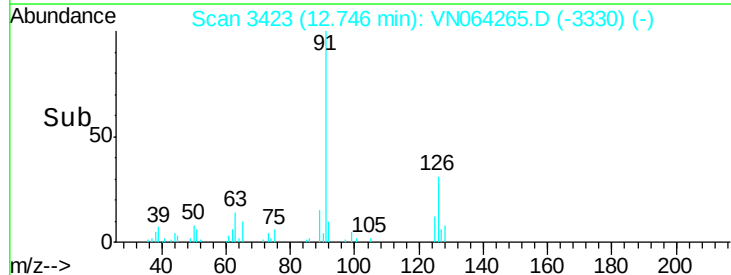
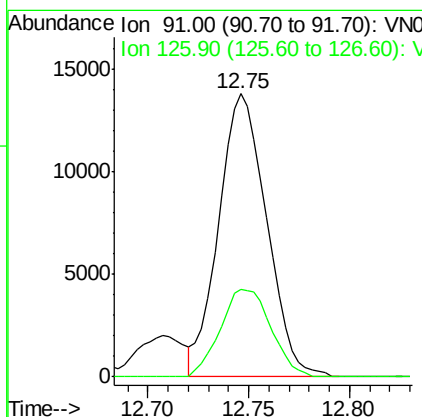
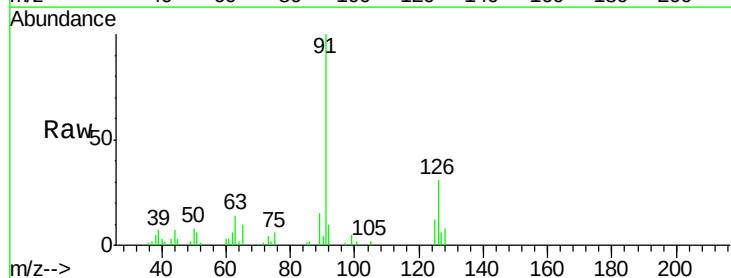
Manual Integrations
APPROVED

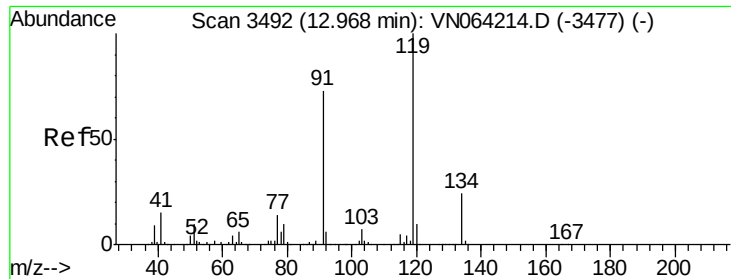
MMDadoda
10/23/2020 3:37:47 PM



#82
4-Chlorotoluene
Concen: 2.482 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	15.8	47.3





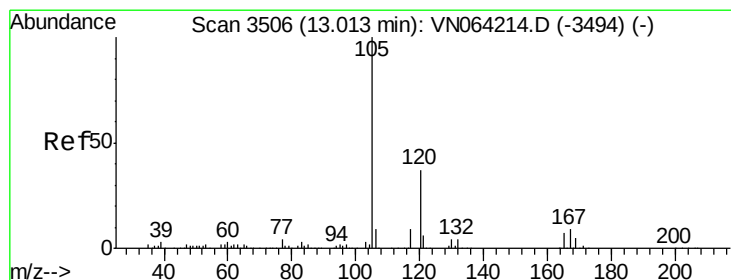
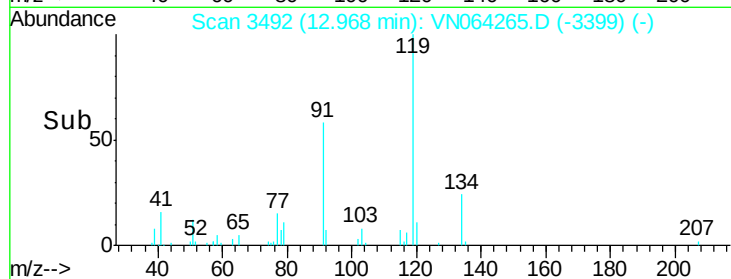
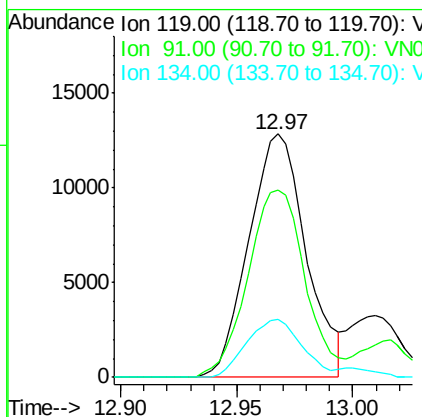
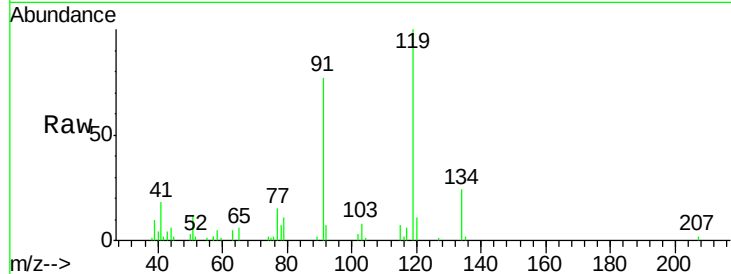
#83
 tert-Butylbenzene
 Concen: 2.497 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064265.D
 Acq: 22 Oct 2020 21:15

