

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
 Data File : VN064267.D
 Acq On : 22 Oct 2020 22:02
 Operator : JC/MD
 Sample : L4214-08 5.0PPB LOQ
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Manual Integrations
 APPROVED

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 10/23/2020 3:37:58 PM

Quant Time: Oct 23 03:24:20 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	252274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	419974	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	369904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	168425	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	203740	54.38	ug/l	0.00
Spiked Amount			Recovery	=	108.76%	
35) Dibromofluoromethane	7.55	113	143418	51.36	ug/l	0.00
Spiked Amount			Recovery	=	102.72%	
50) Toluene-d8	10.06	98	497504	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
62) 4-Bromofluorobenzene	12.37	95	194523	47.37	ug/l	0.00
Spiked Amount			Recovery	=	94.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	12011	4.354	ug/l	95
3) Chloromethane	2.04	50	13365	4.584	ug/l	96
4) Vinyl Chloride	2.16	62	14144	4.893	ug/l	95
5) Bromomethane	2.53	94	9801	5.202	ug/l	89
6) Chloroethane	2.67	64	8379	4.761	ug/l	94
7) Trichlorofluoromethane	2.98	101	25177	5.296	ug/l	100
8) Diethyl Ether	3.37	74	8059	5.125	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.72	101	12211	4.967	ug/l #	84
10) Methyl Iodide	3.91	142	15876	4.542	ug/l	98
11) Tert butyl alcohol	4.73	59	13607m	27.132	ug/l	
12) 1,1-Dichloroethene	3.70	96	12424	5.255	ug/l	95
13) Acrolein	3.57	56	5721	18.173	ug/l	85
14) Allyl chloride	4.28	41	21060	4.450	ug/l #	68
15) Acrylonitrile	4.94	53	25504	24.594	ug/l	96
16) Acetone	3.78	43	28831	26.896	ug/l	99
17) Carbon Disulfide	4.01	76	31821	4.718	ug/l	97
18) Methyl Acetate	4.28	43	14426	5.281	ug/l #	72
19) Methyl tert-butyl Ether	4.99	73	43675	5.373	ug/l #	89
20) Methylene Chloride	4.51	84	14965	5.235	ug/l	95
21) trans-1,2-Dichloroethene	4.98	96	12952	4.968	ug/l	94
22) Diisopropyl ether	5.90	45	42490	4.830	ug/l	97
23) Vinyl Acetate	5.84	43	200955	25.615	ug/l	98
24) 1,1-Dichloroethane	5.80	63	27576	5.411	ug/l	99
25) 2-Butanone	6.79	43	42578	25.000	ug/l	95
26) 2,2-Dichloropropane	6.77	77	23857	4.702	ug/l	88
27) cis-1,2-Dichloroethene	6.78	96	16408	5.404	ug/l	96
28) Bromochloromethane	7.14	49	13245	5.471	ug/l #	93
29) Tetrahydrofuran	7.16	42	28419	27.896	ug/l #	86
30) Chloroform	7.33	83	28019	5.154	ug/l	95
31) Cyclohexane	7.62	56	25276	5.691	ug/l #	83
32) 1,1,1-Trichloroethane	7.53	97	27377	5.376	ug/l	99
36) 1,1-Dichloropropene	7.75	75	20238	4.834	ug/l	97
37) Ethyl Acetate	6.88	43	19796	5.207	ug/l	97
38) Carbon Tetrachloride	7.73	117	25761	5.408	ug/l	94

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	17756	4.664	ug/l	96
40) Benzene	8.00	78	57566	4.981	ug/l	95
41) Methacrylonitrile	7.12	41	9383	4.705	ug/l	96
42) 1,2-Dichloroethane	8.09	62	25030	5.055	ug/l	99
43) Isopropyl Acetate	8.13	43	38296	5.405	ug/l	94
44) Trichloroethene	8.80	130	16516	5.244	ug/l	87
45) 1,2-Dichloropropane	9.09	63	14901	4.829	ug/l	91
46) Dibromomethane	9.18	93	11947	5.766	ug/l	98
47) Bromodichloromethane	9.37	83	23981	5.239	ug/l	96
48) Methyl methacrylate	9.16	41	17341	4.686	ug/l	95
49) 1,4-Dioxane	9.17	88	4388	101.334	ug/l #	85
51) 4-Methyl-2-Pentanone	9.95	43	96486	25.482	ug/l	100
52) Toluene	10.13	92	35151	4.753	ug/l	90
53) t-1,3-Dichloropropene	10.35	75	26191	5.151	ug/l	90
54) cis-1,3-Dichloropropene	9.81	75	25378	4.740	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	14858	5.320	ug/l	95
56) Ethyl methacrylate	10.40	69	20785	4.813	ug/l	94
57) 1,3-Dichloropropane	10.68	76	25336	5.222	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	56615	25.458	ug/l	97
59) 2-Hexanone	10.72	43	67877	24.546	ug/l	100
60) Dibromochloromethane	10.87	129	17116	4.734	ug/l	99
61) 1,2-Dibromoethane	10.98	107	14999	5.089	ug/l	100
64) Tetrachloroethene	10.60	164	16266	5.462	ug/l	90
65) Chlorobenzene	11.41	112	39627	5.175	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	15854	5.216	ug/l	98
67) Ethyl Benzene	11.48	91	70897	5.038	ug/l	96
68) m/p-Xylenes	11.59	106	49296	9.455	ug/l	97
69) o-Xylene	11.92	106	24974	4.953	ug/l	96
70) Styrene	11.94	104	40043	4.738	ug/l	95
71) Bromoform	12.10	173	10996	4.683	ug/l #	95
73) Isopropylbenzene	12.22	105	66284	5.160	ug/l	100
74) N-amyl acetate	12.04	43	27529	4.960	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	18767	5.505	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	19013m	5.355	ug/l	
77) Bromobenzene	12.50	156	16208	5.345	ug/l	99
78) n-propylbenzene	12.56	91	77016	5.318	ug/l	99
79) 2-Chlorotoluene	12.65	91	47816	5.375	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	57361	5.282	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.28	75	6186	4.399	ug/l #	85
82) 4-Chlorotoluene	12.75	91	49413	5.325	ug/l	97
83) tert-Butylbenzene	12.97	119	45478	5.108	ug/l	95
84) 1,2,4-Trimethylbenzene	13.01	105	56367	5.215	ug/l	98
85) sec-Butylbenzene	13.14	105	56132	5.001	ug/l	100
86) p-Isopropyltoluene	13.26	119	52948	5.180	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	26778	4.963	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	27795	5.033	ug/l	91
89) n-Butylbenzene	13.59	91	45931	5.013	ug/l	97
90) Hexachloroethane	13.85	117	8326	4.498	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	26211	4.951	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.24	75	4689	5.514	ug/l	94

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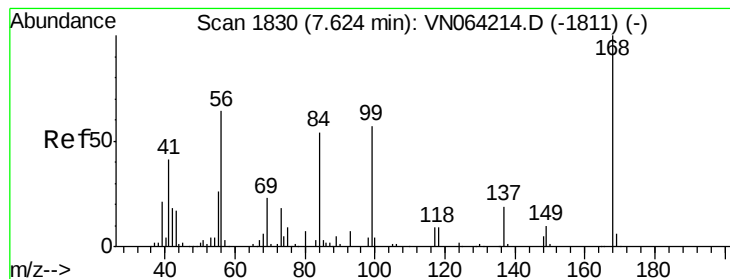
Manual Integrations
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10/23/2020 3:37:58 PM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	14150	4.766	ug/l	97
94) Hexachlorobutadiene	14.98	225	7703	4.810	ug/l	91
95) Naphthalene	15.11	128	39327	4.423	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	13277	4.515	ug/l	98

(#) = 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: VN064267.D

Acq: 22 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:168 Resp: 252274

Ion Ratio Lower Upper

168 100

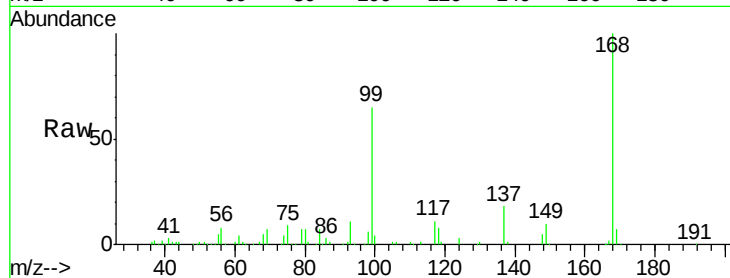
99 65.0 54.0 81.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

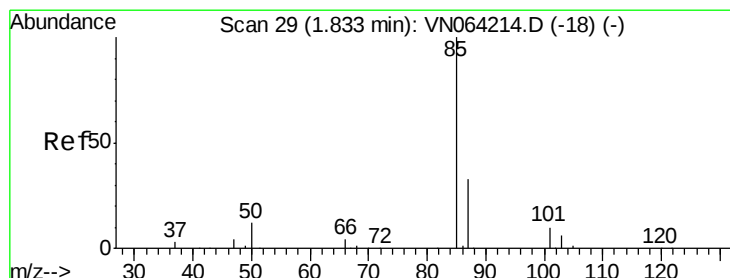
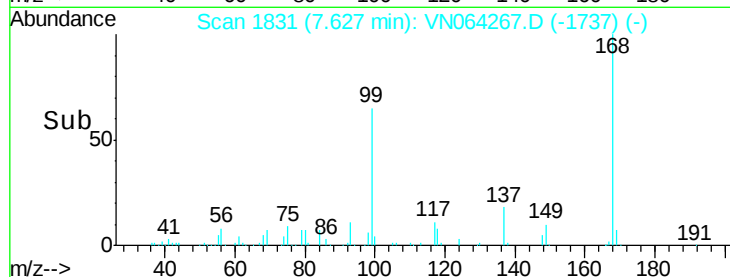
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 4.354 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064267.D

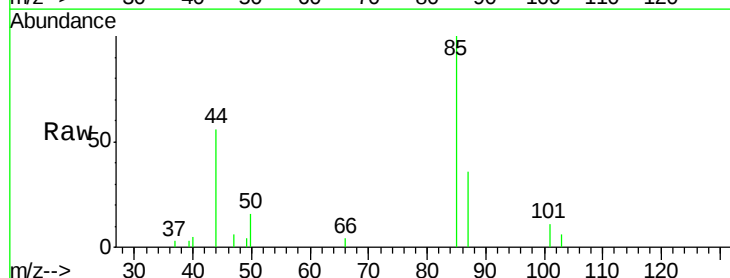
Acq: 22 Oct 2020 22:02

Tgt Ion: 85 Resp: 12011

Ion Ratio Lower Upper

85 100

87 36.2 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

10000

8000

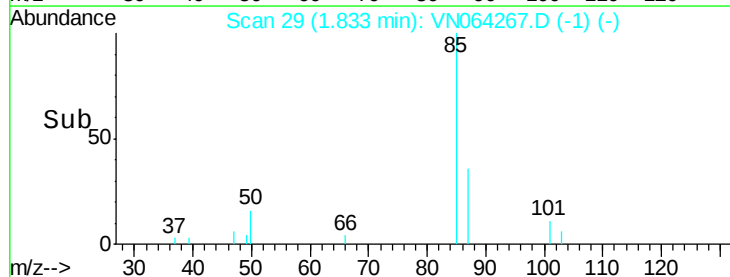
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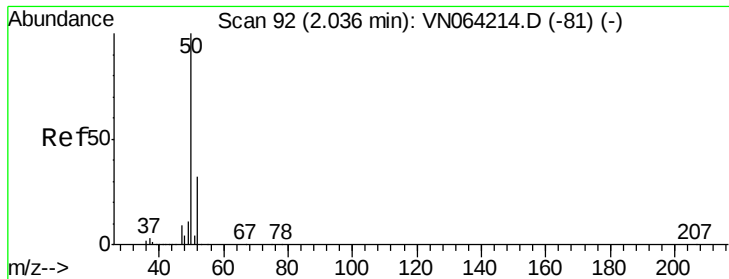
4000

2000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 4.584 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 50 Resp: 13365

Ion Ratio Lower Upper

50 100

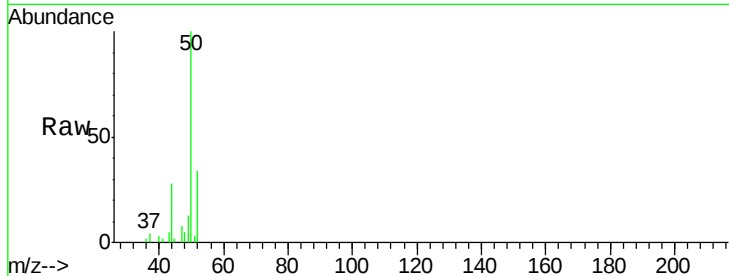
52 33.7 25.3 37.9

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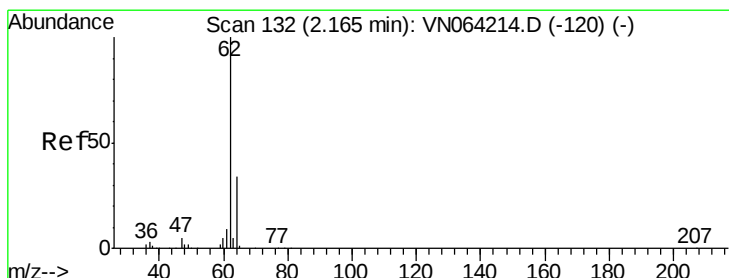
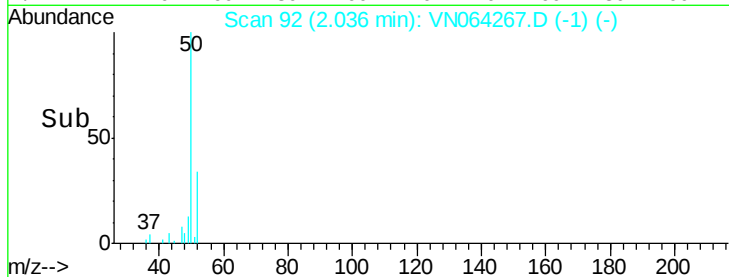
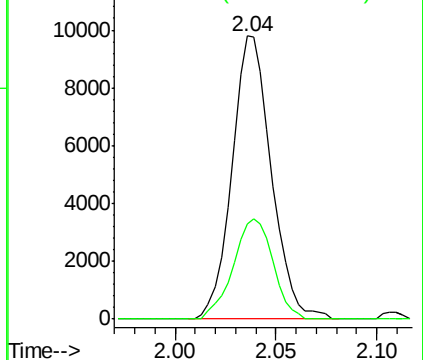
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 4.893 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064267.D

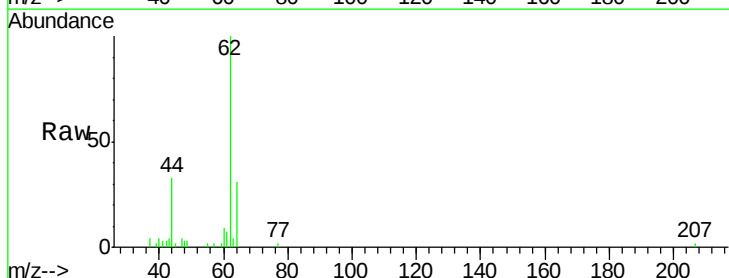
Acq: 22 Oct 2020 22:02

Tgt Ion: 62 Resp: 14144

Ion Ratio Lower Upper

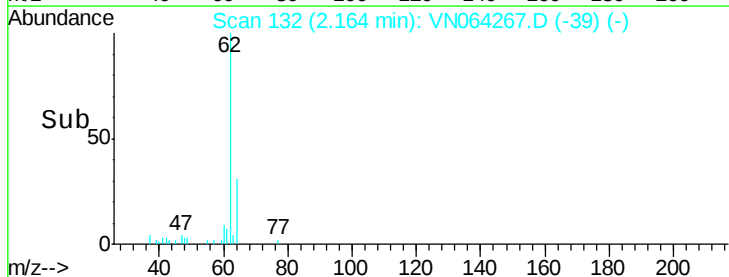
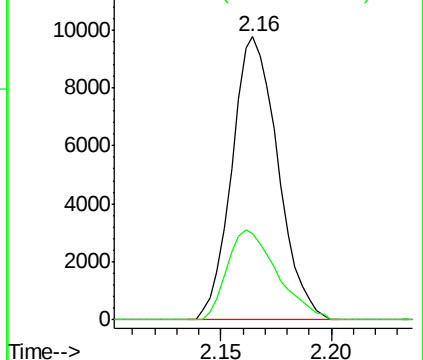
62 100

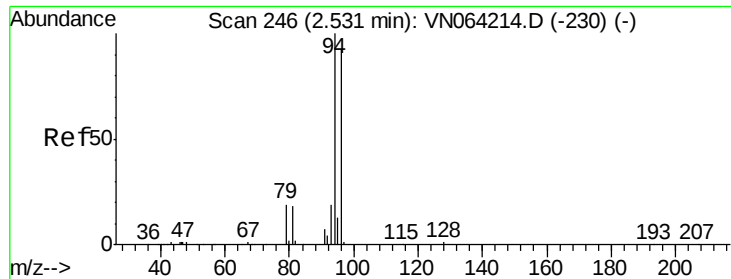
64 30.5 26.8 40.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 5.202 ug/l

RT: 2.53 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Instrument :

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ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 94 Resp: 9801

Ion Ratio Lower Upper

94 100

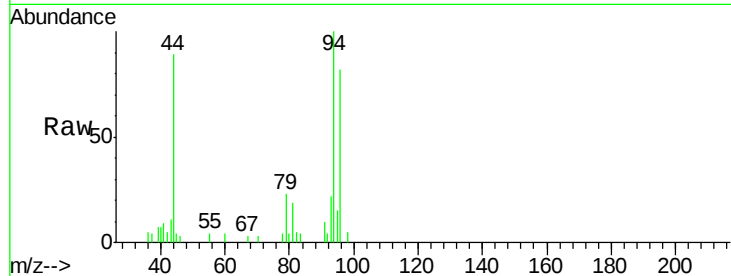
96 82.4 74.2 111.4

Manual Integrations

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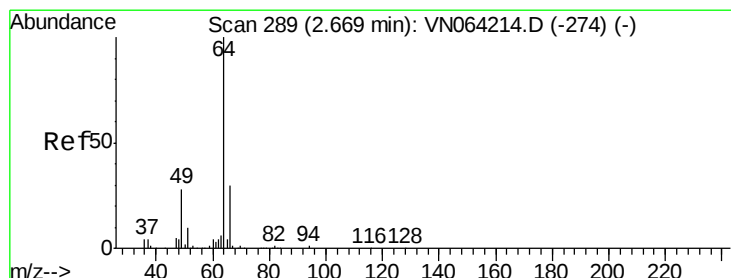
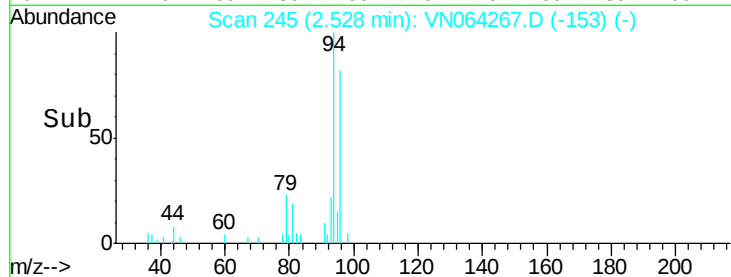
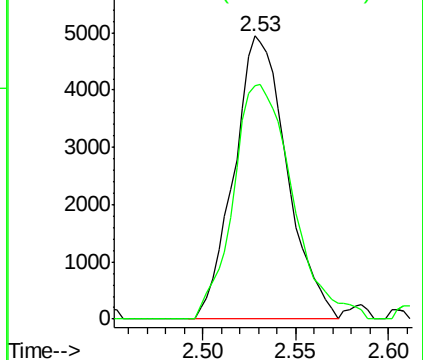
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 4.761 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064267.D

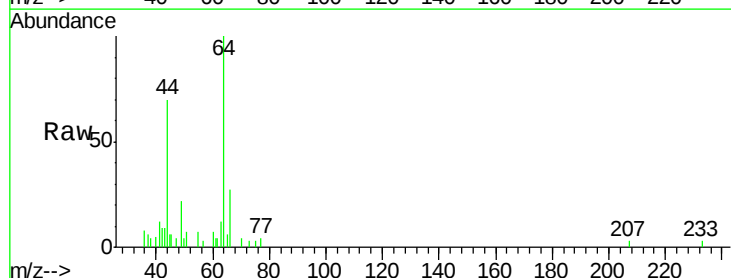
Acq: 22 Oct 2020 22:02

Tgt Ion: 64 Resp: 8379

Ion Ratio Lower Upper

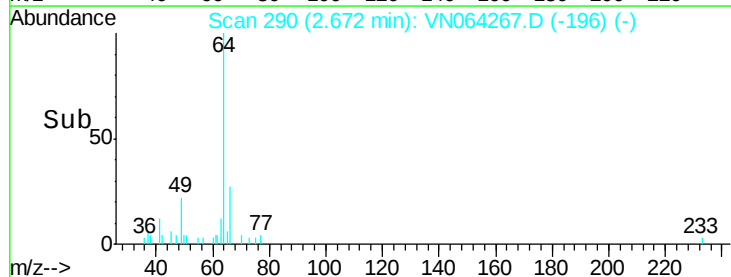
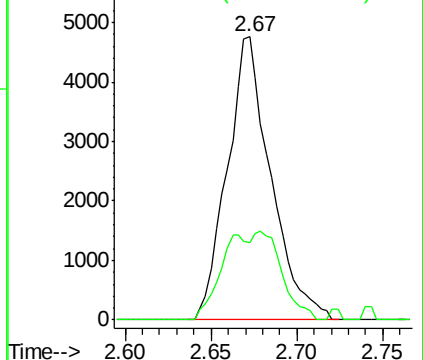
64 100

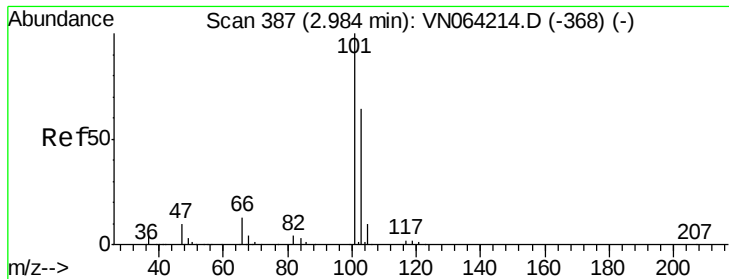
66 27.5 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

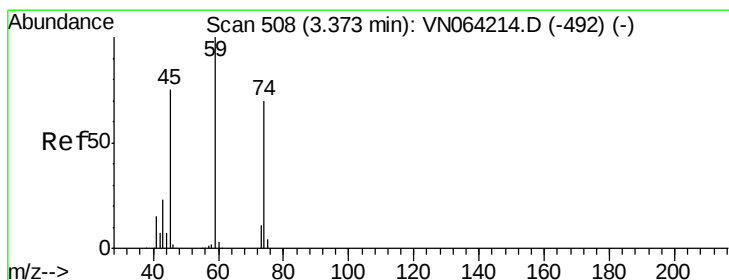
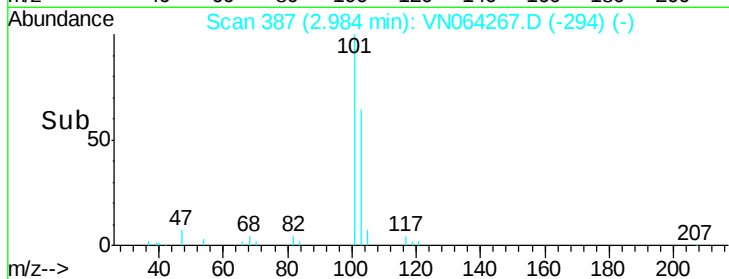
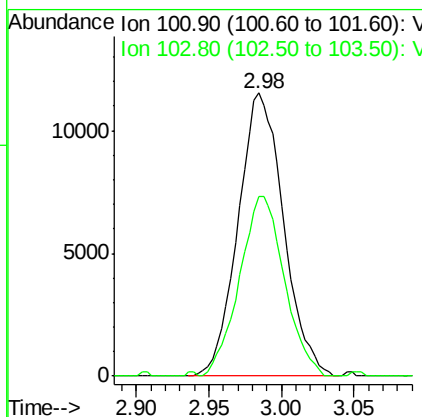
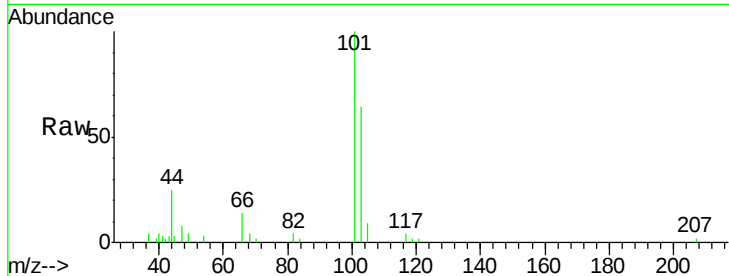
Trichlorofluoromethane
Concen: 5.296 ug/l
RT: 2.98 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

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LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.0	76.6

Manual Integrations
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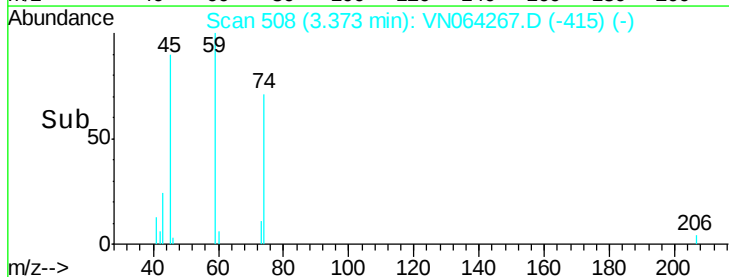
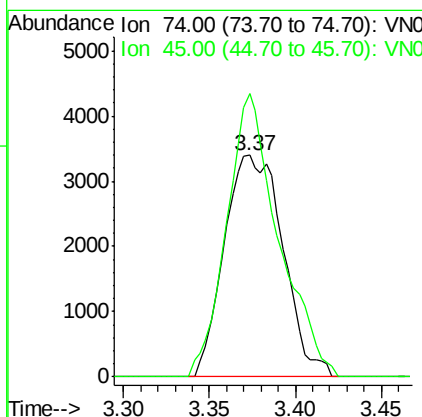
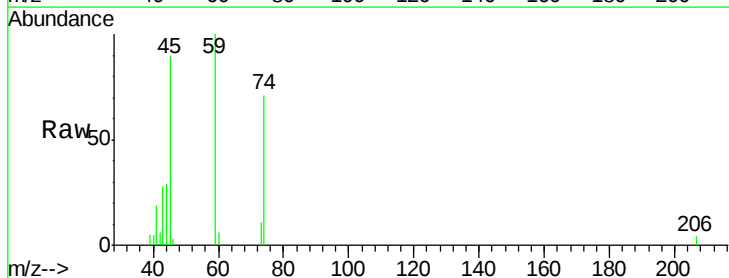
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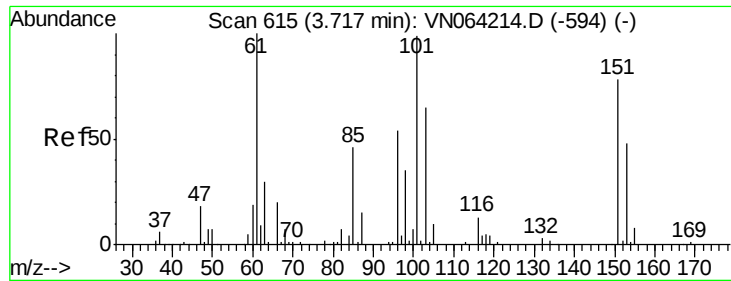


#8

Diethyl Ether
Concen: 5.125 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.8	51.3	154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.967 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

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MSVOA_N

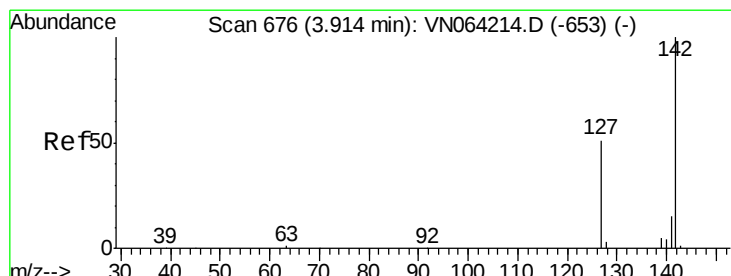
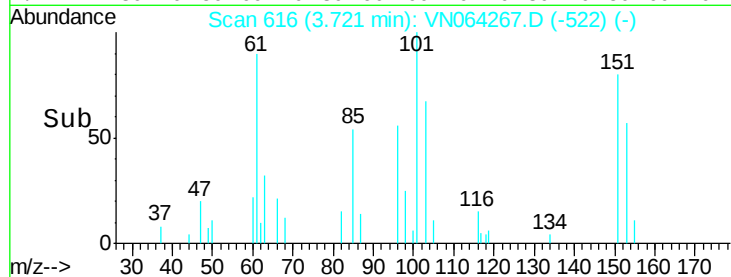
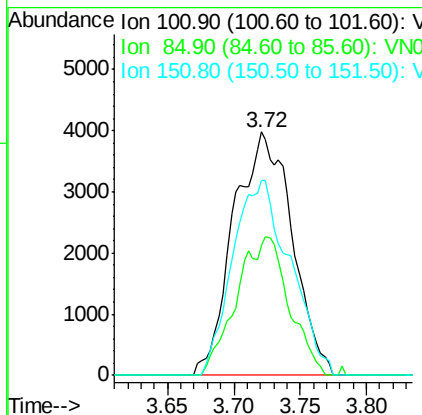
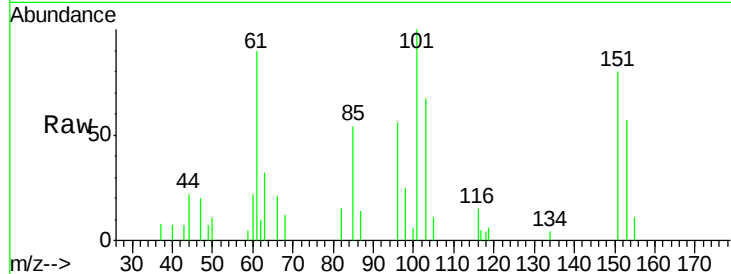
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:	101	Resp:	12211
Ion Ratio	Lower	Upper	
101	100		
85	22.6	37.8	56.8#
151	78.9	61.4	92.2

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#10

Methyl Iodide

Concen: 4.542 ug/l

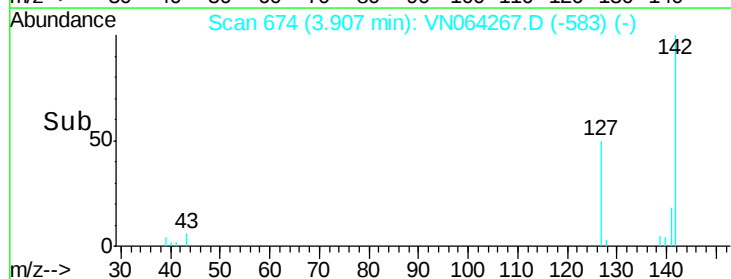
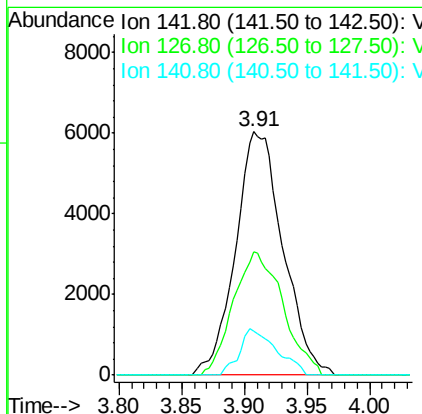
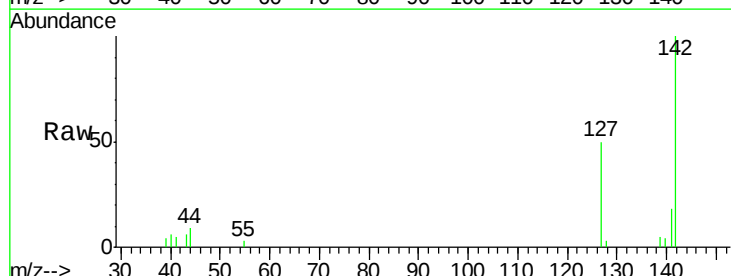
RT: 3.91 min Scan# 674

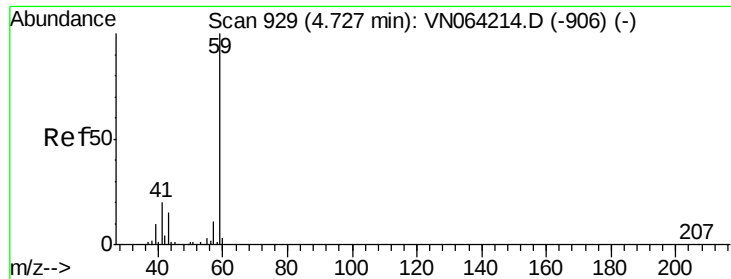
Delta R.T. -0.01 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Tgt Ion:	142	Resp:	15876
Ion Ratio	Lower	Upper	
142	100		
127	52.8	41.0	61.6
141	14.9	11.3	16.9





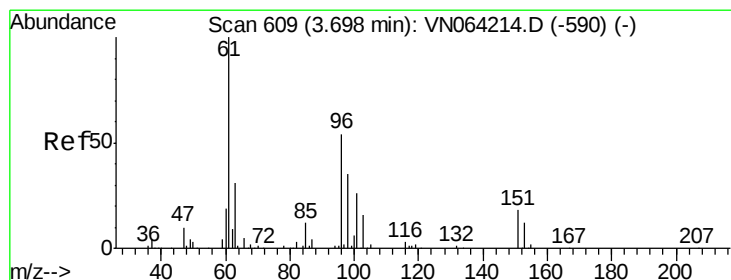
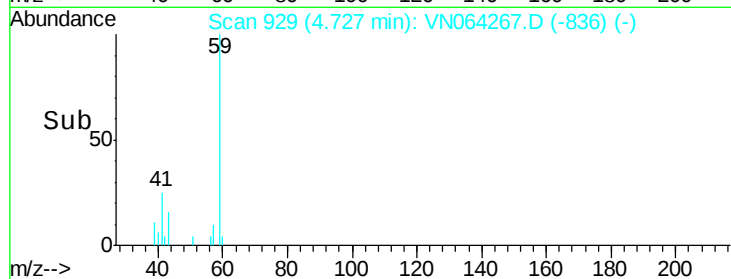
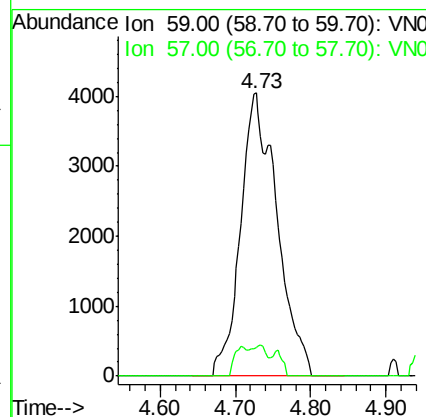
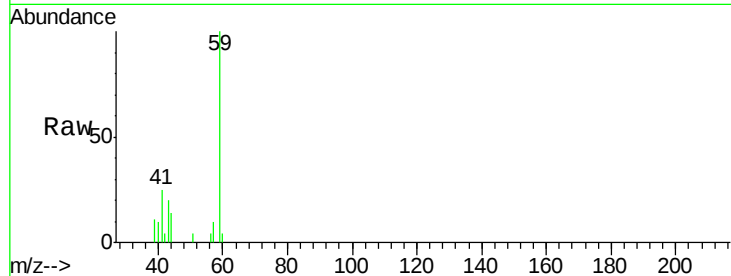
#11
Tert butyl alcohol
Concen: 27.132 ug/l m
RT: 4.73 min Scan# 929
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion: 59 Resp: 13607
Ion Ratio Lower Upper
59 100
57 4.0 9.2 13.8#

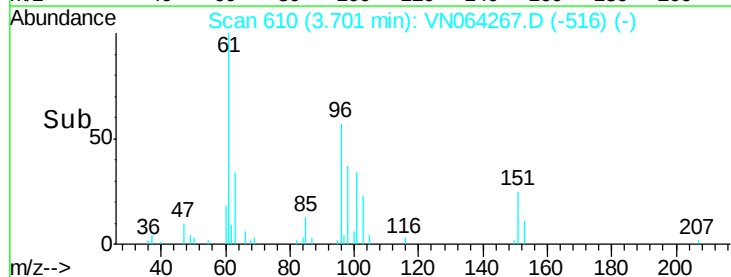
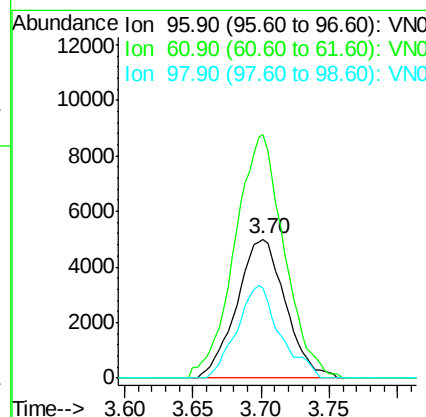
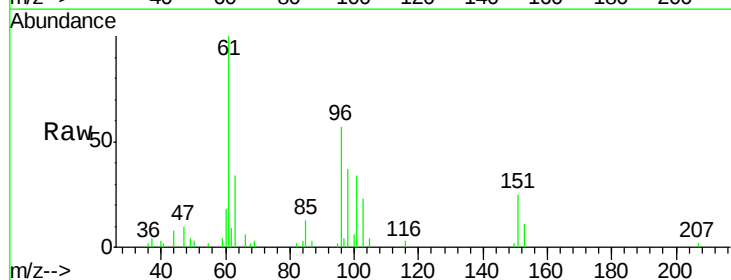
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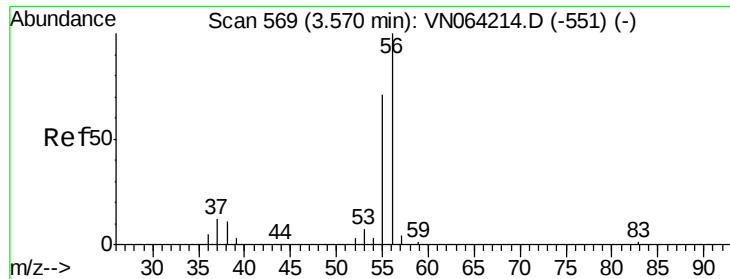
MMDadoda
10/23/2020 3:37:58 PM



#12
1,1-Dichloroethene
Concen: 5.255 ug/l
RT: 3.70 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Tgt Ion: 96 Resp: 12424
Ion Ratio Lower Upper
96 100
61 175.0 147.0 220.4
98 64.7 51.7 77.5





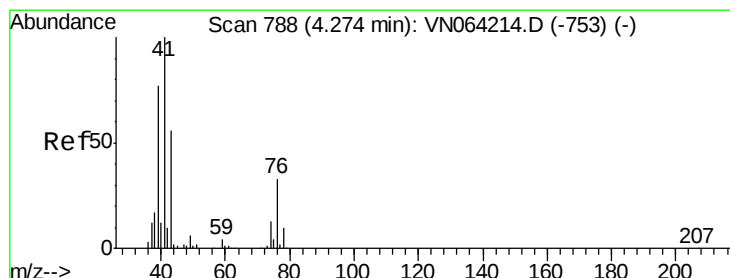
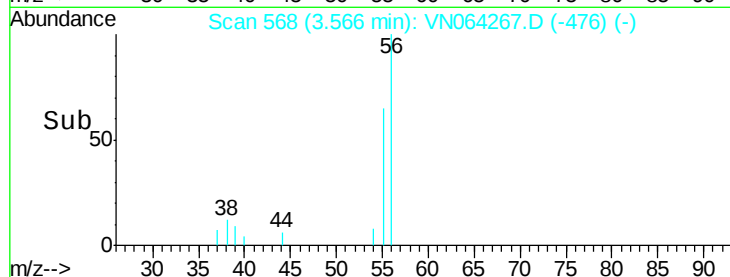
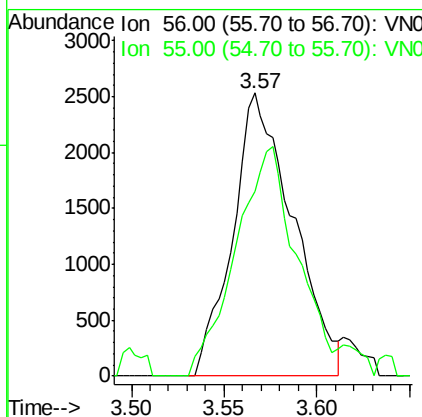
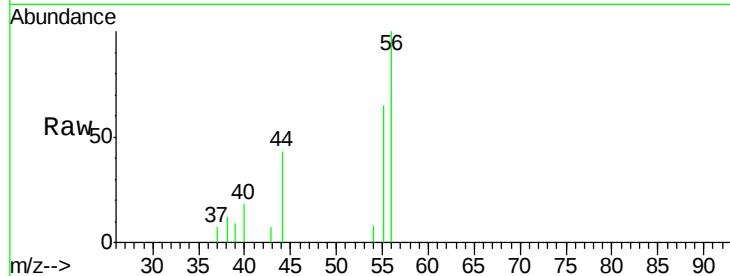
#13
Acrolein
Concen: 18.173 ug/l
RT: 3.57 min Scan# 568
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion: 56 Resp: 5721
Ion Ratio Lower Upper
56 100
55 82.6 56.1 84.1