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

Tot Ion	Ratio	Lower	Upper
119	100		
91	77.4	35.1	105.3
134	23.3	11.6	34.8

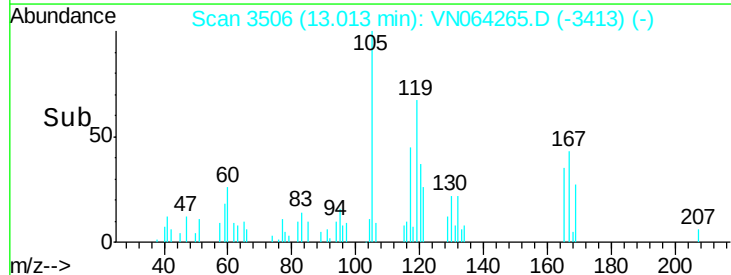
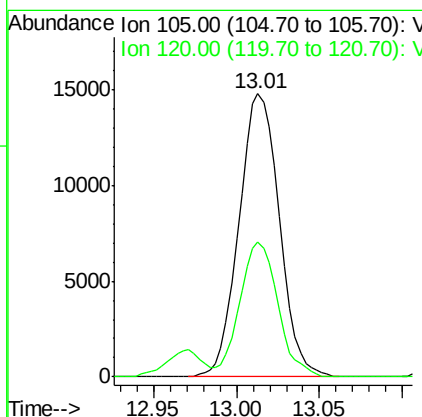
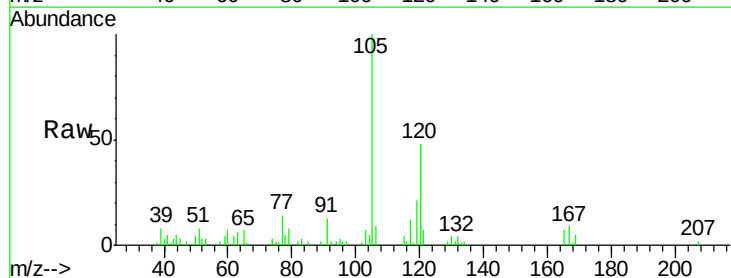
Manual Integrations
 APPROVED

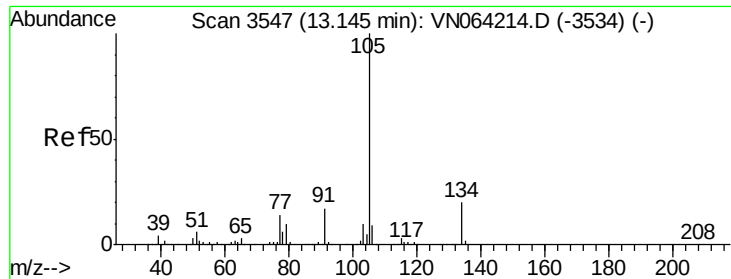
MMDadoda
 10/23/2020 3:37:47 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 2.343 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064265.D
 Acq: 22 Oct 2020 21:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	21.5	64.5





#85

sec-Butylbenzene

Concen: 2.313 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:105 Resp: 25759

Ion Ratio Lower Upper

105 100

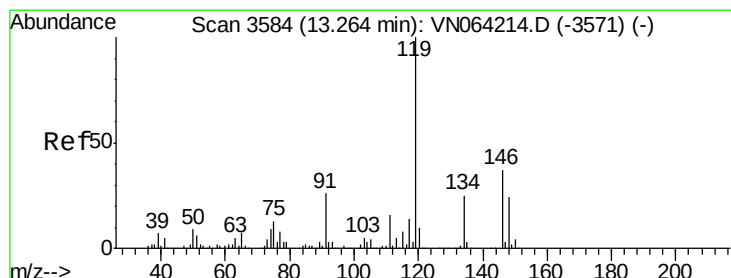
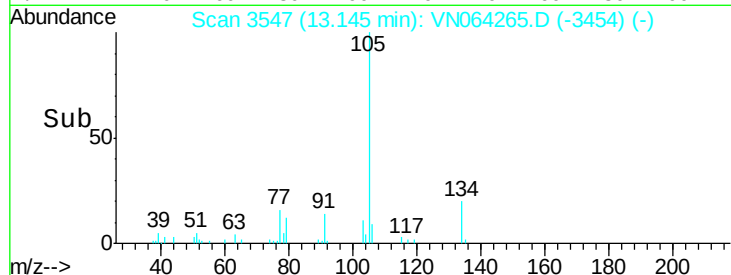
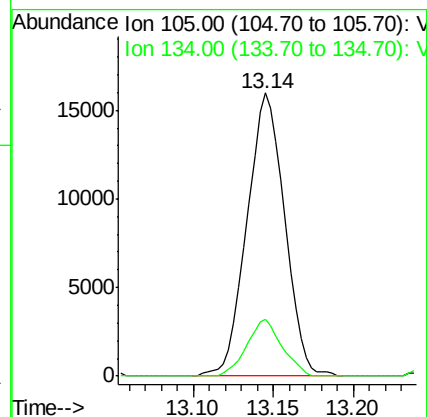
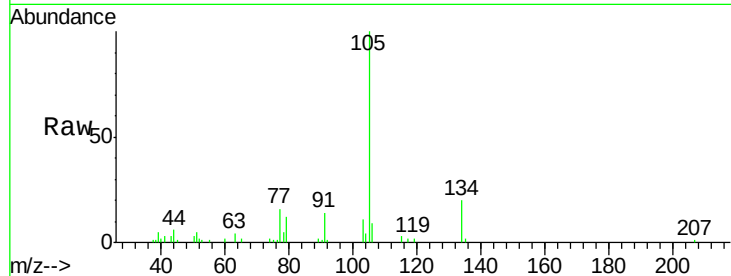
134 18.6 9.7 29.1