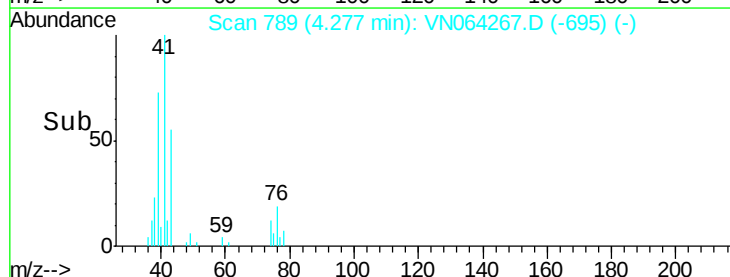
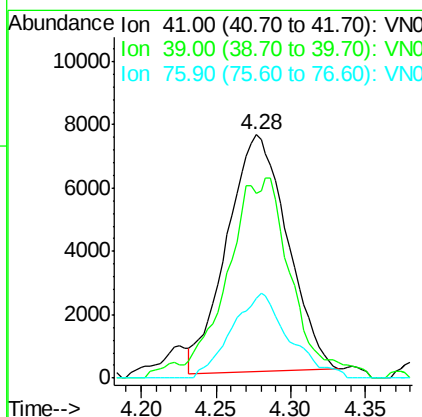
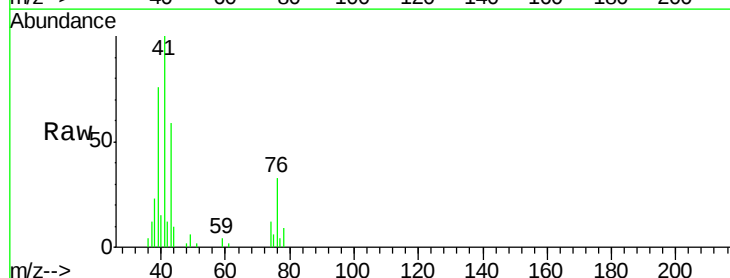
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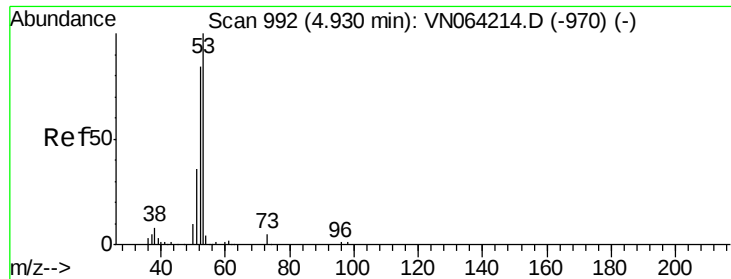
MMDadoda
10/23/2020 3:37:58 PM



#14
Allyl chloride
Concen: 4.450 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Tgt Ion: 41 Resp: 21060
Ion Ratio Lower Upper
41 100
39 37.0 58.6 88.0#
76 33.9 24.5 36.7





#15

Acrylonitrile

Concen: 24.594 ug/l

RT: 4.94 min Scan# 995

Delta R.T. 0.01 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Instrument :

MSVOA_N

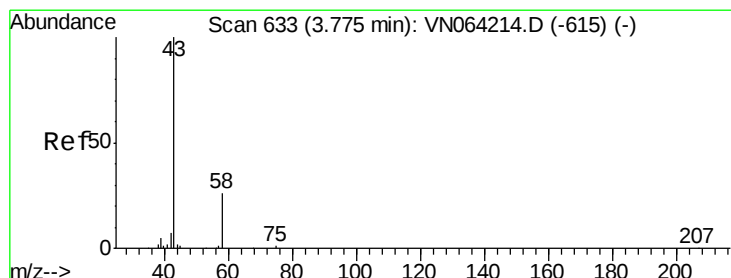
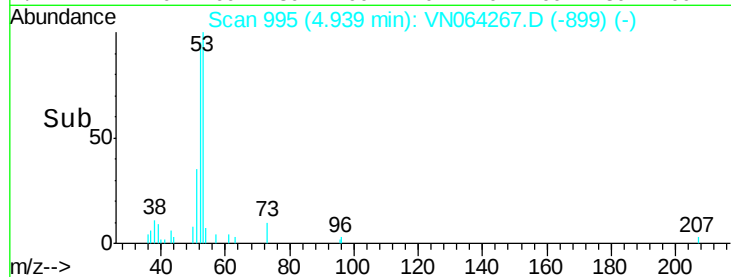
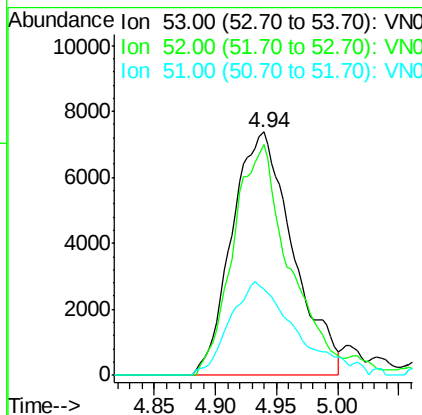
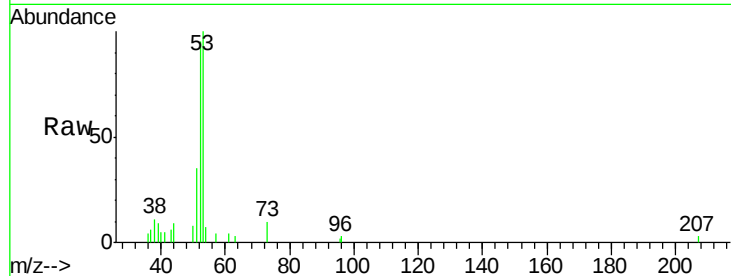
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:	53	Resp:	25504
Ion	Ratio	Lower	Upper
53	100		
52	87.6	66.8	100.2
51	40.5	30.7	46.1

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#16

Acetone

Concen: 26.896 ug/l

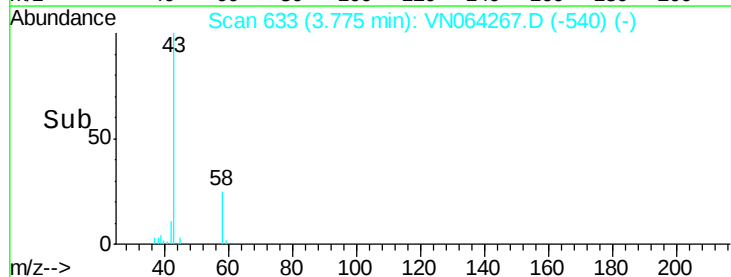
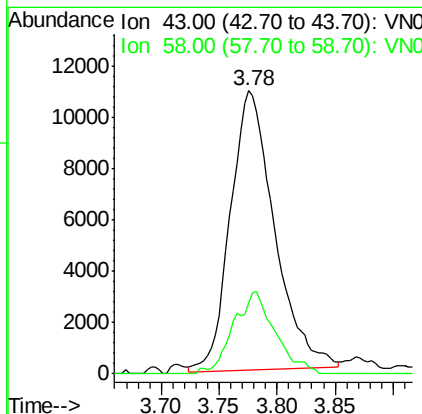
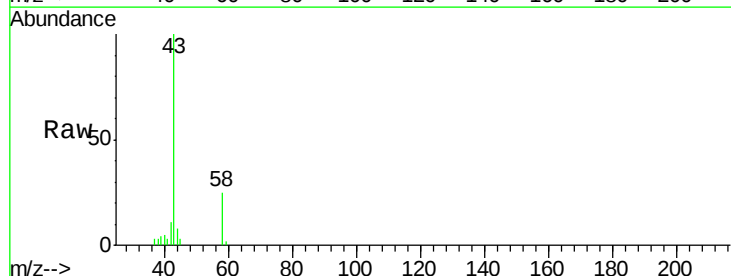
RT: 3.78 min Scan# 633

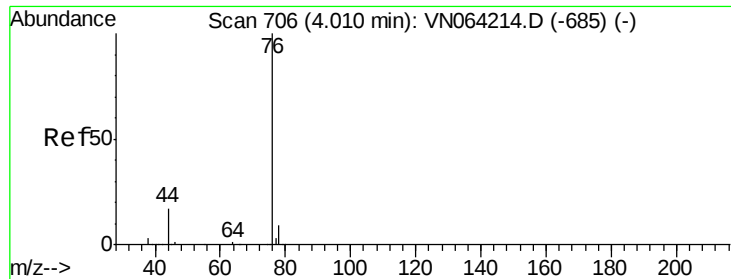
Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Tgt Ion:	43	Resp:	28831
Ion	Ratio	Lower	Upper
43	100		
58	25.6	21.0	31.4





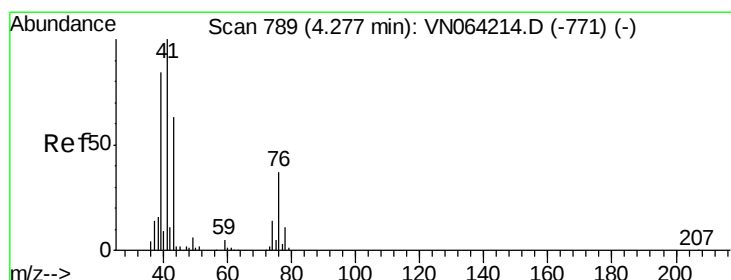
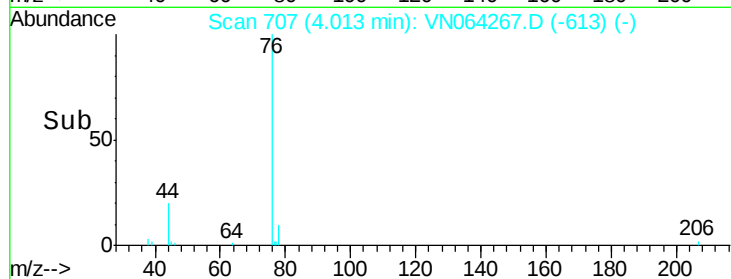
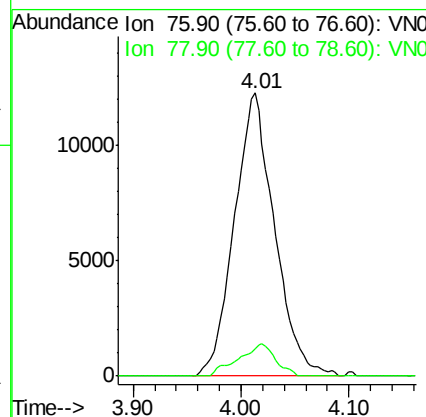
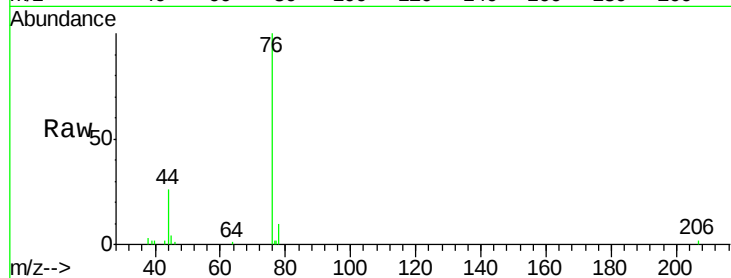
#17
Carbon Disulfide
Concen: 4.718 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion: 76 Resp: 31821
Ion Ratio Lower Upper
76 100
78 9.9 7.1 10.7

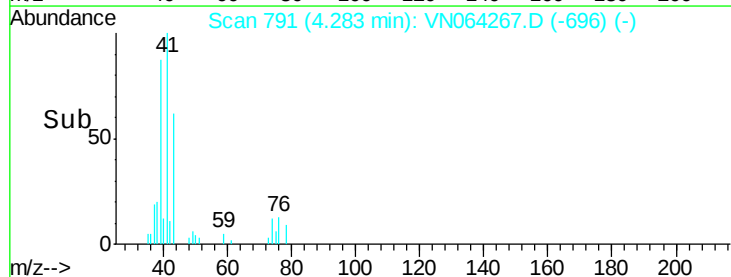
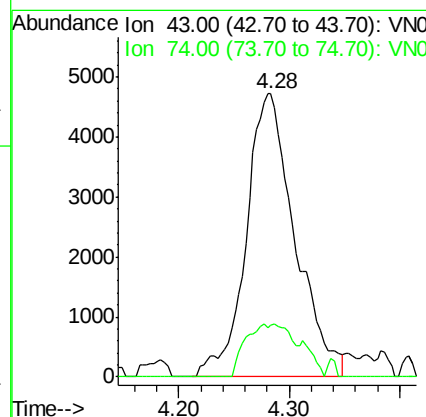
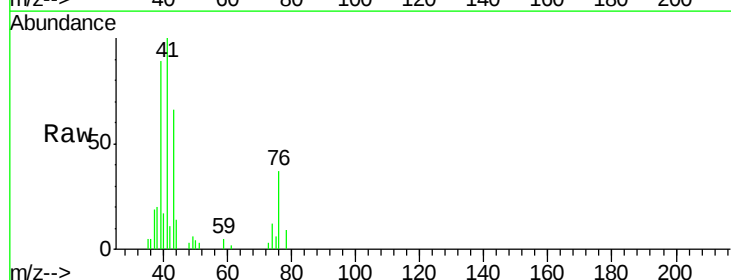
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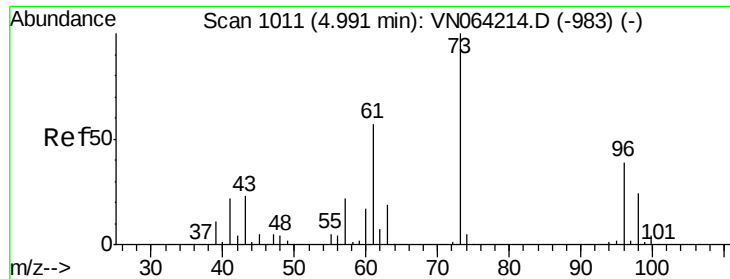
MMDadoda
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#18
Methyl Acetate
Concen: 5.281 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Tgt Ion: 43 Resp: 14426
Ion Ratio Lower Upper
43 100
74 8.9 17.9 26.9#





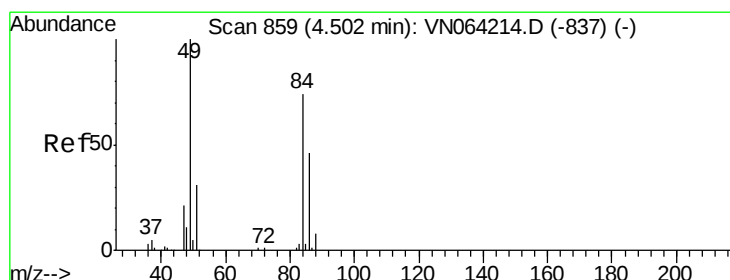
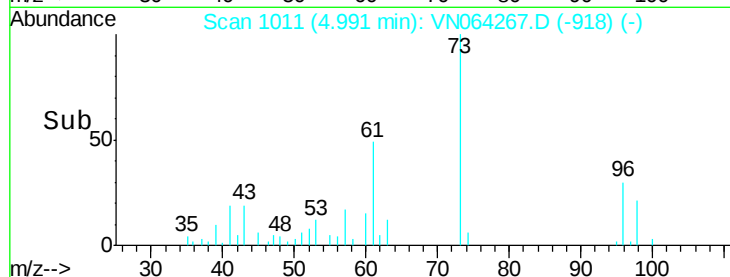
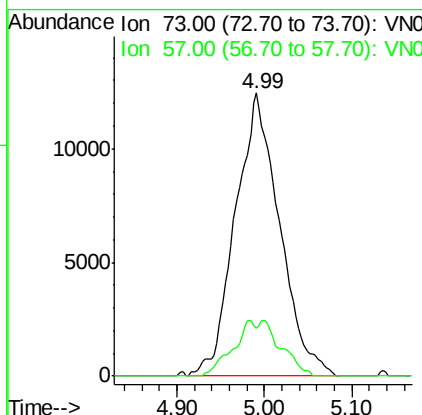
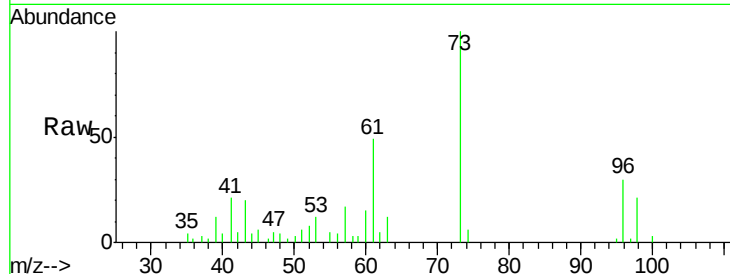
#19
Methvl tert-butvl Ether
Concen: 5.373 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion: 73 Resp: 43675
Ion Ratio Lower Upper
73 100
57 17.1 18.0 27.0#

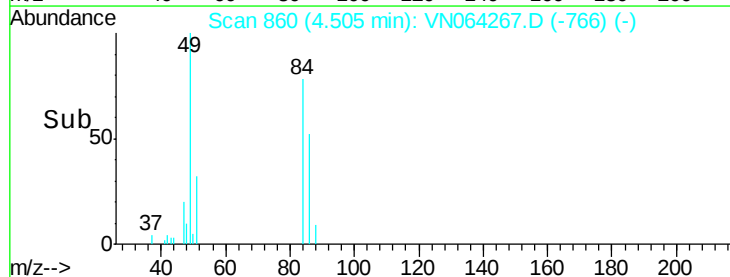
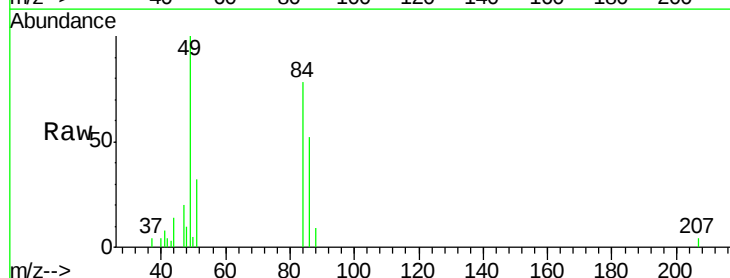
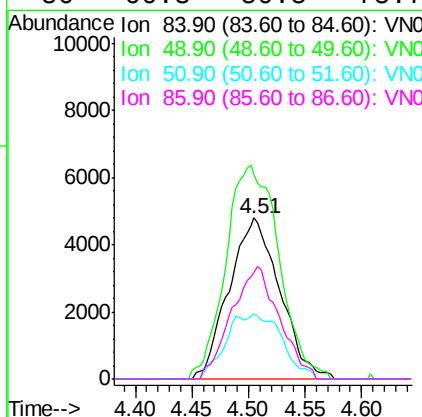
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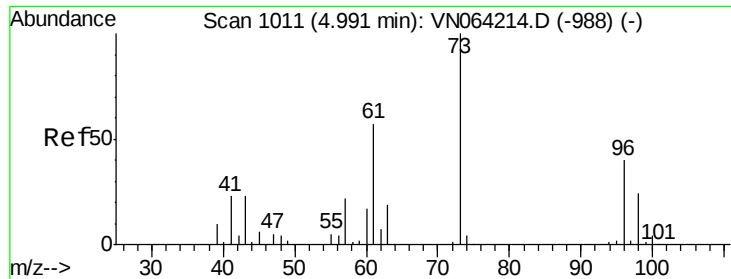
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#20
Methylene Chloride
Concen: 5.235 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Tgt Ion: 84 Resp: 14965
Ion Ratio Lower Upper
84 100
49 127.7 108.5 162.7
51 40.3 33.8 50.8
86 66.3 50.5 75.7





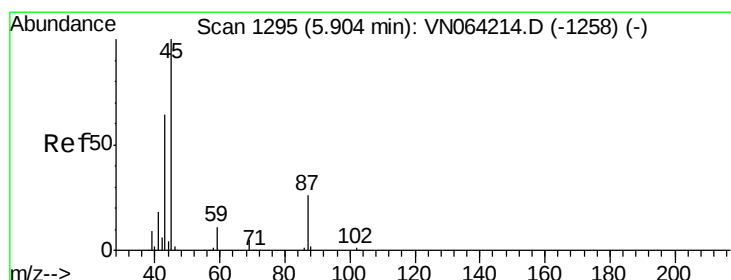
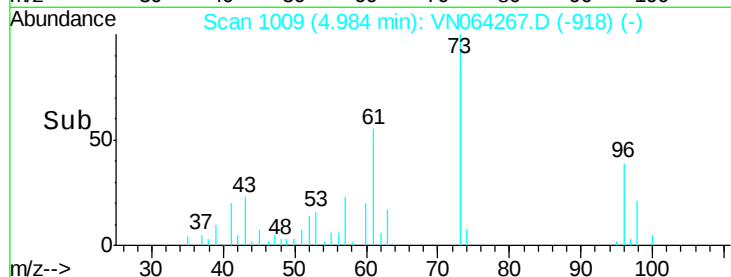
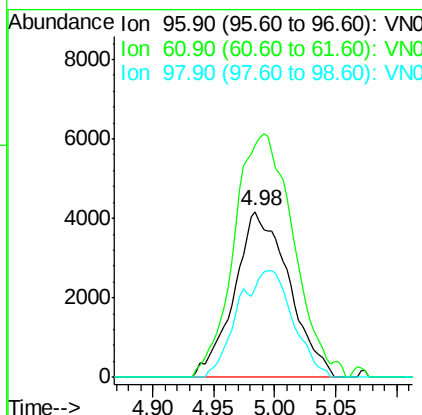
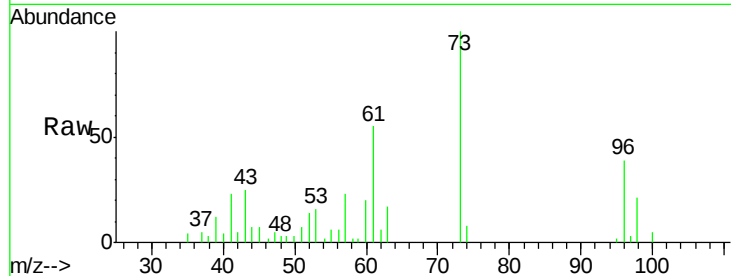
#21
trans-1,2-Dichloroethene
Concen: 4.968 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.6	115.8	173.6
98	53.1	49.4	74.0

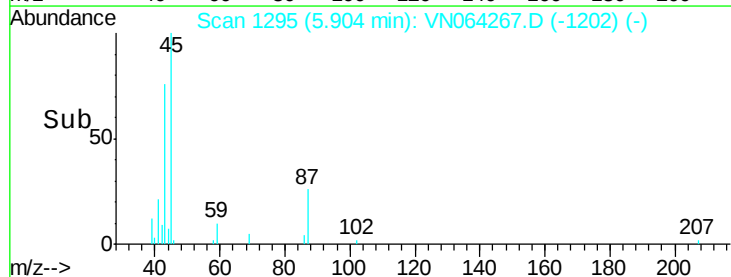
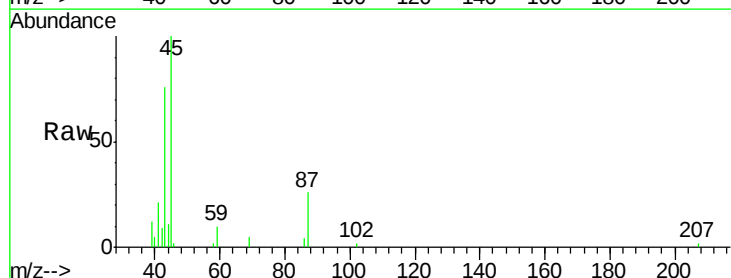
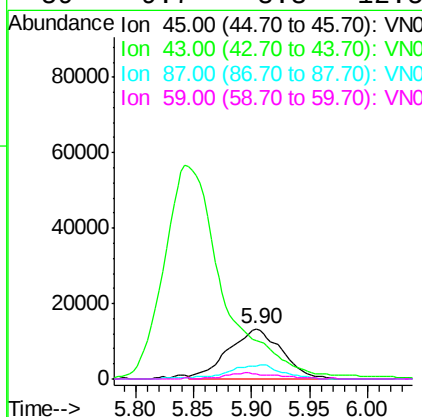
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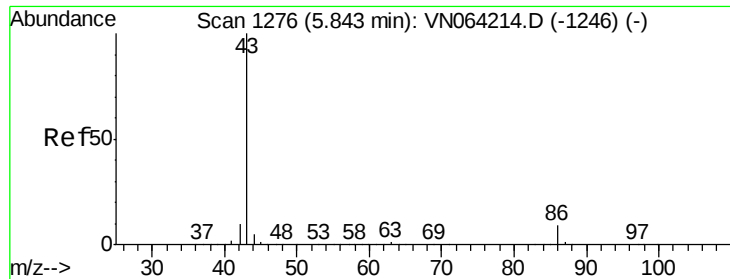
MMDadoda
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#22
Diisopropyl ether
Concen: 4.830 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.8	52.2	78.4
87	26.3	21.4	32.0
59	9.7	8.3	12.5





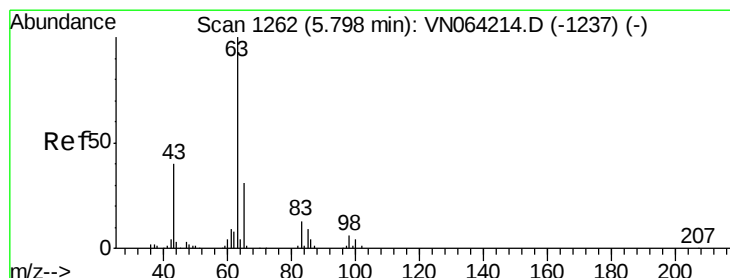
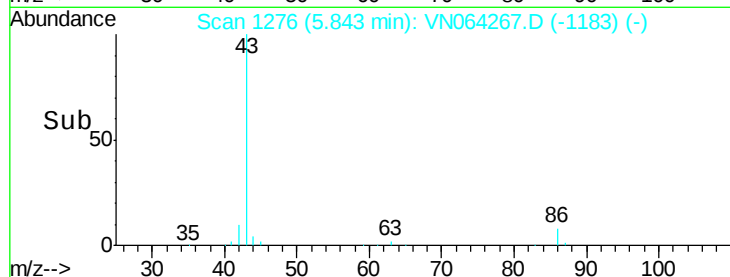
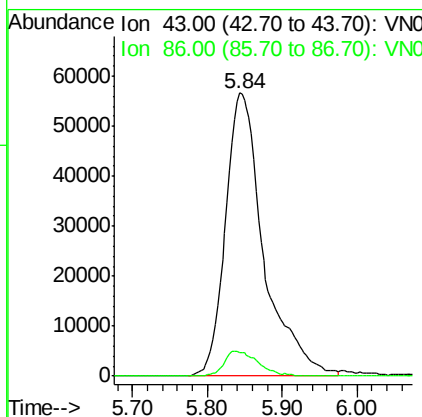
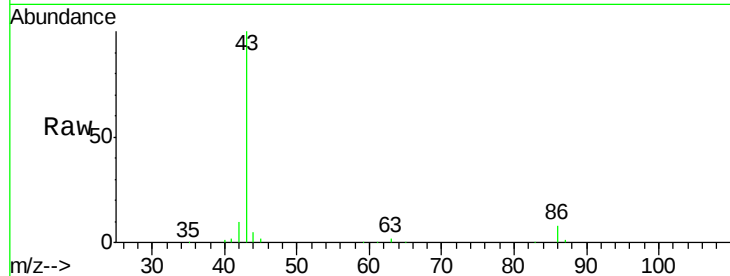
#23
 Vinyl Acetate
 Concen: 25.615 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion	43	Resp	200955
Ion Ratio	100	Lower	Upper
43	100		
86	8.5	7.4	11.0

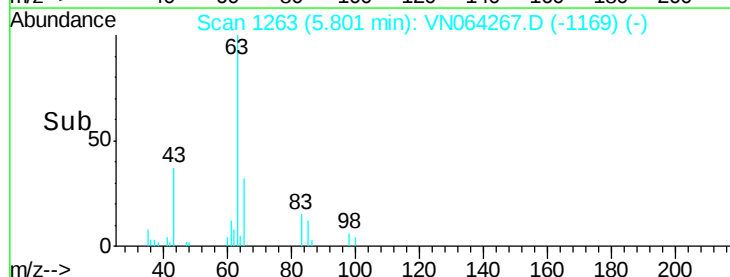
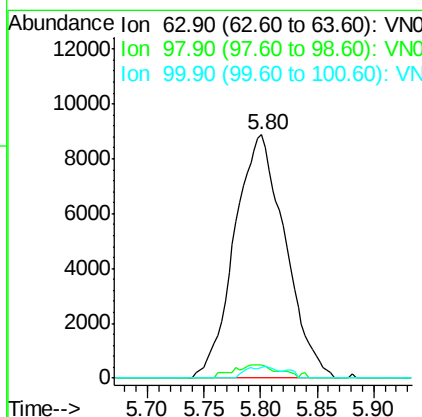
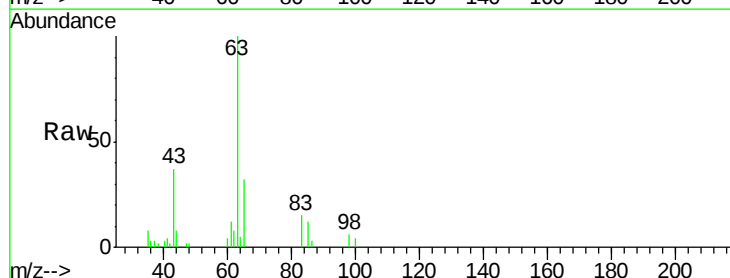
Manual Integrations
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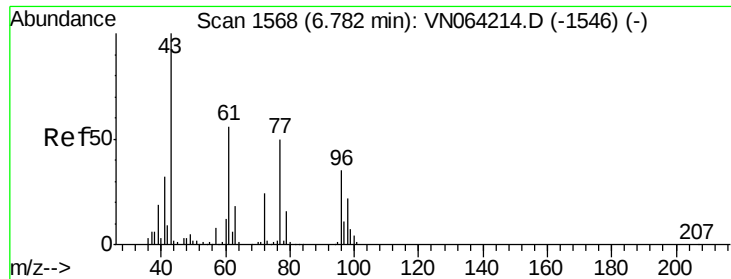
MMDadoda
 10/23/2020 3:37:58 PM



#24
 1,1-Dichloroethane
 Concen: 5.411 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

Tgt Ion	63	Resp	27576
Ion Ratio	100	Lower	Upper
63	100		
98	5.6	2.9	8.7
100	4.4	2.0	6.0





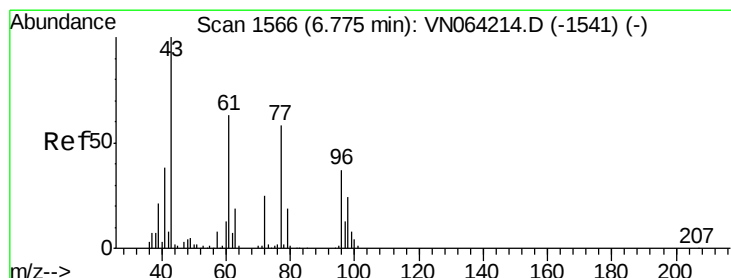
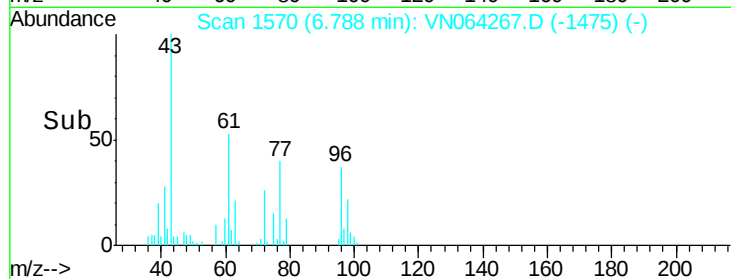
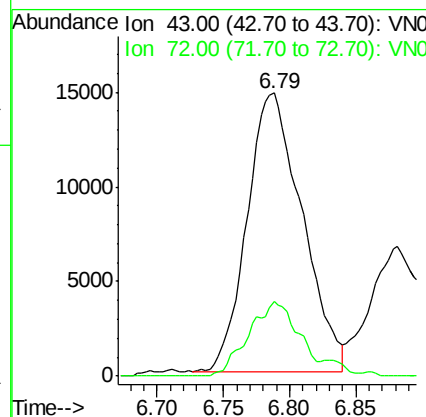
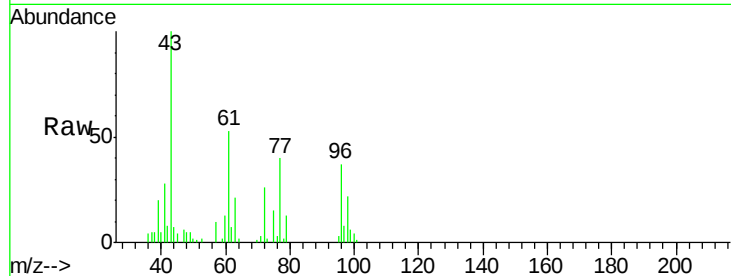
#25
 2-Butanone
 Concen: 25.000 ug/l
 RT: 6.79 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion: 43 Resp: 42578
 Ion Ratio Lower Upper
 43 100
 72 26.8 19.4 29.0

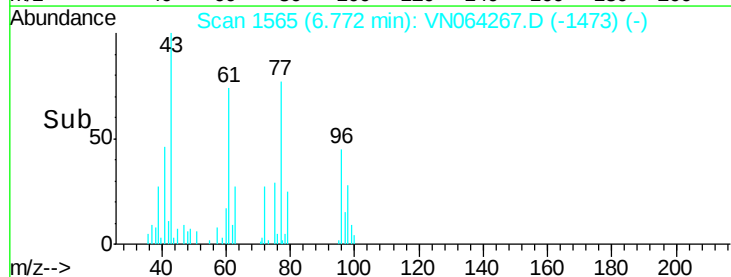
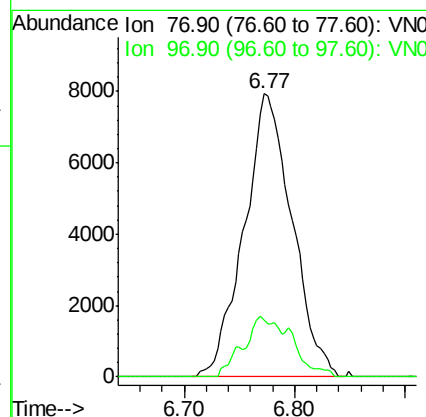
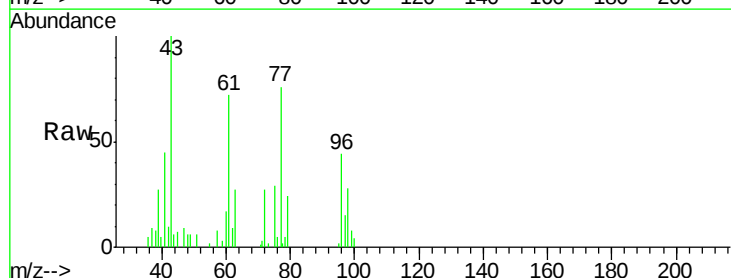
Manual Integrations
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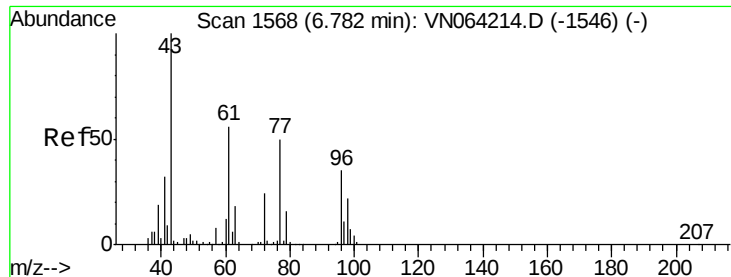
MMDadoda
 10/23/2020 3:37:58 PM



#26
 2,2-Dichloropropane
 Concen: 4.702 ug/l
 RT: 6.77 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

Tgt Ion: 77 Resp: 23857
 Ion Ratio Lower Upper
 77 100
 97 15.4 10.4 31.4





#27

cis-1,2-Dichloroethene

Concen: 5.404 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Instrument :

MSVOA_N

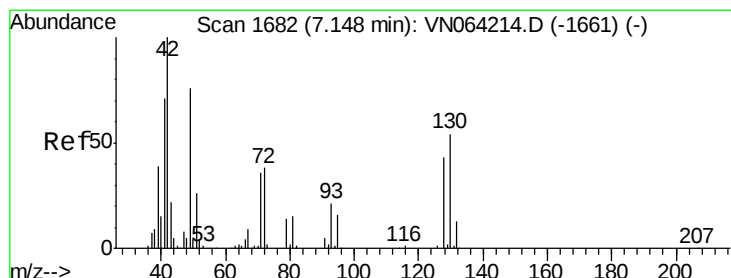
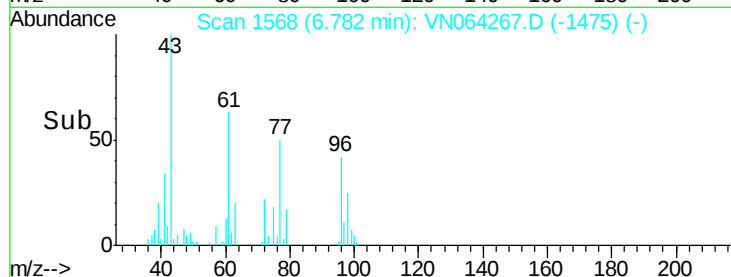
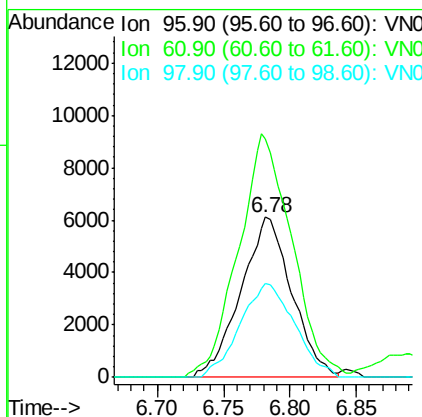
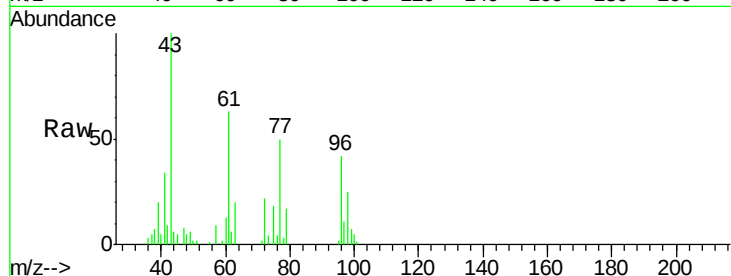
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:	96	Resp:	16408
Ion	Ratio	Lower	Upper
96	100		
61	158.7	0.0	330.0
98	62.6	0.0	130.6

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#28

Bromochloromethane

Concen: 5.471 ug/l

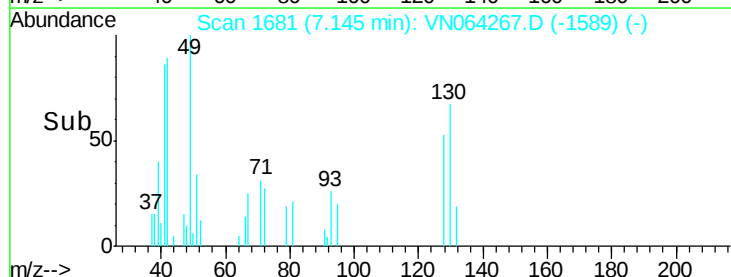
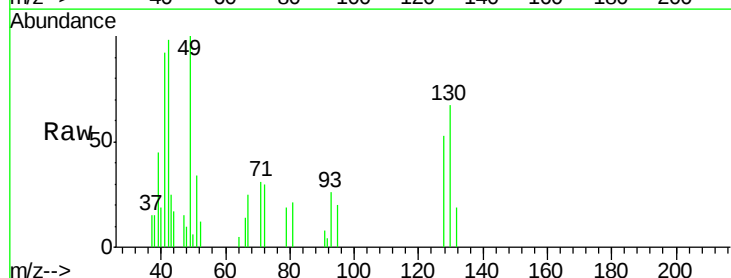
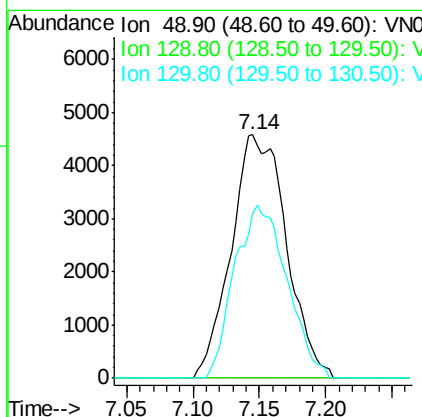
RT: 7.14 min Scan# 1681

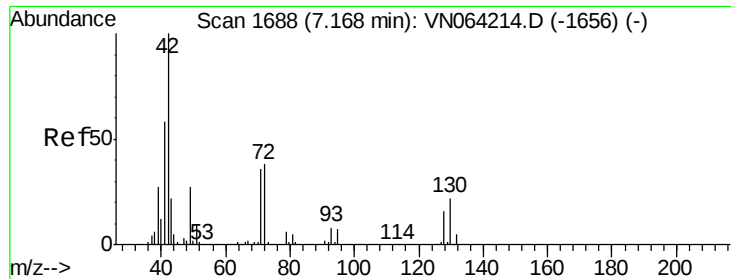
Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Tgt Ion:	49	Resp:	13245
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.8
130	67.8	58.8	88.2





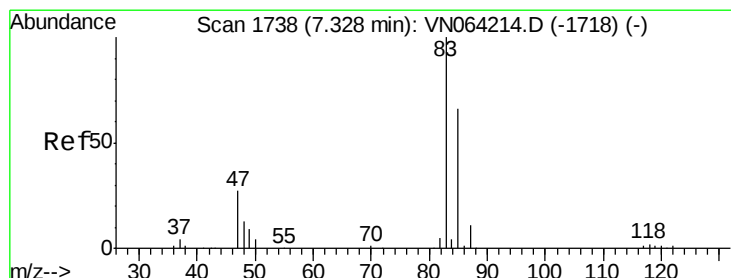
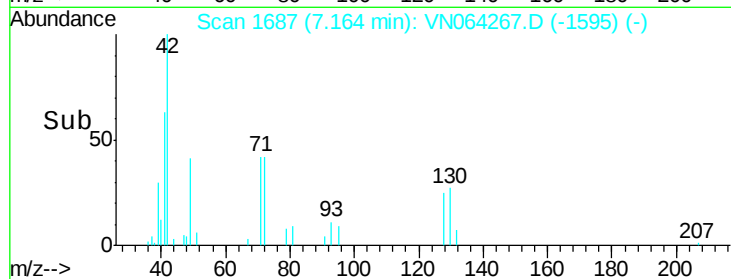
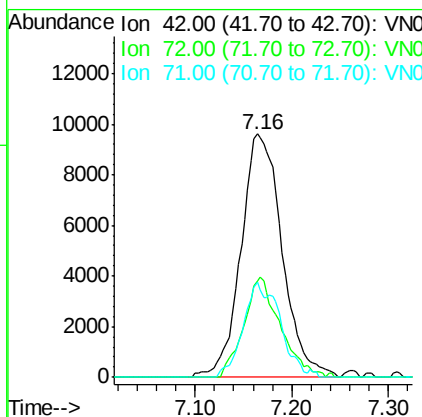
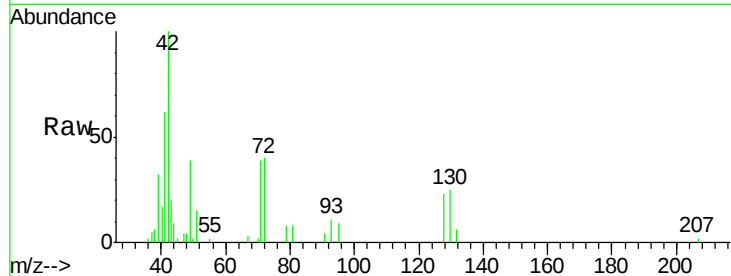
#29
Tetrahydrofuran
Concen: 27.896 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.4	30.8	46.2
71	21.4	29.0	43.6#