Manual Integrations

APPROVED

MMDadoda

10/23/2020 3:37:47 PM



#86

p-Isopropyltoluene

Concen: 2.279 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

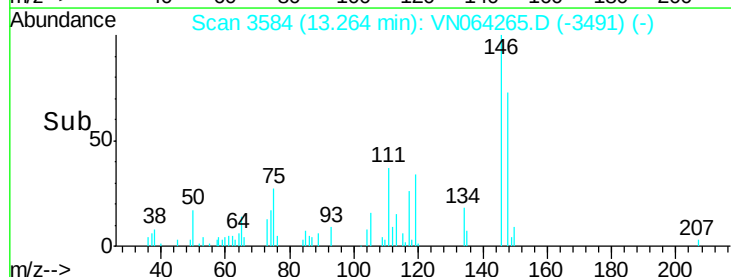
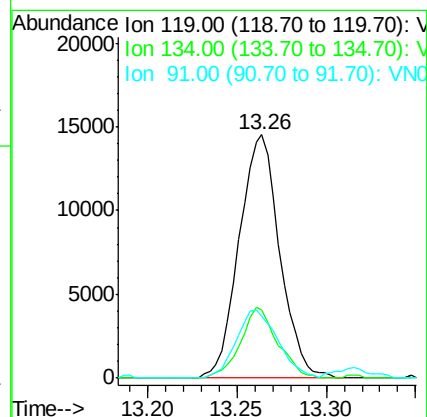
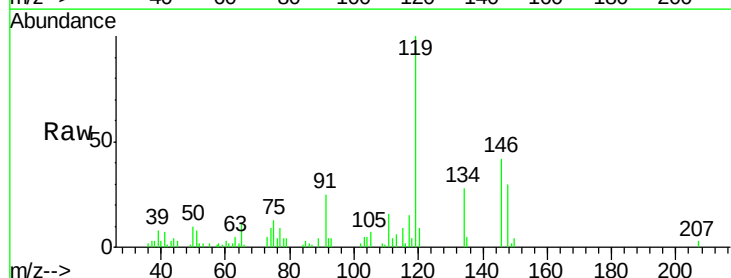
Tgt Ion:119 Resp: 23110

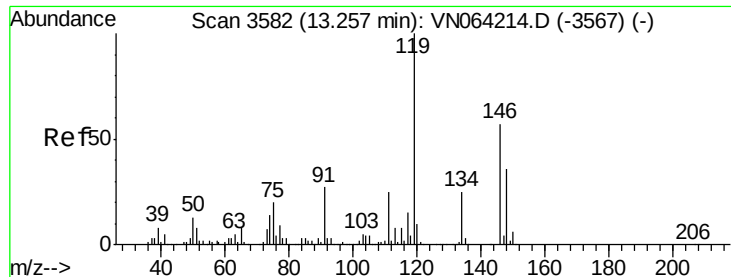
Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