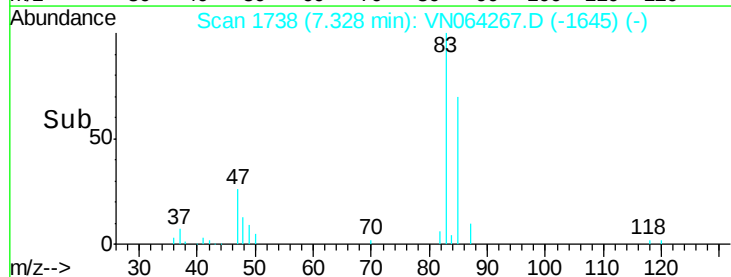
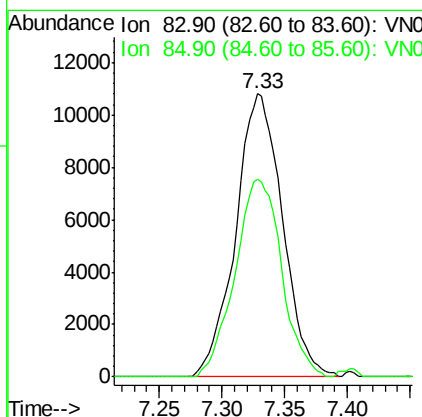
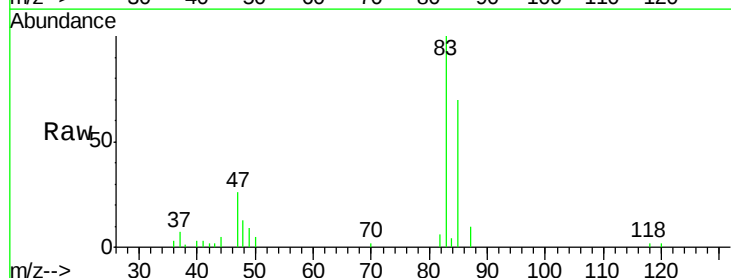
Manual Integrations
APPROVED

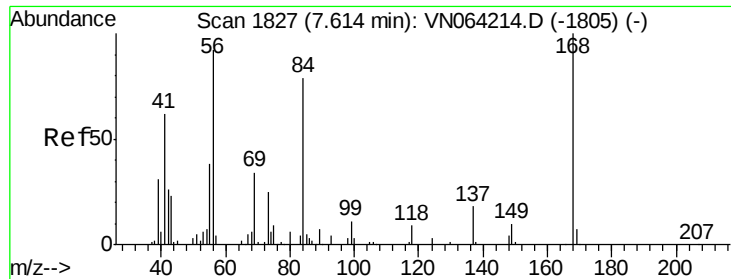
MMDadoda
10/23/2020 3:37:58 PM



#30
Chloroform
Concen: 5.154 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.9	52.5	78.7





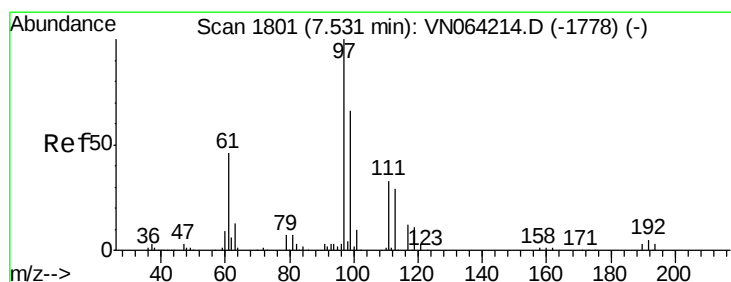
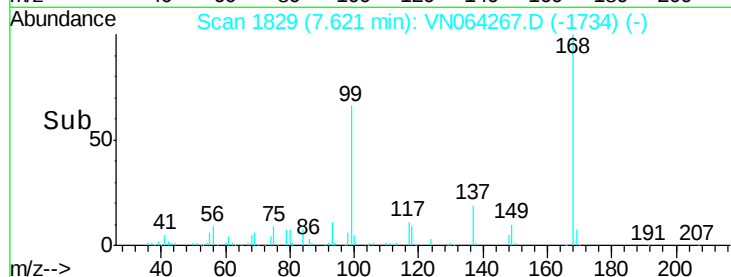
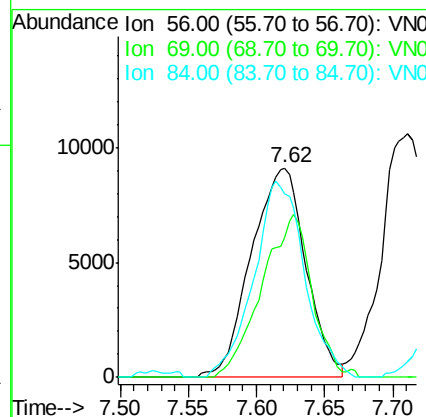
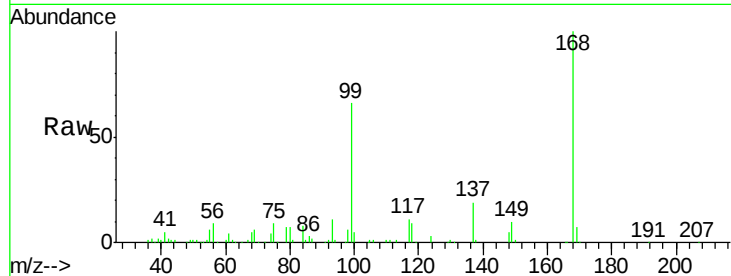
#31
Cvclohexane
Concen: 5.691 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
56	100		
69	67.1	29.8	44.6#
84	88.0	68.1	102.1

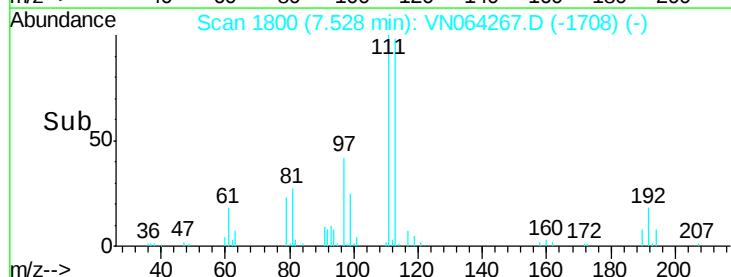
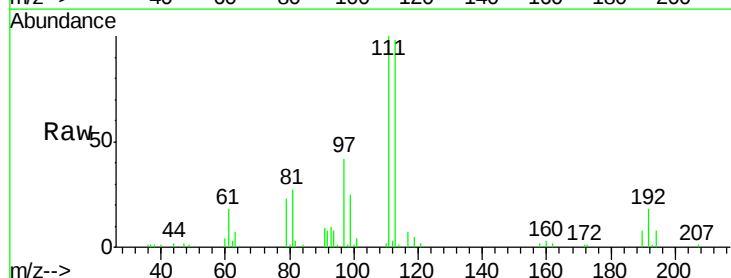
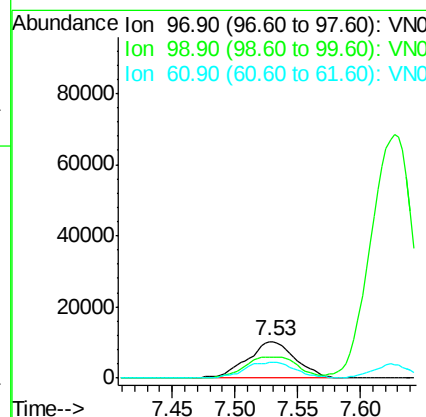
Manual Integrations
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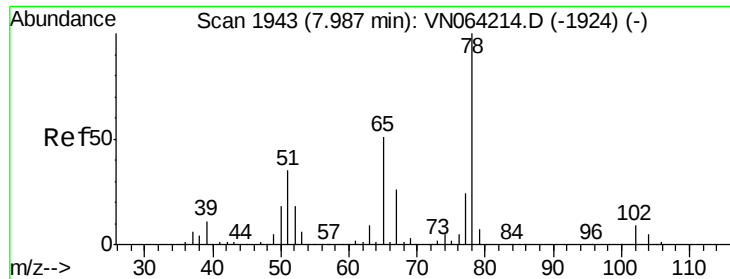
MMDadoda
10/23/2020 3:37:58 PM



#32
1,1,1-Trichloroethane
Concen: 5.376 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.2	76.8
61	45.9	36.3	54.5





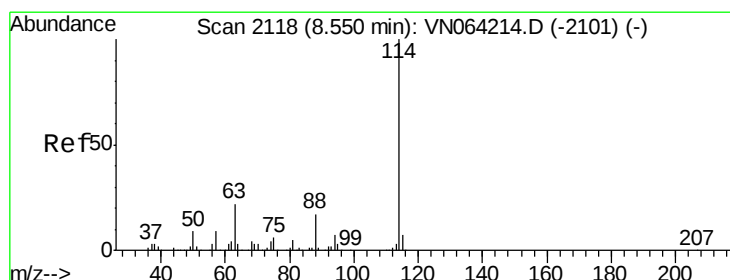
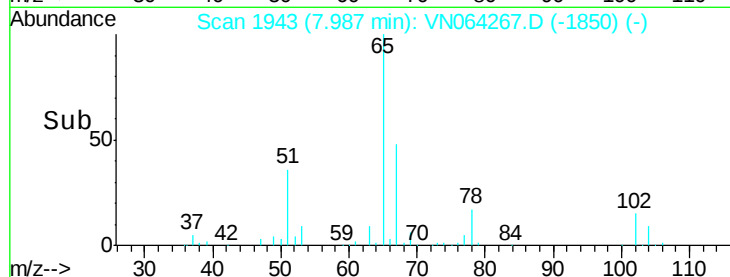
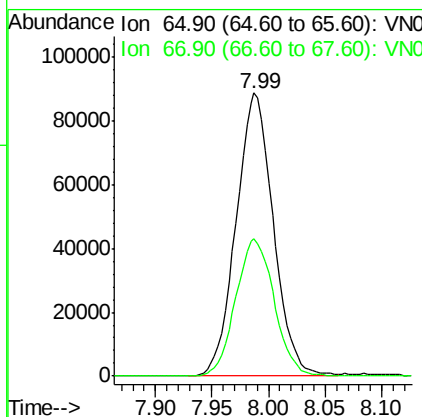
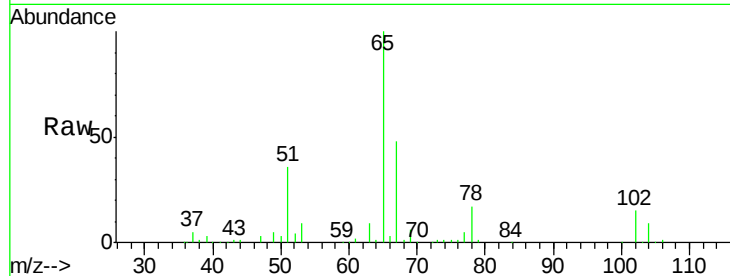
#33
 1,2-Dichloroethane-d4
 Concen: 54.382 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	203740		
67	50.0	0.0	100.2	

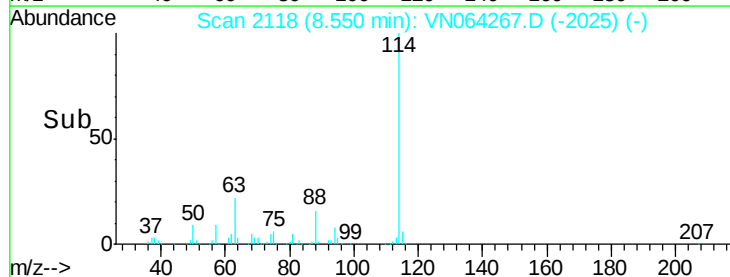
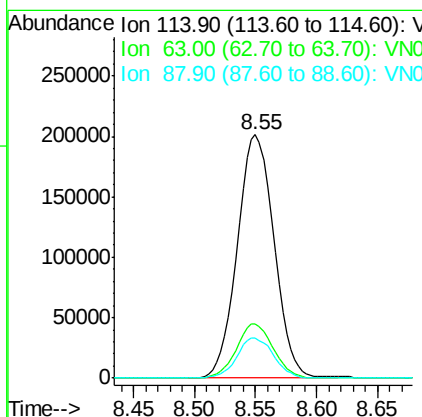
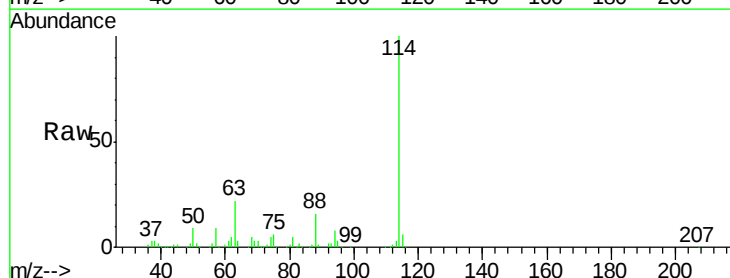
Manual Integrations
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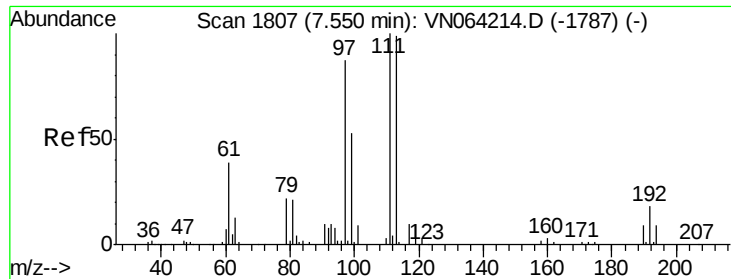
MMDadoda
 10/23/2020 3:37:58 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	419974		
63	22.1	0.0	44.0	
88	16.3	0.0	34.2	





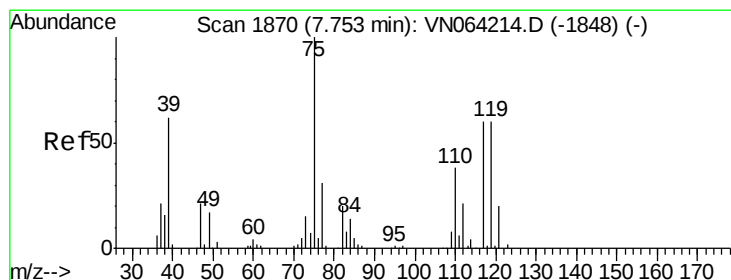
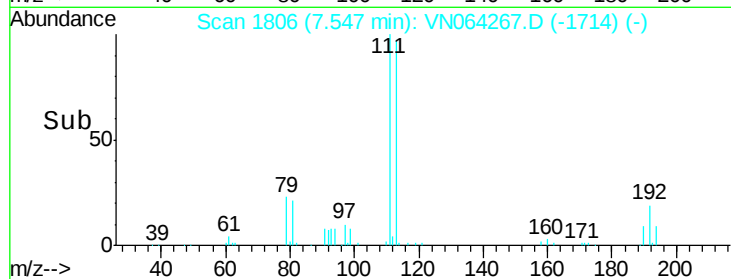
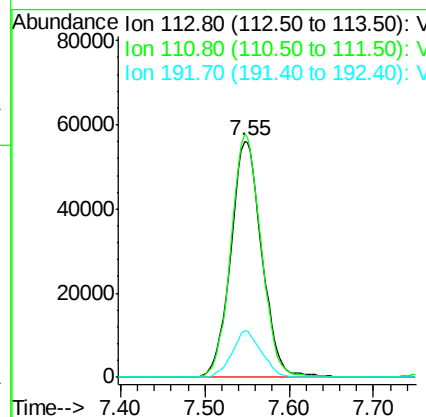
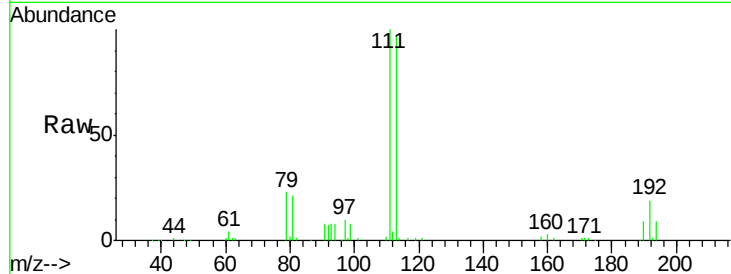
#35
Dibromofluoromethane
Concen: 51.364 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	99.4	84.2	126.2	
192	18.6	15.2	22.8	

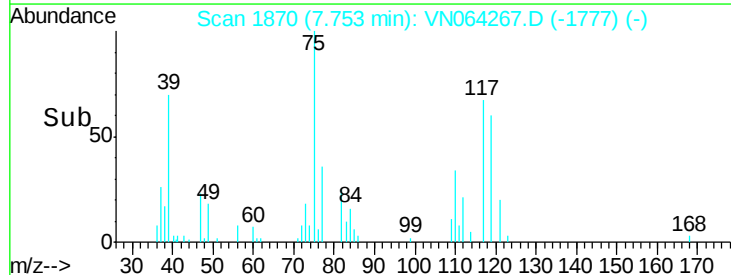
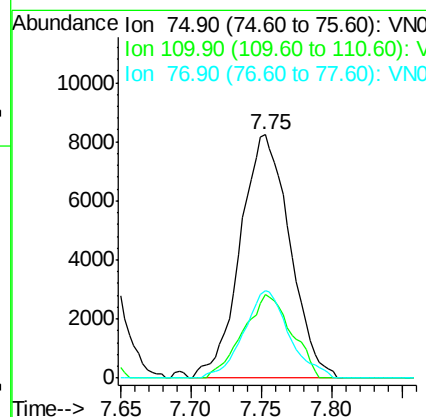
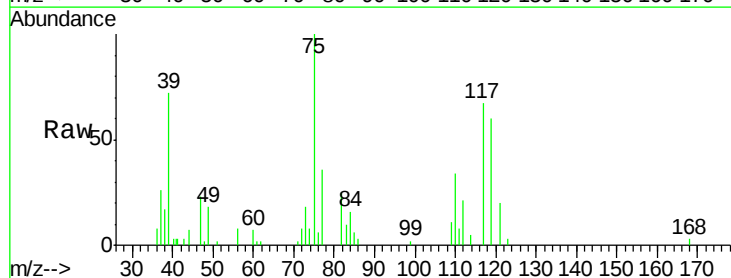
Manual Integrations
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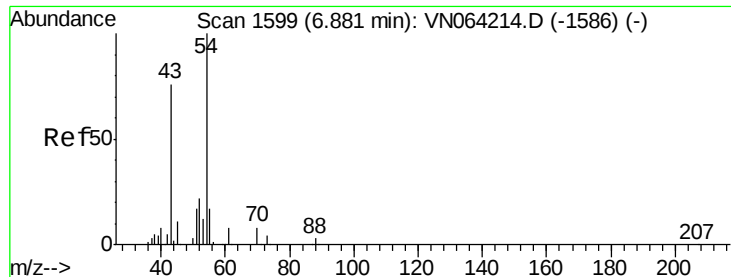
MMDadoda
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#36
1,1-Dichloropropene
Concen: 4.834 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.2	17.2	51.6	
77	32.9	24.9	37.3	





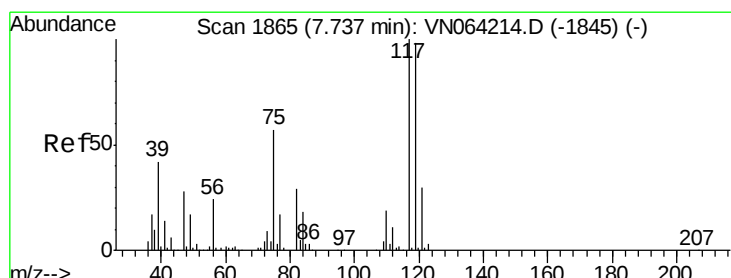
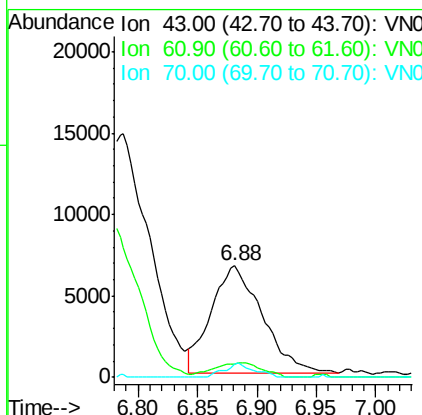
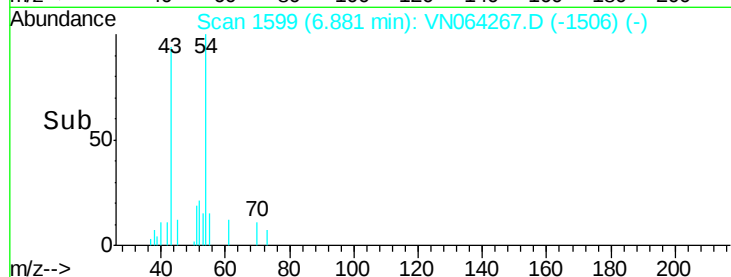
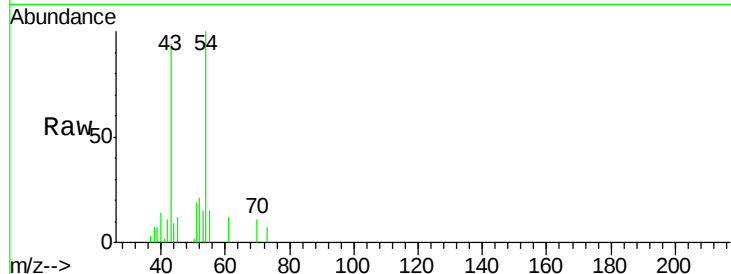
#37
Ethyl Acetate
Concen: 5.207 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.0	15.0
70	7.6	7.5	11.3

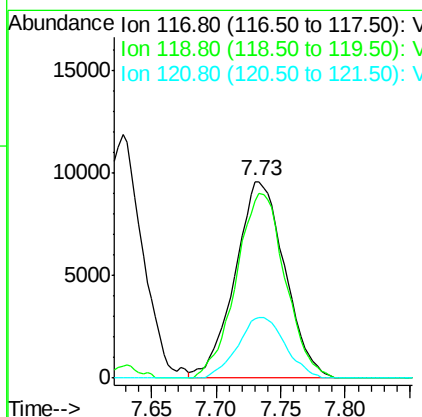
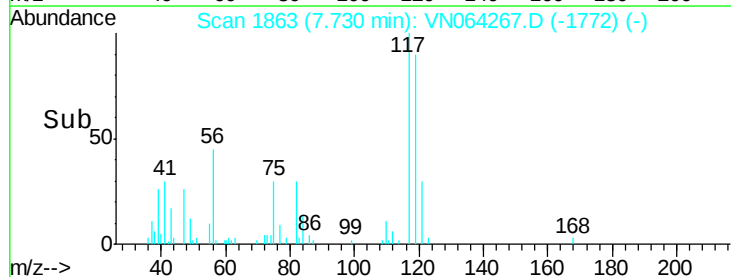
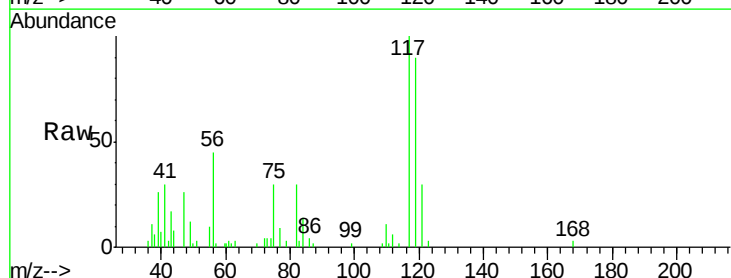
Manual Integrations
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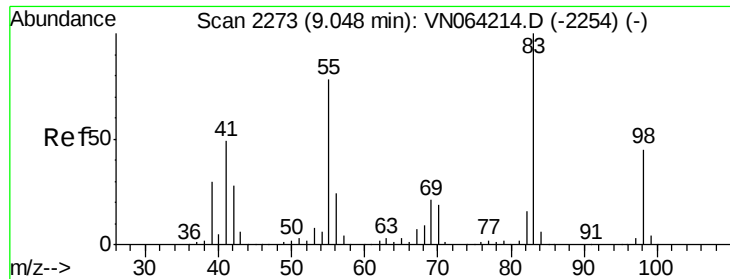
MMDadoda
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#38
Carbon Tetrachloride
Concen: 5.408 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.01 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.0	78.5	117.7
121	30.0	24.3	36.5





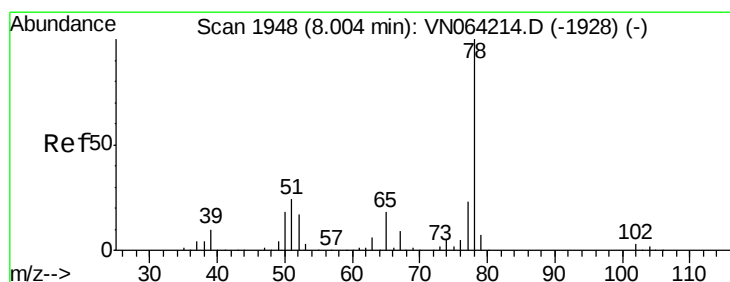
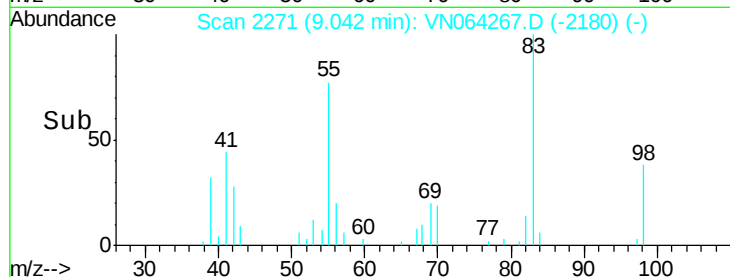
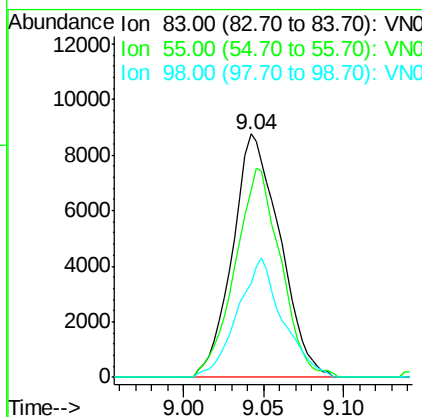
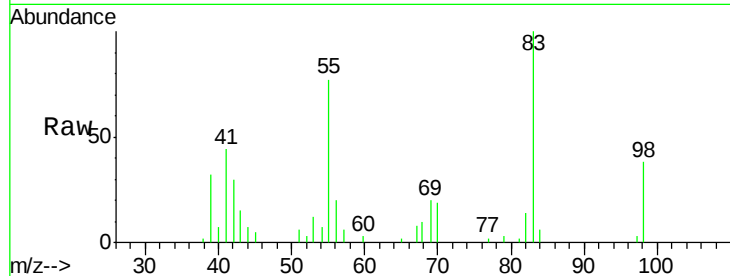
#39
Methvlcvclohexane
Concen: 4.664 ug/l
RT: 9.04 min Scan# 2271
Delta R.T. -0.01 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.1	62.2	93.2
98	38.5	35.9	53.9

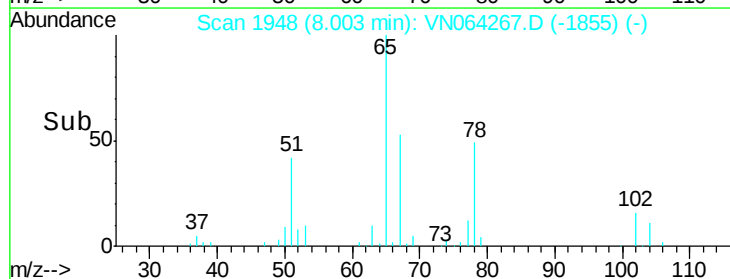
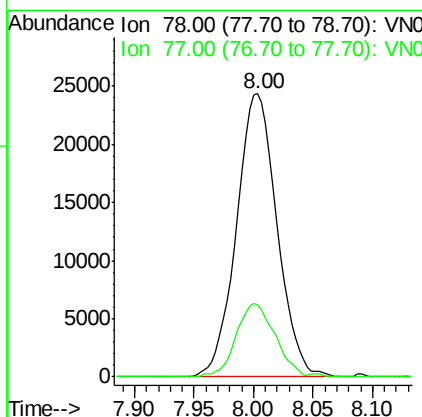
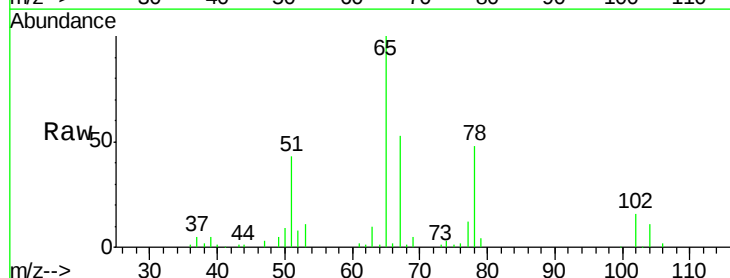
Manual Integrations
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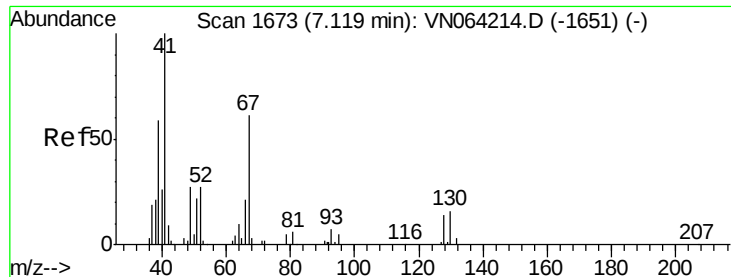
MMDadoda
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#40
Benzene
Concen: 4.981 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	18.3	27.5





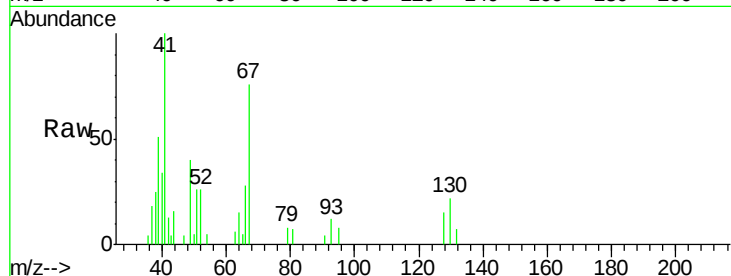
#41
Methacrylonitrile
Concen: 4.705 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

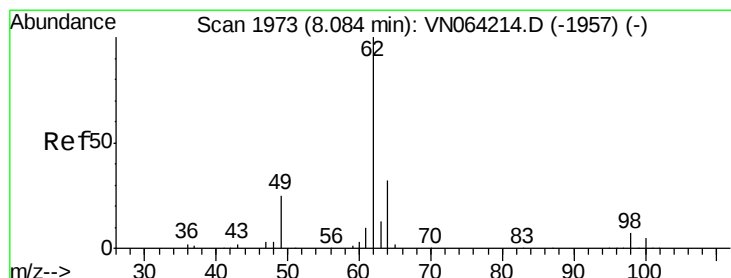
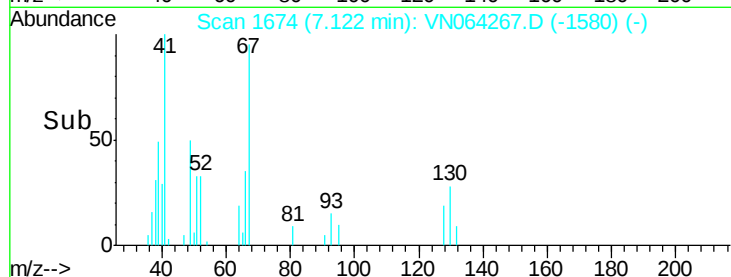
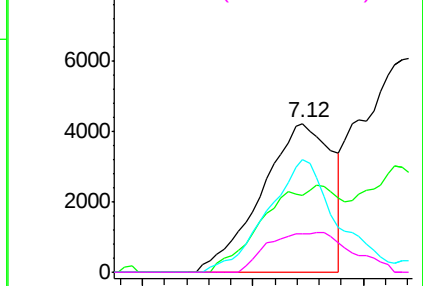
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	64.0	50.5	75.7	
67	74.5	63.2	94.8	
52	31.5	29.3	43.9	

Manual Integrations
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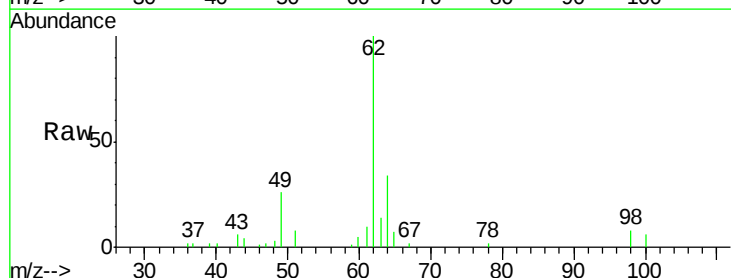


Abundance Ion 41.00 (40.70 to 41.70): VN064214.D (-1651) (-)

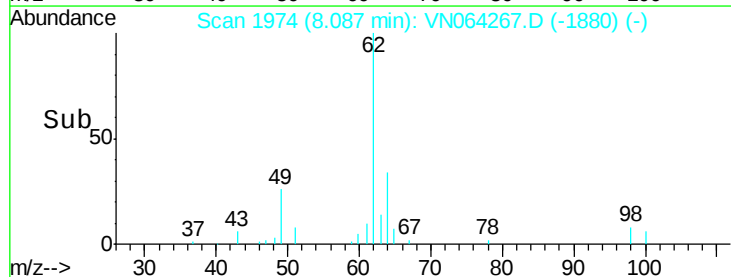
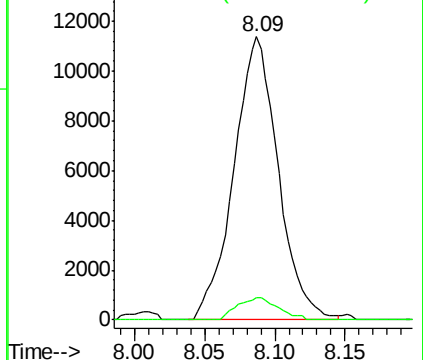


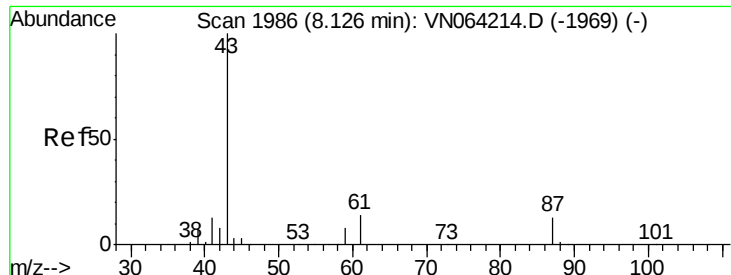
#42
1,2-Dichloroethane
Concen: 5.055 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.3	0.0	15.0	



Abundance Ion 61.90 (61.60 to 62.60): VN064214.D (-1957) (-)





#43

Isopropyl Acetate

Concen: 5.405 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Instrument :

MSVOA_N

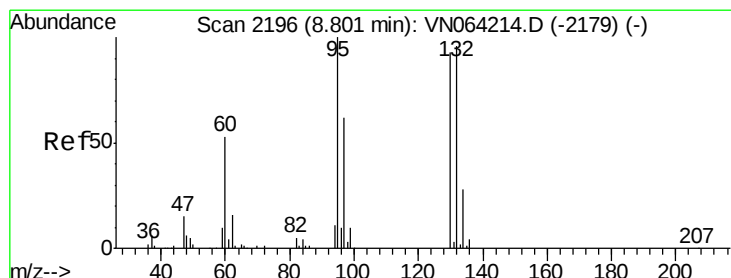
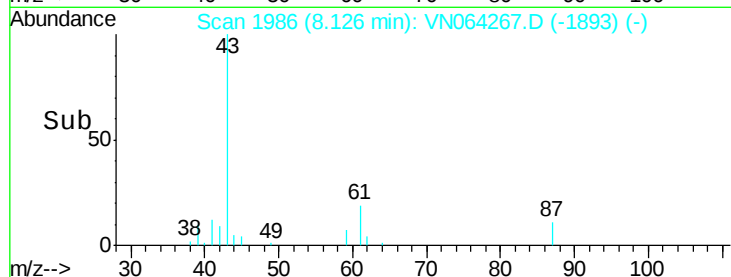
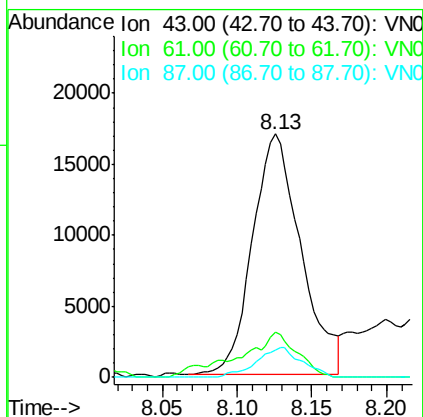
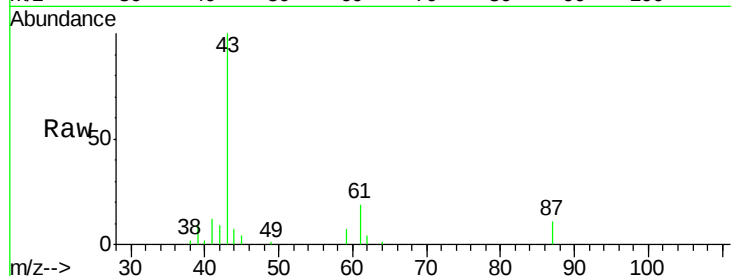
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:	43	Resp:	38296
Ion	Ratio	Lower	Upper
43	100		
61	20.3	19.6	29.4
87	11.5	9.8	14.6

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#44

Trichloroethene

Concen: 5.244 ug/l

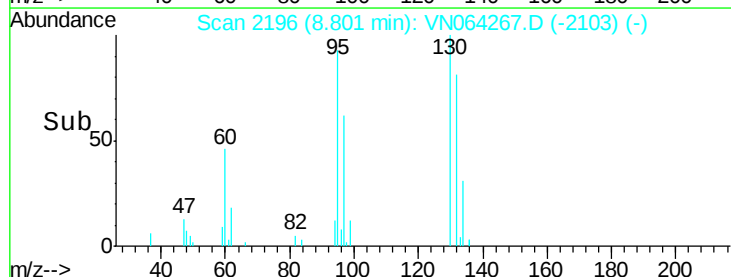
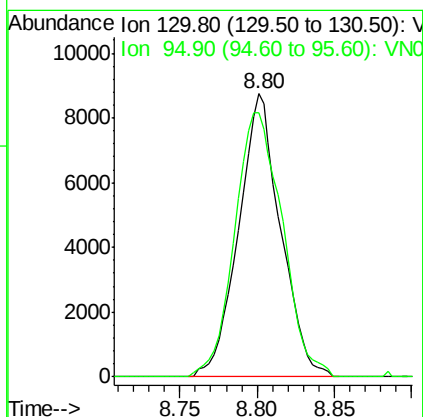
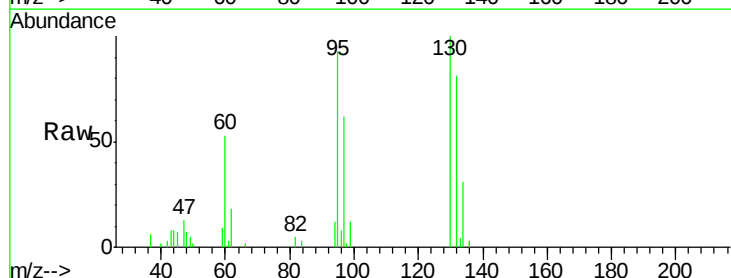
RT: 8.80 min Scan# 2196

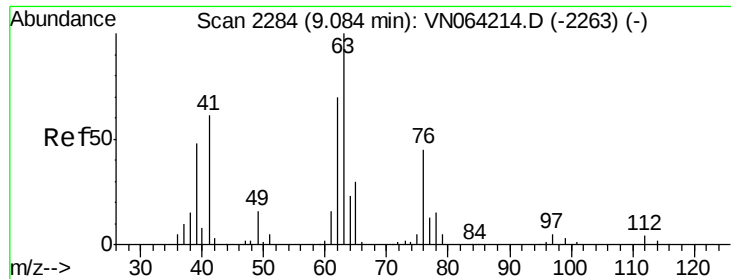
Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Tgt Ion:	130	Resp:	16516
Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	214.0





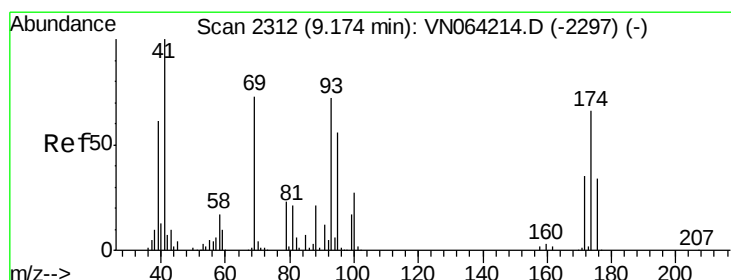
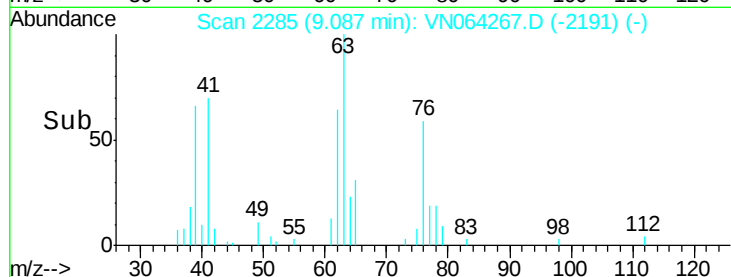
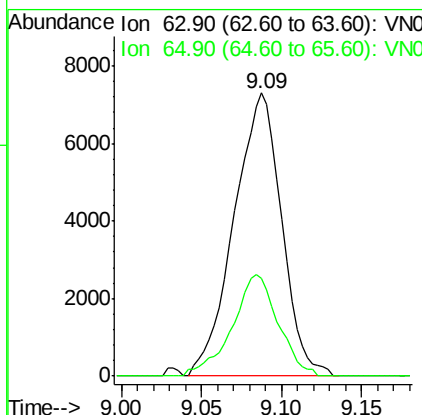
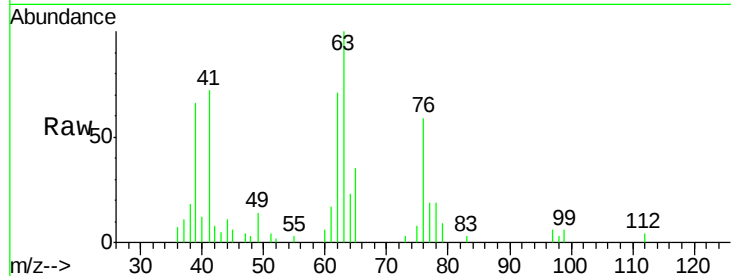
#45
 1,2-Dichloropropane
 Concen: 4.829 ug/l
 RT: 9.09 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion: 63 Resp: 14901
 Ion Ratio Lower Upper
 63 100
 65 34.6 24.0 36.0