91 28.8 13.4 40.2





#87

1,3-Dichlorobenzene

Concen: 2.403 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

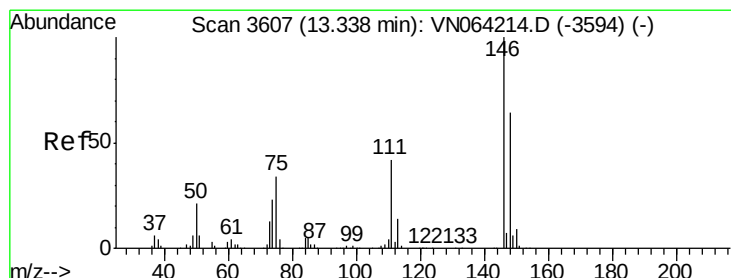
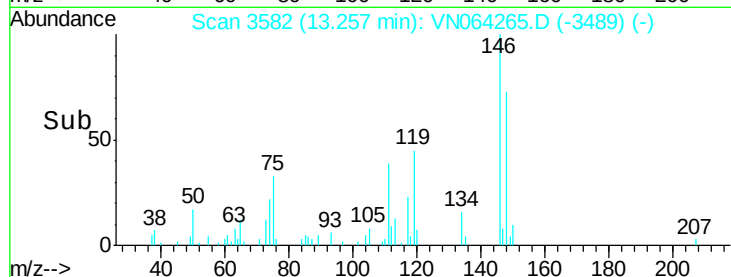
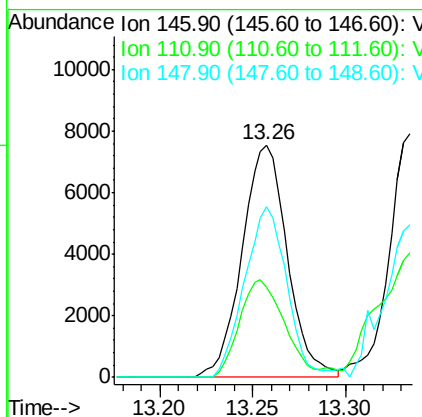
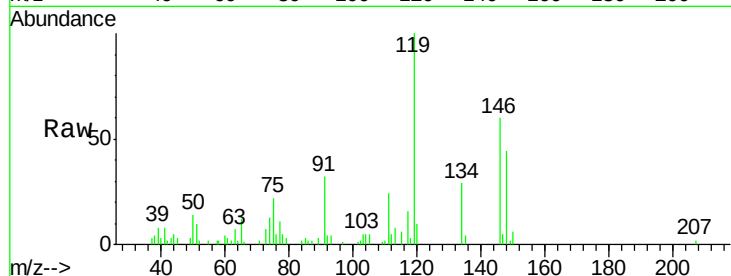
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	146	Resp:	12861
Ion Ratio	Lower	Upper	
146	100		
111	41.6	21.6	65.0
148	67.8	31.7	95.1

Manual Integrations
APPROVED

MMDadoda
10/23/2020 3:37:47 PM



#88

1,4-Dichlorobenzene

Concen: 2.402 ug/l

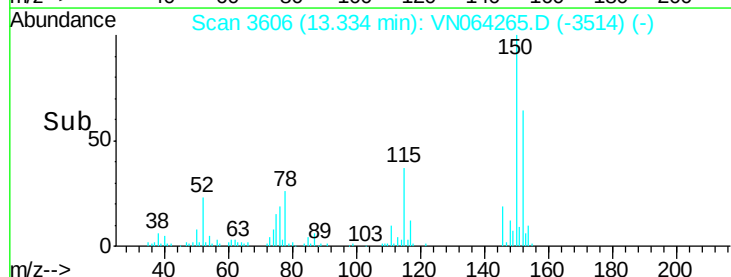
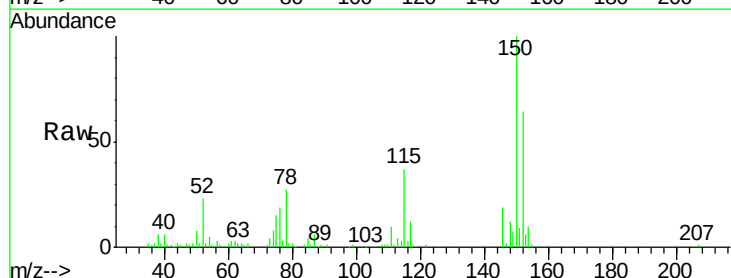
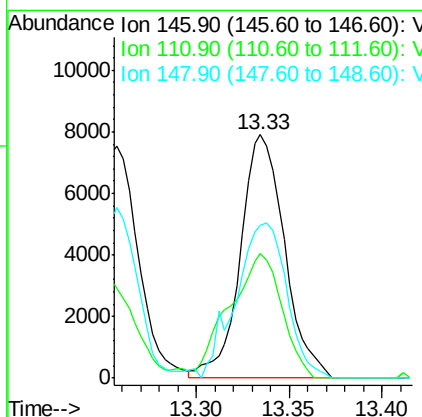
RT: 13.33 min Scan# 3606

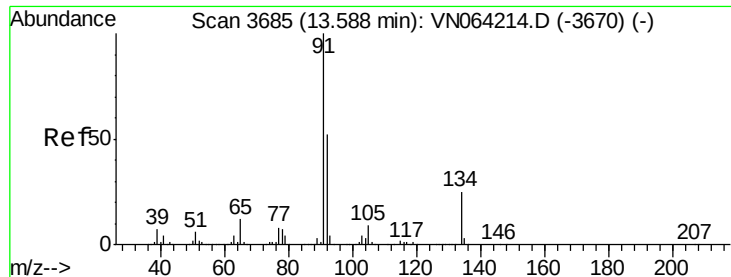
Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Tgt Ion:	146	Resp:	13162
Ion Ratio	Lower	Upper	
146	100		
111	60.6	21.5	64.5
148	73.2	32.0	96.0





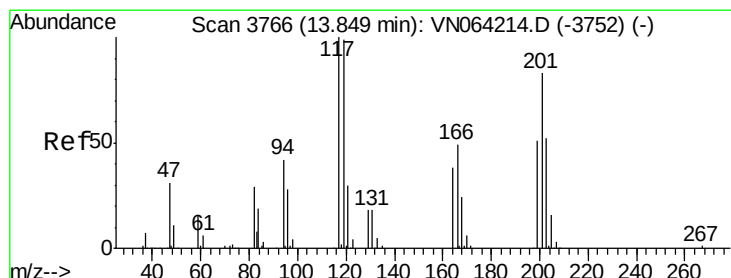
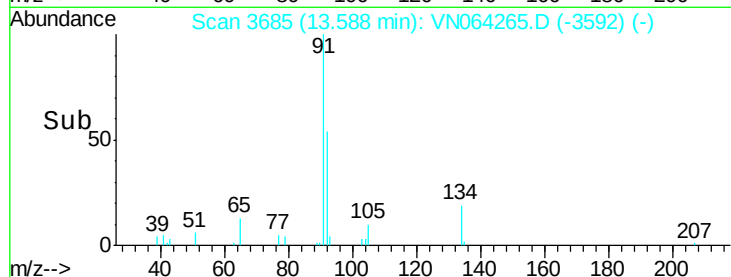
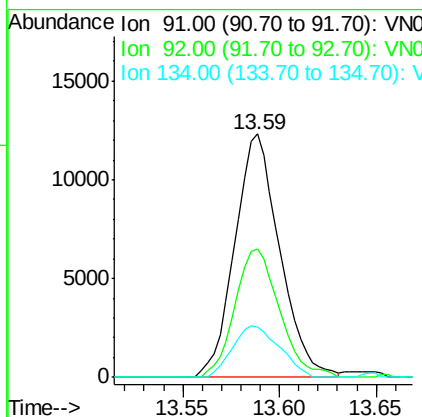
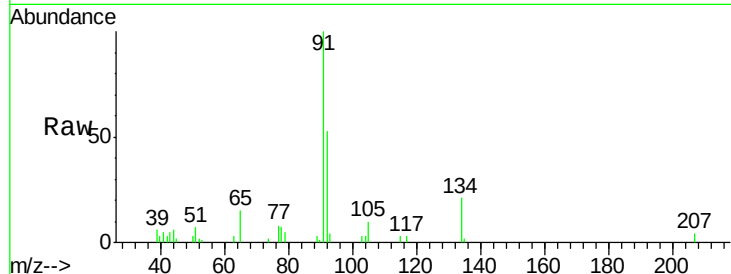
#89
n-Butylbenzene
Concen: 2.187 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	25.7	77.0
134	22.0	12.3	36.8

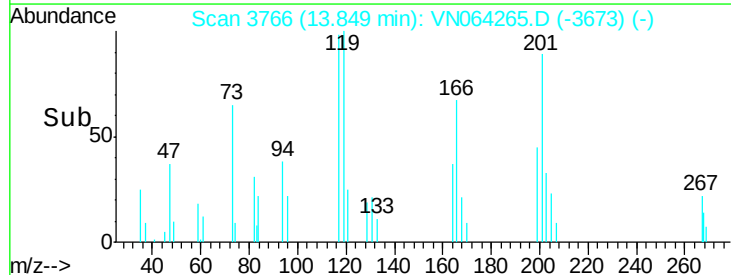
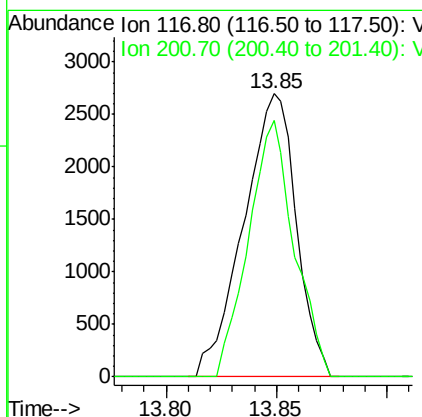
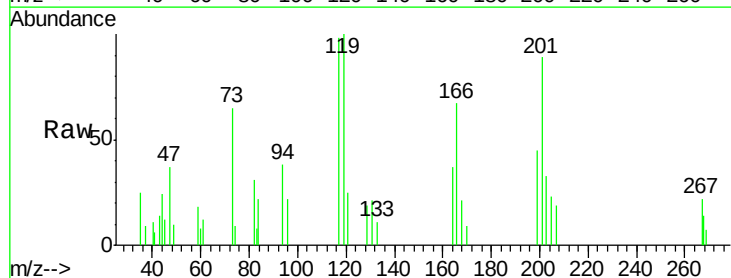
Manual Integrations
APPROVED

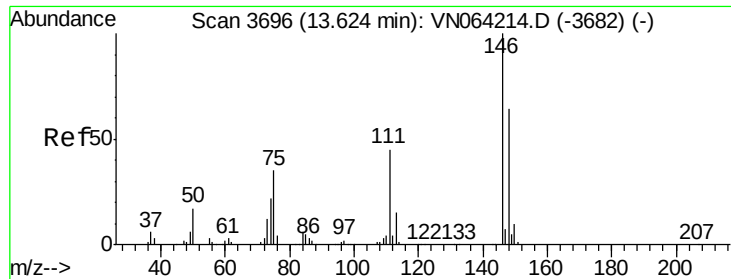
MMDadoda
10/23/2020 3:37:47 PM



#90
Hexachloroethane
Concen: 2.435 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.4	40.1	120.3