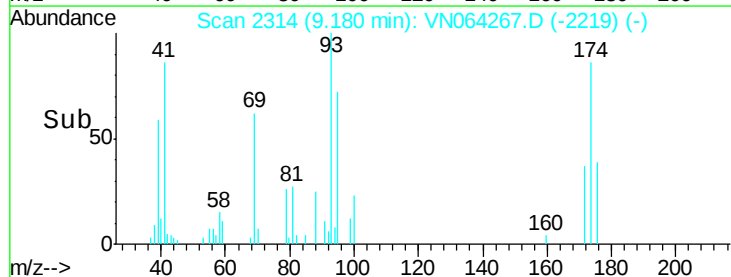
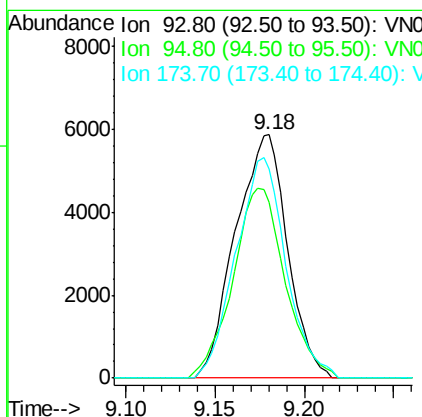
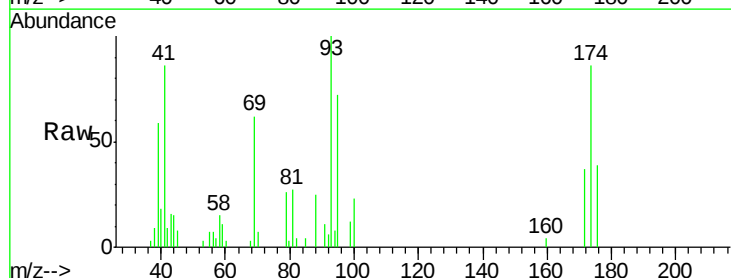
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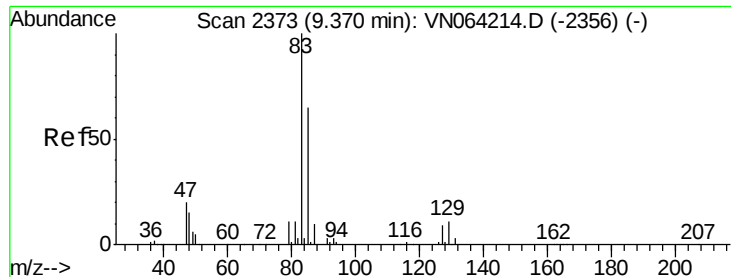
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#46
 Dibromomethane
 Concen: 5.766 ug/l
 RT: 9.18 min Scan# 2314
 Delta R.T. 0.01 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

Tgt Ion: 93 Resp: 11947
 Ion Ratio Lower Upper
 93 100
 95 78.5 63.0 94.4
 174 87.4 72.9 109.3





#47

Bromodichloromethane

Concen: 5.239 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Instrument :

MSVOA_N

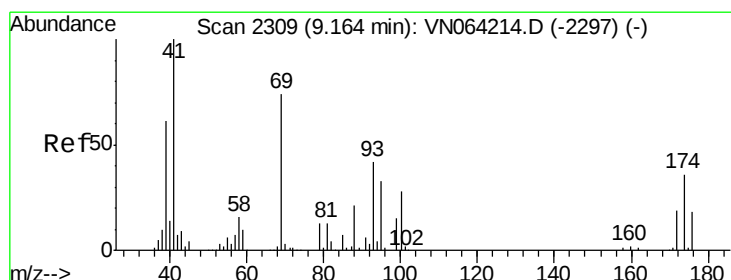
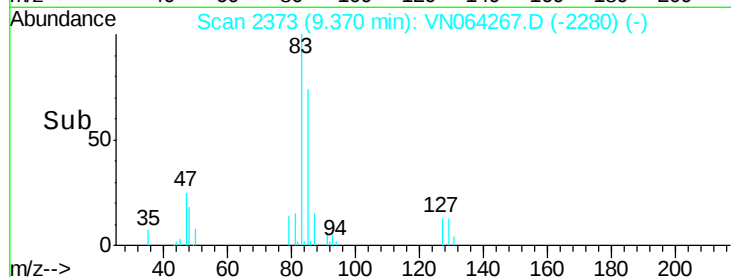
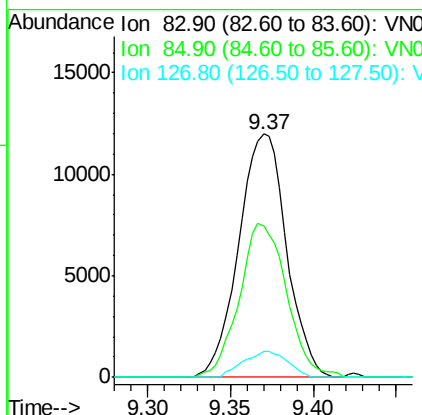
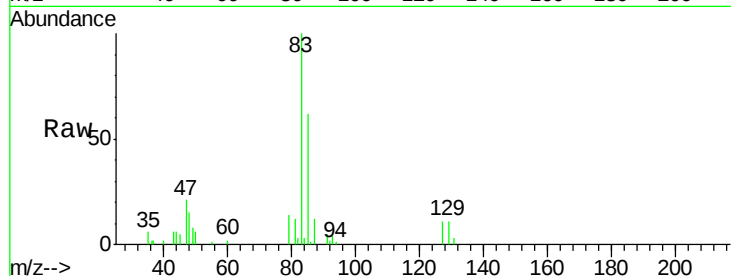
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:	83	Resp:	23981
Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.8	77.8
127	10.5	7.4	11.0

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#48

Methyl methacrylate

Concen: 4.686 ug/l

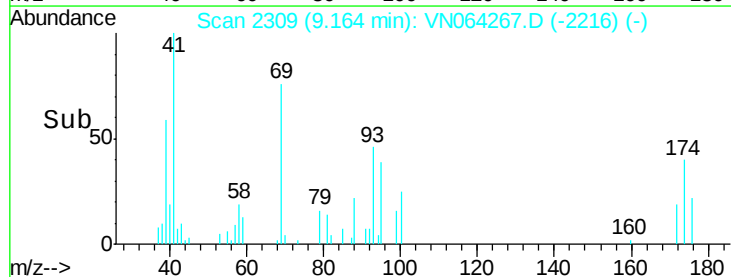
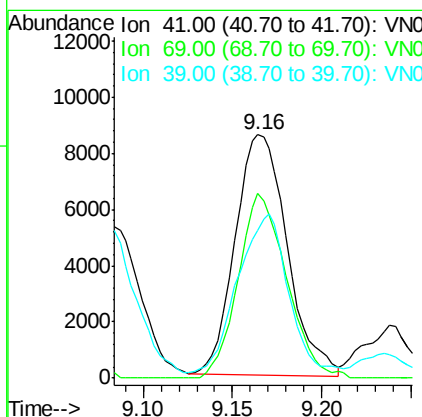
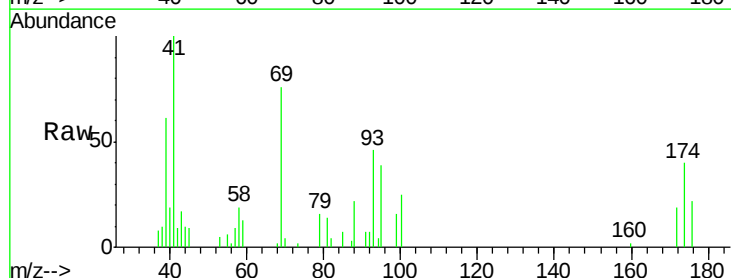
RT: 9.16 min Scan# 2309

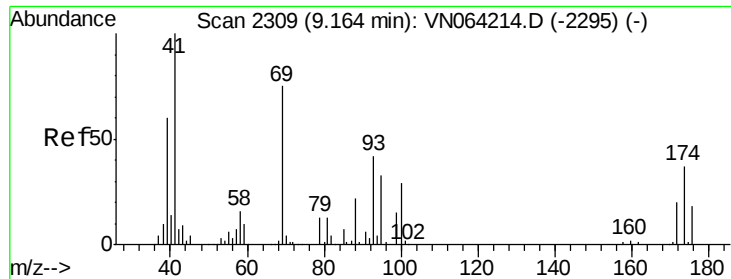
Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Tgt Ion:	41	Resp:	17341
Ion	Ratio	Lower	Upper
41	100		
69	71.8	57.3	85.9
39	69.5	48.6	73.0





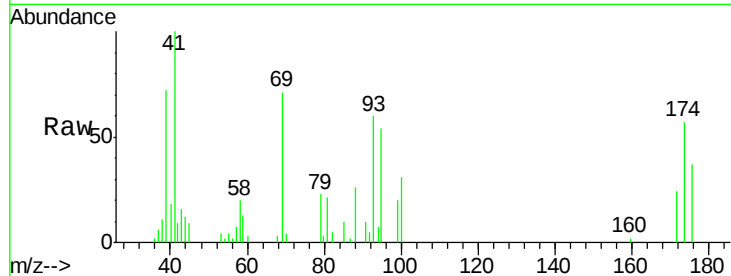
#49
1,4-Dioxane
Concen: 101.334 ug/l
RT: 9.17 min Scan# 2311
Delta R.T. 0.01 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

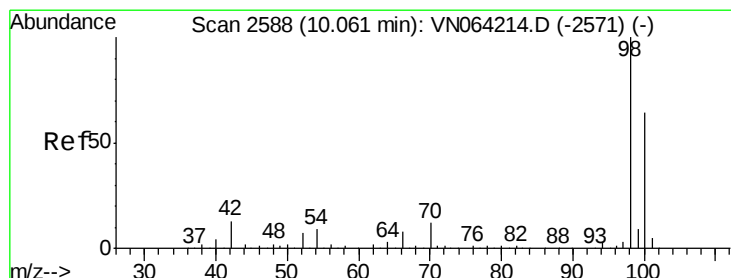
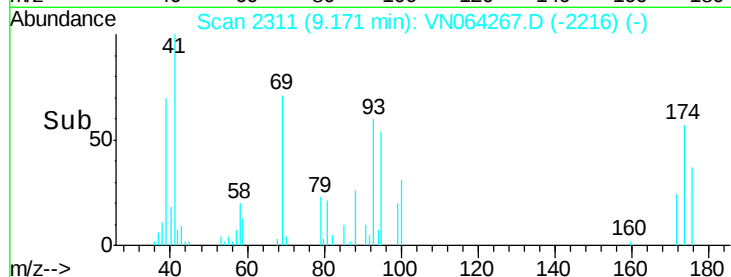
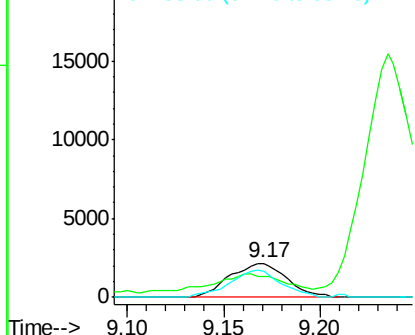
Tot Ion: 88 Resp: 4388
Ion Ratio Lower Upper
88 100
43 68.2 34.6 52.0#
58 72.4 59.0 88.6

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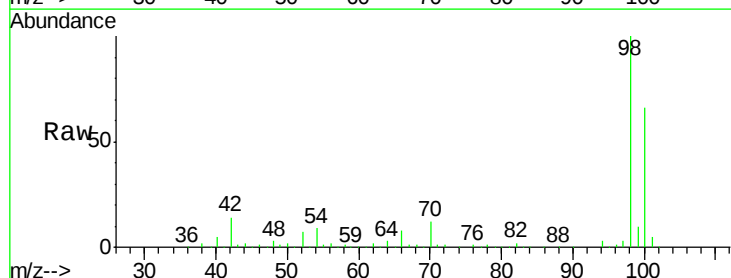


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

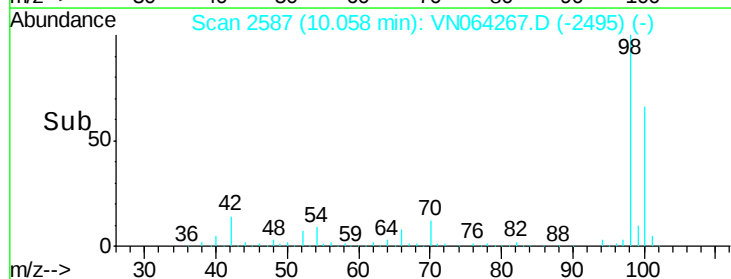
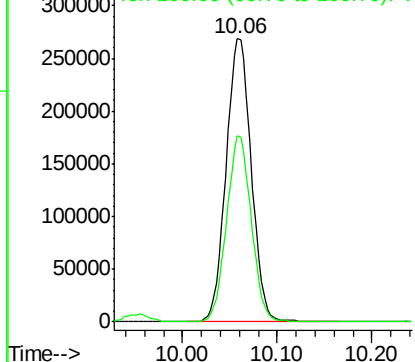


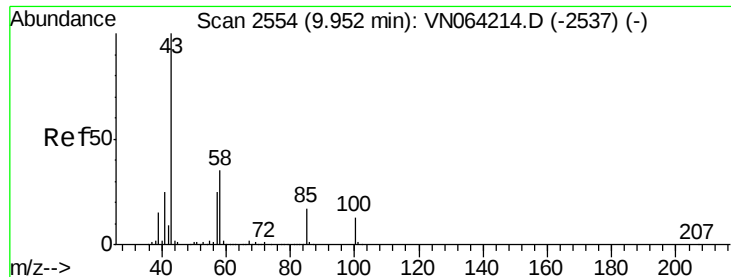
#50
Toluene-d8
Concen: 49.118 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Tgt Ion: 98 Resp: 497504
Ion Ratio Lower Upper
98 100
100 64.4 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 25.482 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 43 Resp: 96486

Ion Ratio Lower Upper

43 100

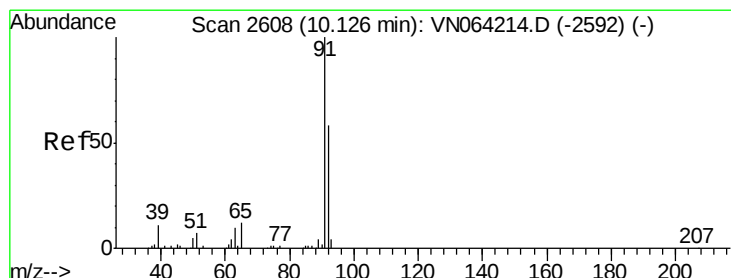
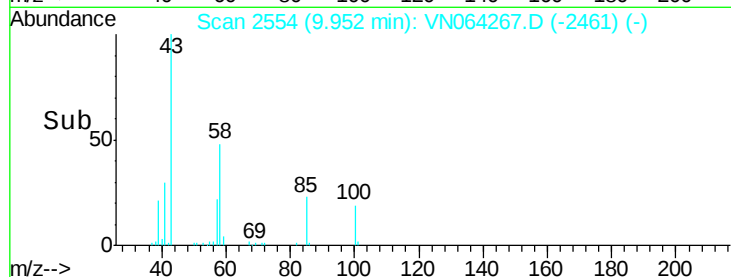
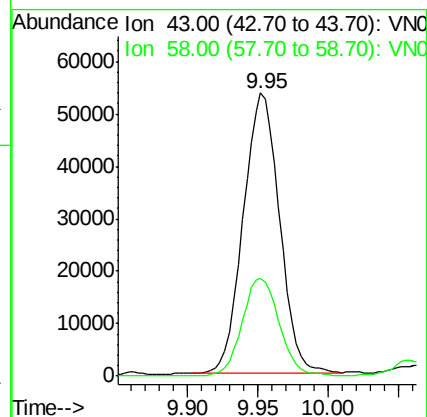
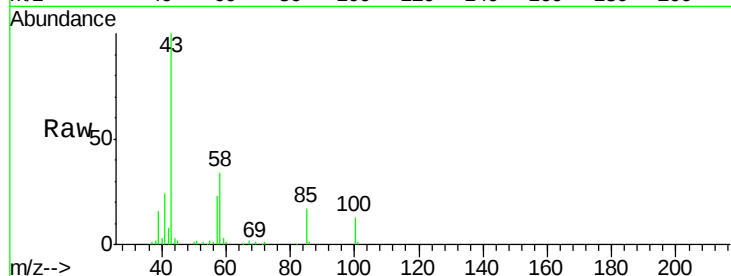
58 35.9 28.6 42.8

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#52

Toluene

Concen: 4.753 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VN064267.D

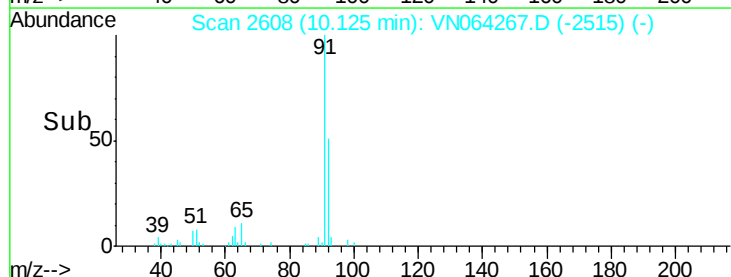
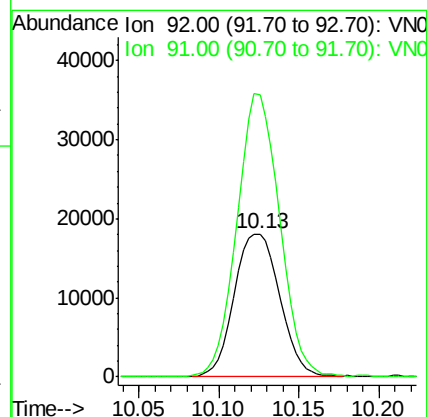
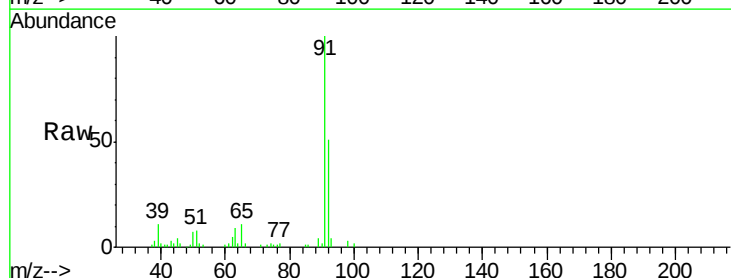
Acq: 22 Oct 2020 22:02

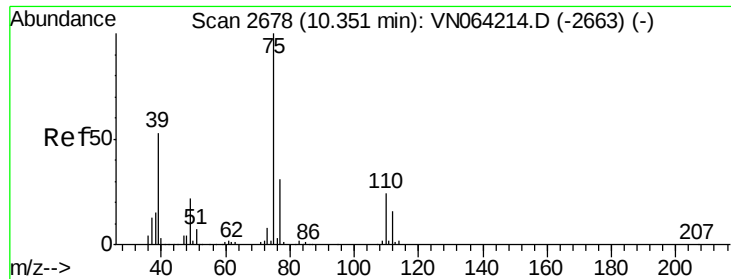
Tgt Ion: 92 Resp: 35151

Ion Ratio Lower Upper

92 100

91 185.3 137.4 206.2





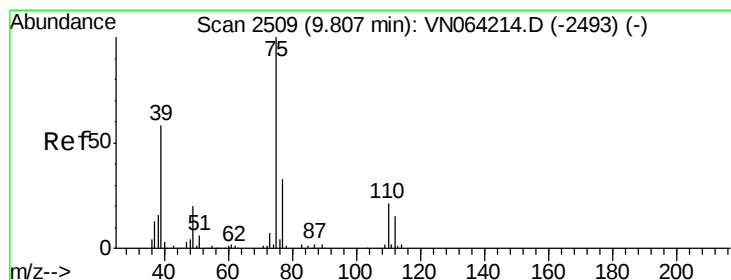
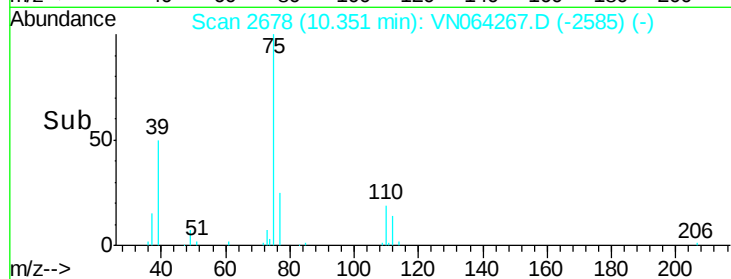
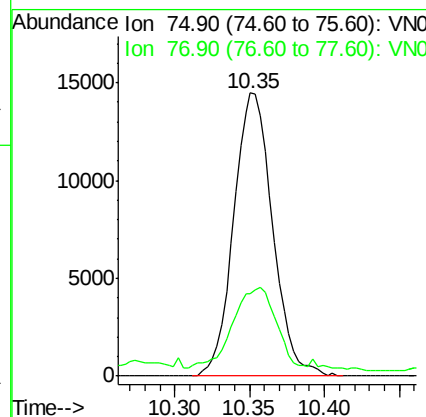
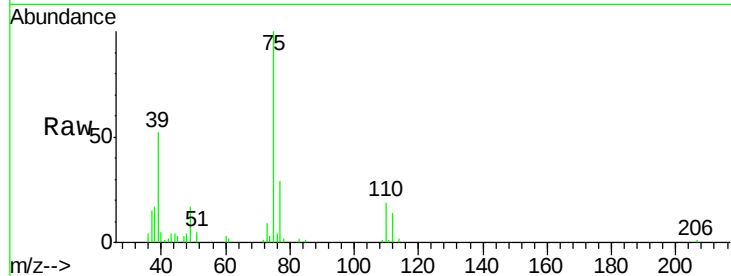
#53
t-1,3-Dichloropropene
Concen: 5.151 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
75	100		
77	26.2	25.4	38.2