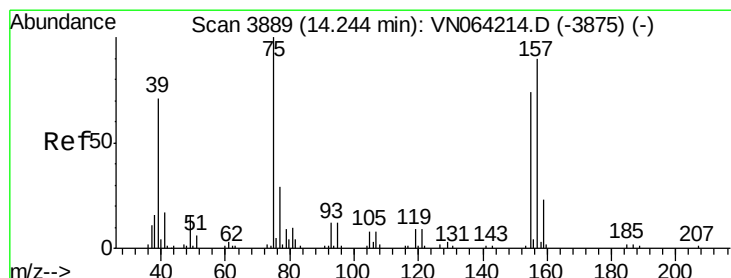
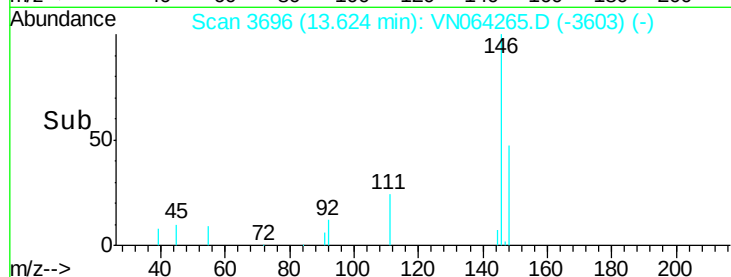
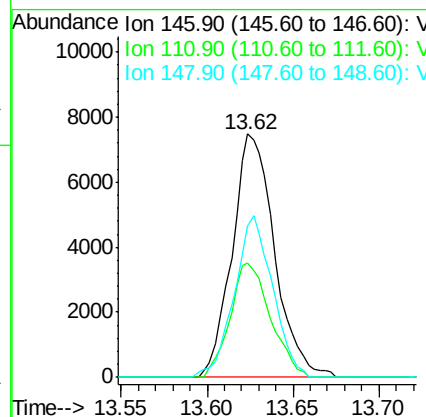
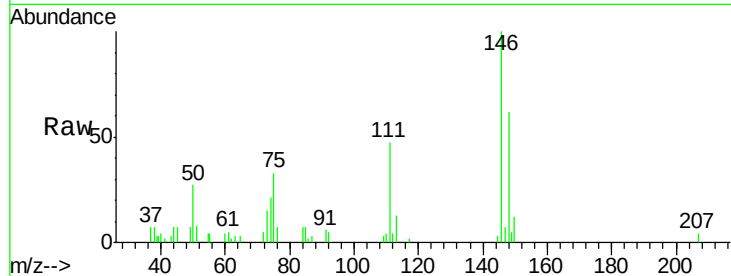
#91
 1,2-Dichlorobenzene
 Concen: 2.448 ug/l
 RT: 13.62 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN064265.D
 Acq: 22 Oct 2020 21:15

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.9	68.7
148	59.8	31.9	95.5

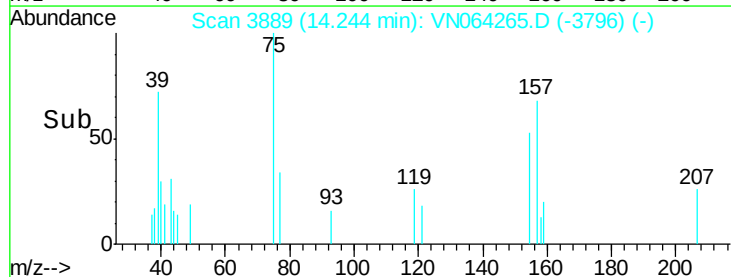
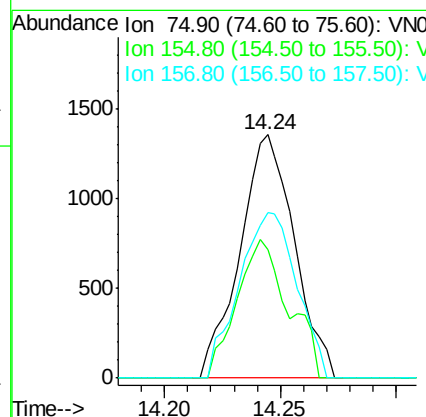
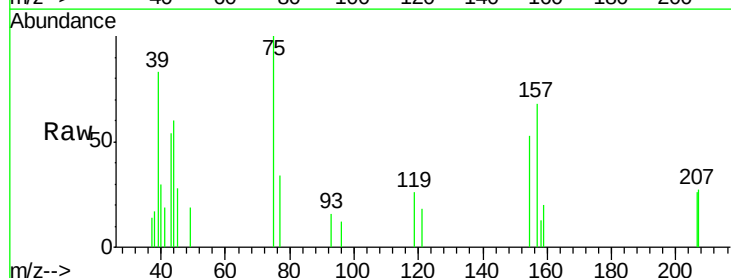
Manual Integrations
 APPROVED

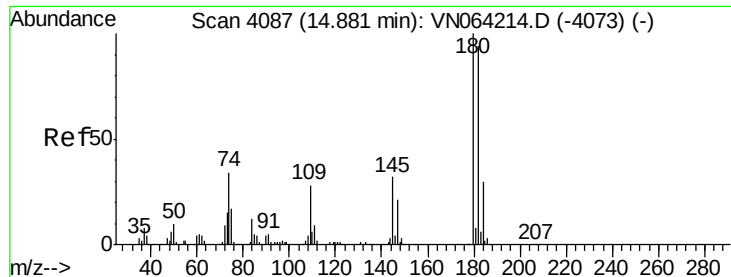
MMDadoda
 10/23/2020 3:37:47 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.625 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN064265.D
 Acq: 22 Oct 2020 21:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	53.9	36.9	110.7
157	71.8	44.6	133.8





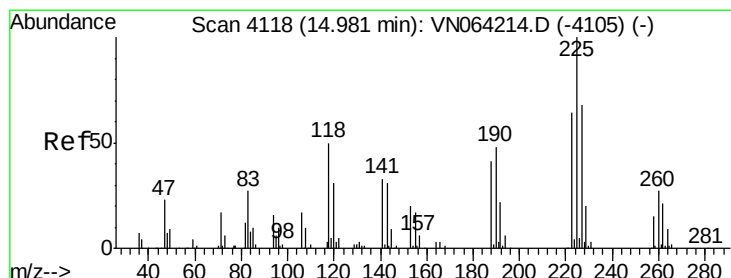
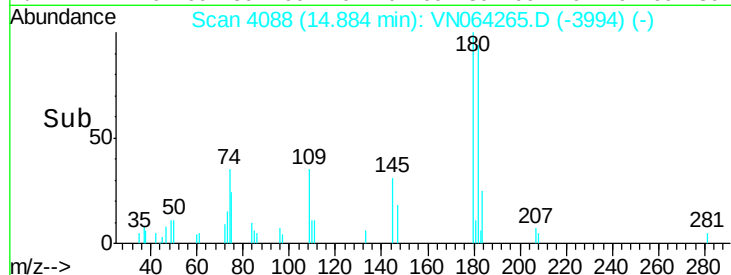
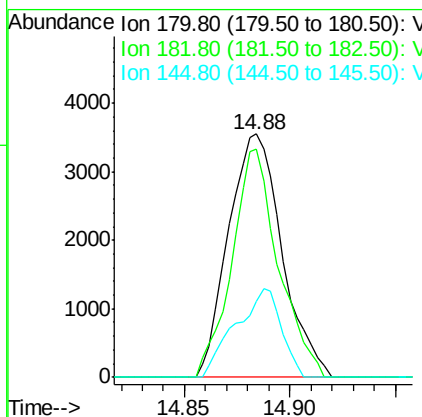
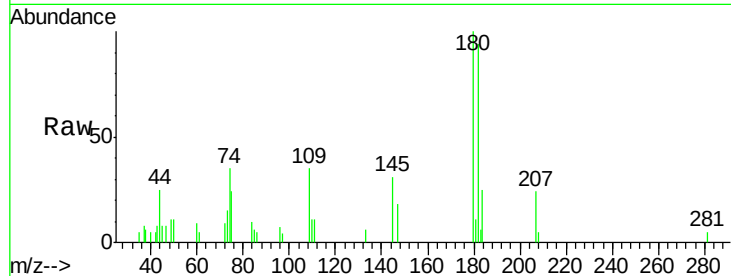
#93
 1,2,4-Trichlorobenzene
 Concen: 2.116 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064265.D
 Acq: 22 Oct 2020 21:15

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	81.4	46.9	140.7
145	31.3	16.1	48.3

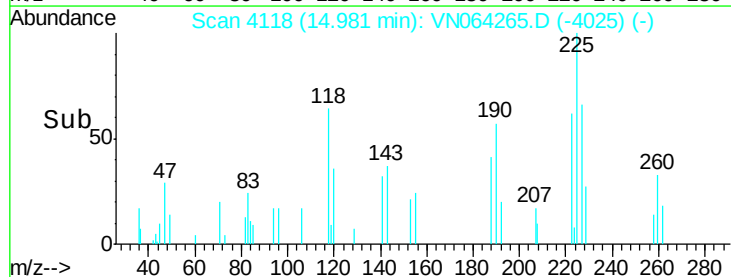
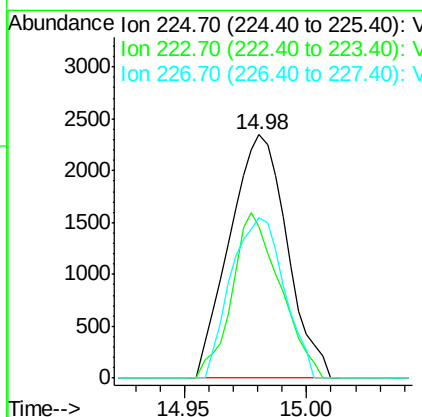
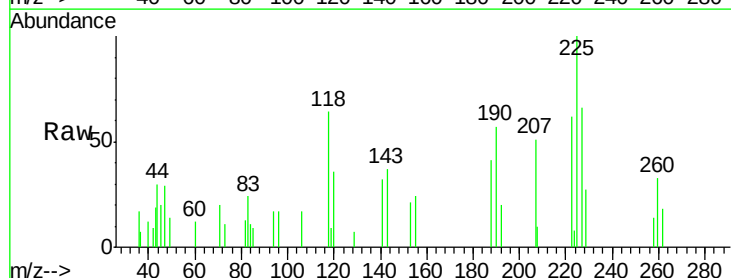
Manual Integrations
 APPROVED

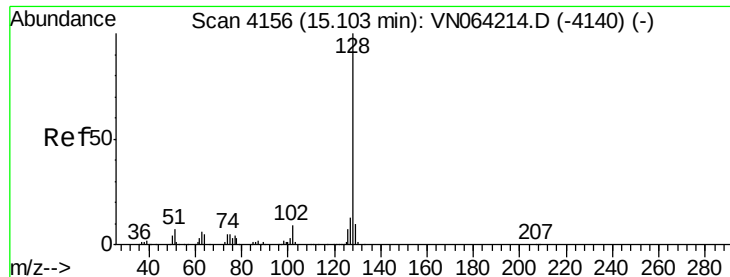
MMDadoda
 10/23/2020 3:37:47 PM



#94
 Hexachlorobutadiene
 Concen: 2.408 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064265.D
 Acq: 22 Oct 2020 21:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.2	31.5	94.5
227	61.3	32.1	96.5





#95

Naphthalene

Concen: 1.901 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

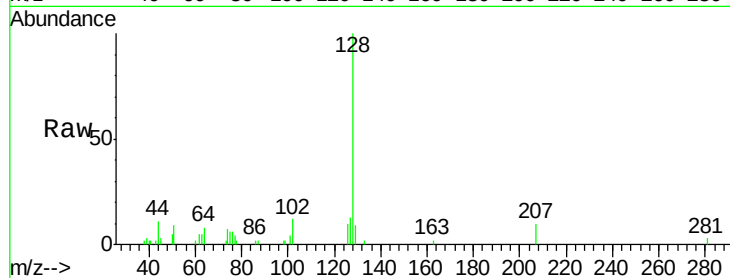
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	128	Resp:	16768
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.5	15.7
129	10.6	8.6	12.8

Manual Integrations
APPROVED

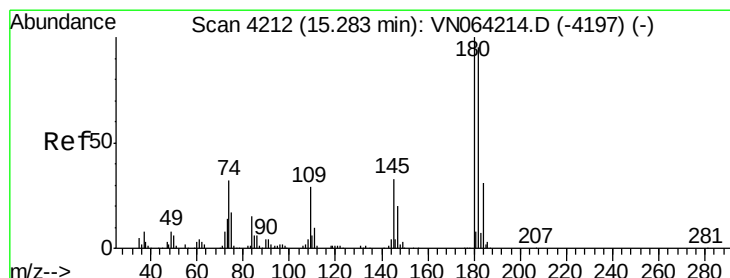
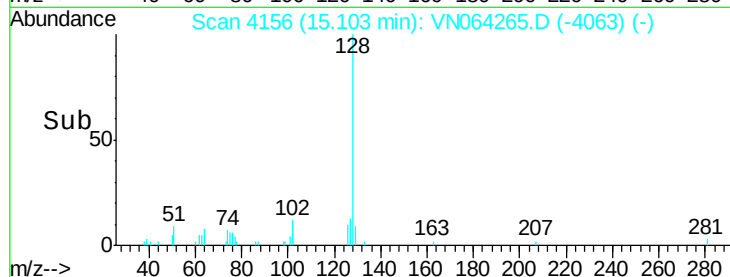
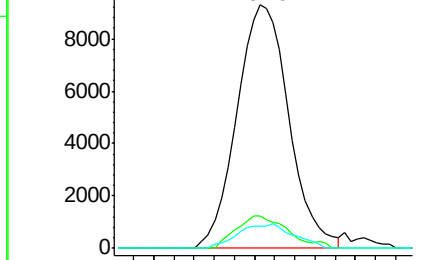
MMDadoda
10/23/2020 3:37:47 PM



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: 1.903 ug/l

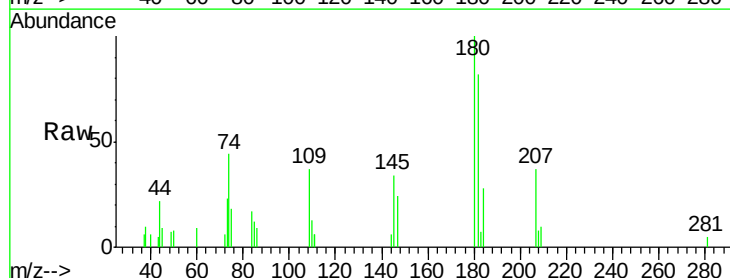
RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Tgt Ion:	180	Resp:	5553
Ion Ratio	Lower	Upper	
180	100		
182	91.1	48.0	144.2
145	35.6	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