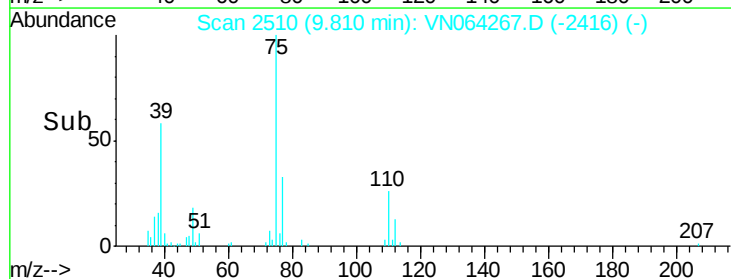
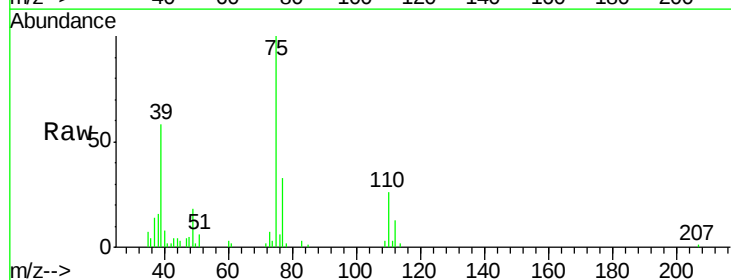
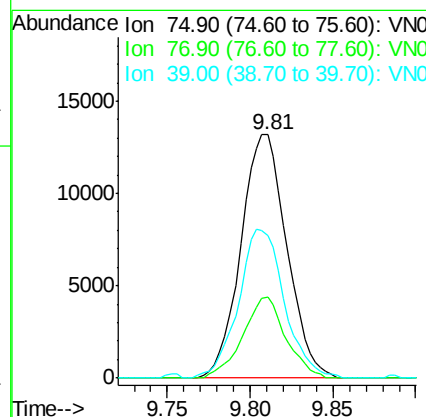
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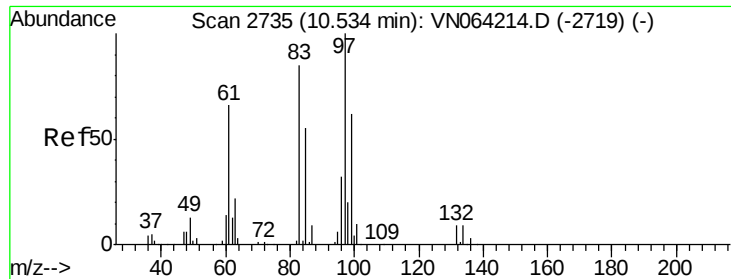
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#54
cis-1,3-Dichloropropene
Concen: 4.740 ug/l
RT: 9.81 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.2	26.6	39.8
39	58.4	46.7	70.1





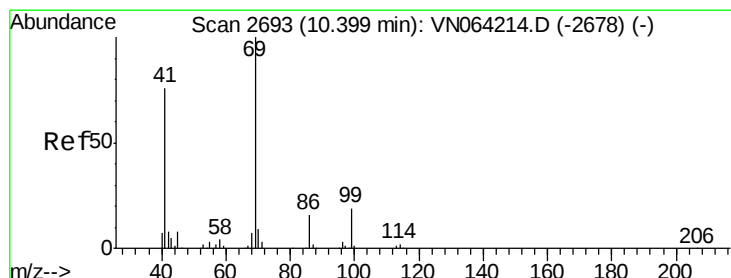
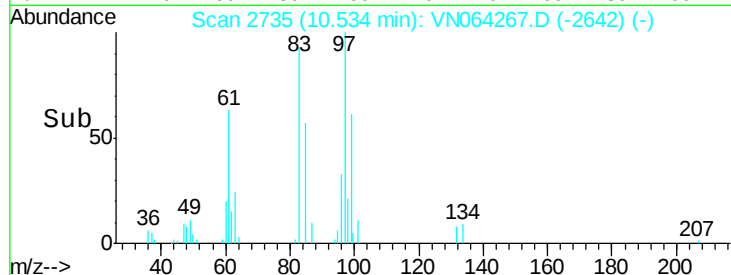
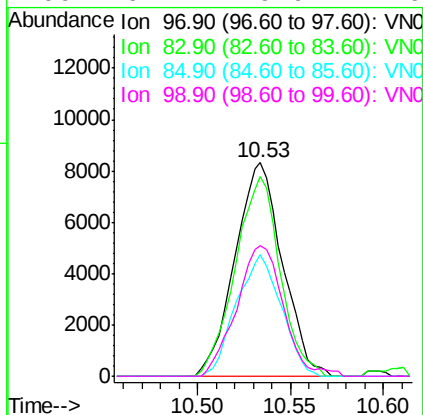
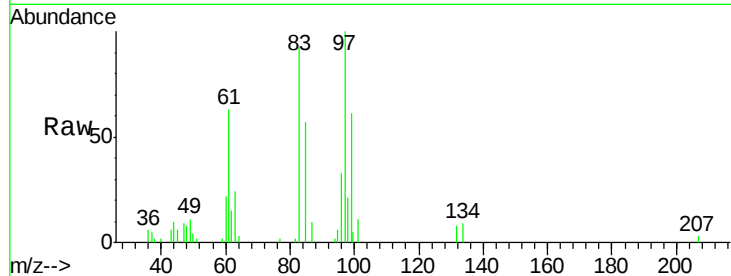
#55
 1,1,2-Trichloroethane
 Concen: 5.320 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion:	97	Resp:	14858
Ion	Ratio	Lower	Upper
97	100		
83	93.4	67.8	101.6
85	56.7	43.6	65.4
99	61.1	49.9	74.9

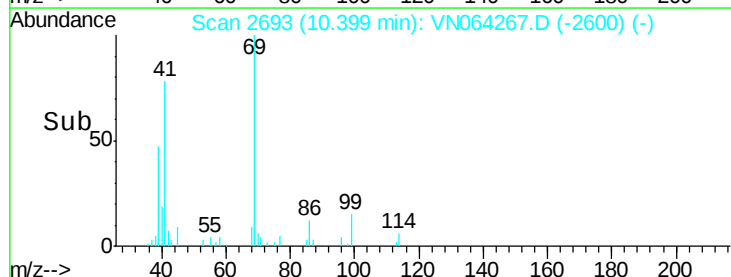
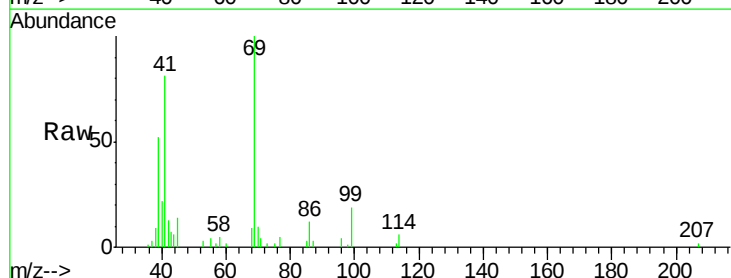
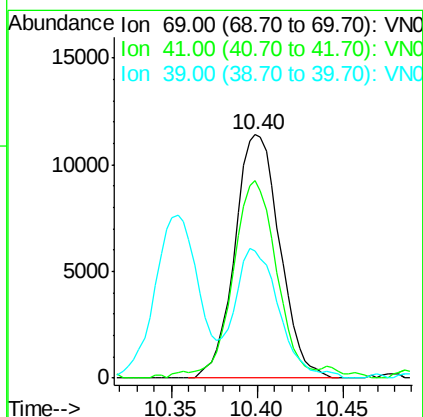
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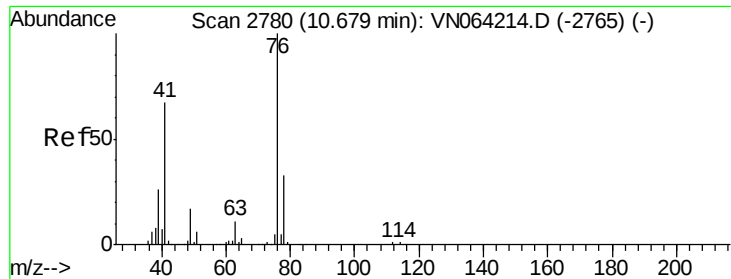
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#56
 Ethyl methacrylate
 Concen: 4.813 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

Tgt Ion:	69	Resp:	20785
Ion	Ratio	Lower	Upper
69	100		
41	79.1	61.4	92.2
39	52.9	36.0	54.0





#57

1,3-Dichloropropane

Concen: 5.222 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 76 Resp: 25336

Ion Ratio Lower Upper

76 100

78 31.7

26.2

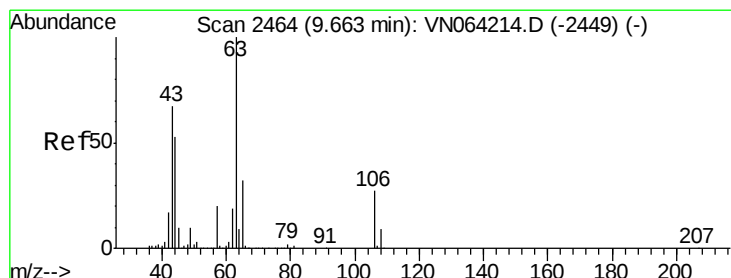
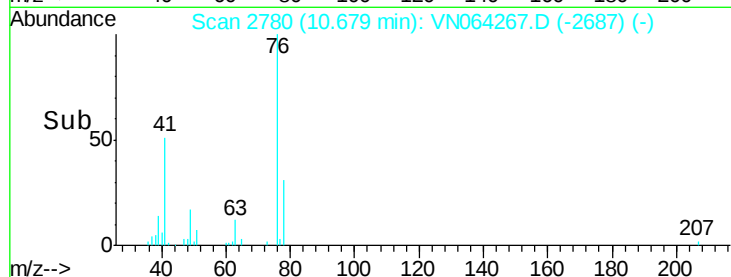
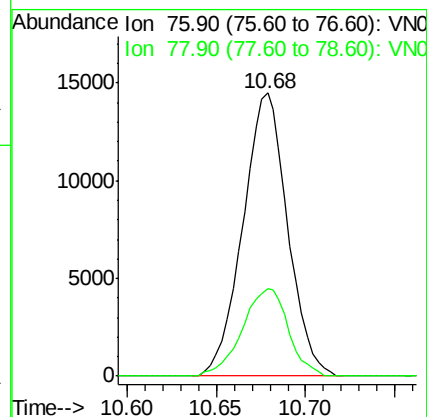
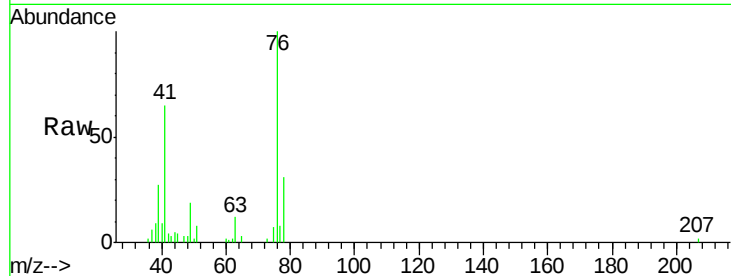
39.2

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#58

2-Chloroethyl Vinyl ether

Concen: 25.458 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Tgt Ion: 63 Resp: 56615

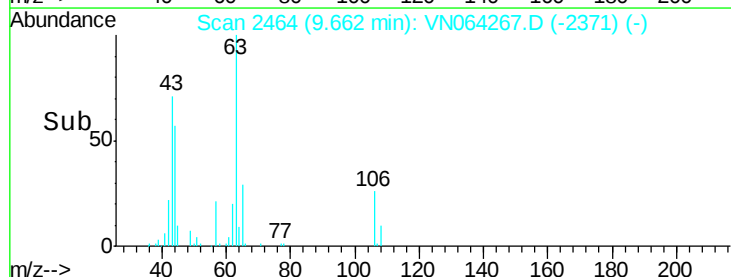
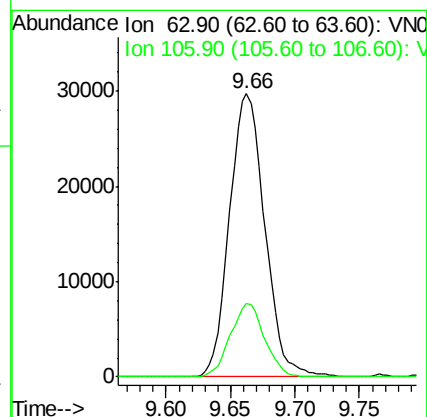
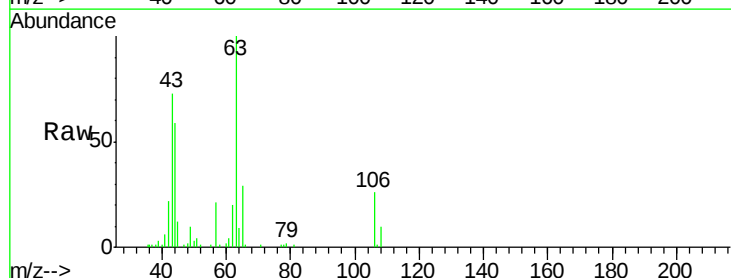
Ion Ratio Lower Upper

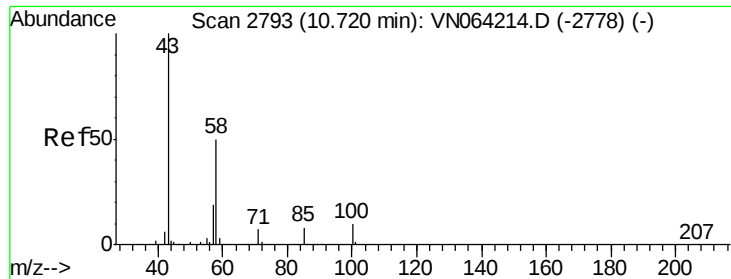
63 100

106 25.0

21.3

31.9





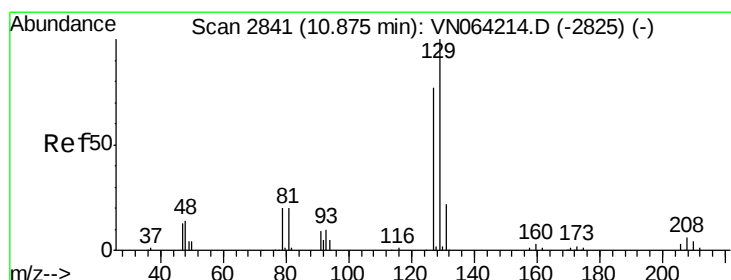
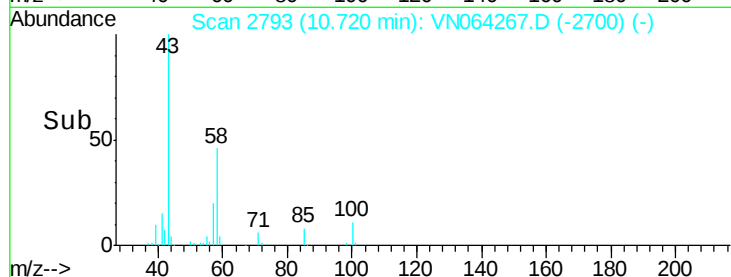
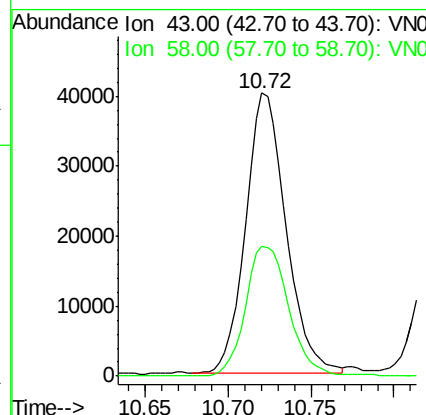
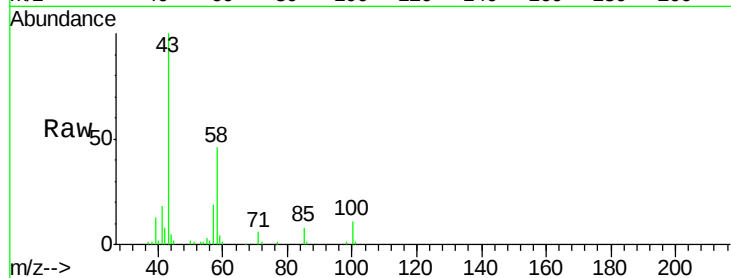
#59
2-Hexanone
Concen: 24.546 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	43	Resp	67877
Ion Ratio	100	Lower	Upper
43	100		
58	49.5	24.8	74.3

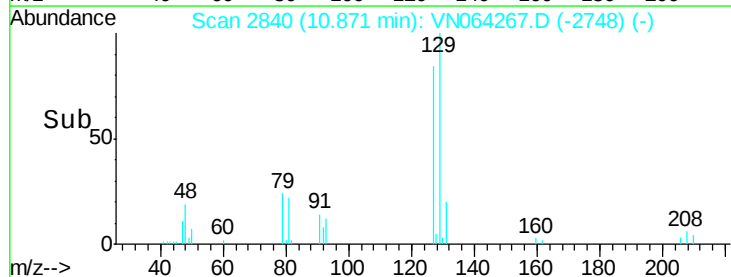
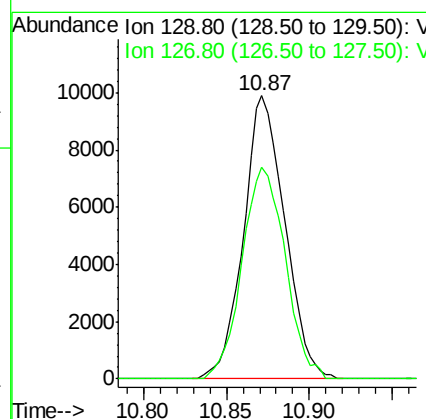
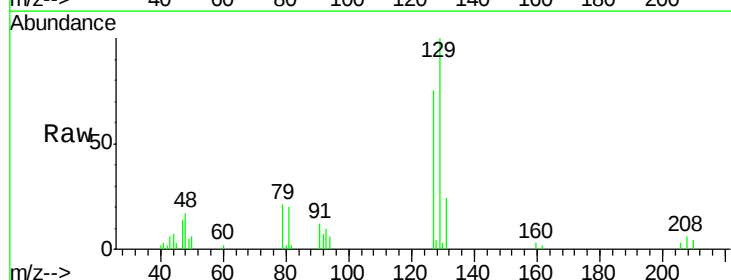
Manual Integrations
APPROVED

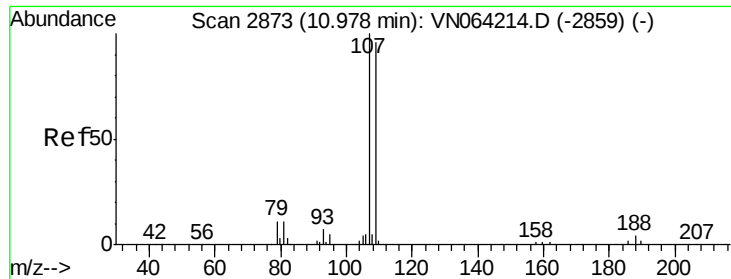
MMDadoda
10/23/2020 3:37:58 PM



#60
Dibromochloromethane
Concen: 4.734 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Tgt Ion	129	Resp	17116
Ion Ratio	100	Lower	Upper
129	100		
127	78.1	38.8	116.3





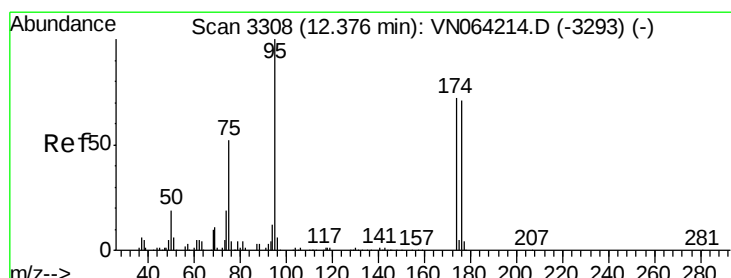
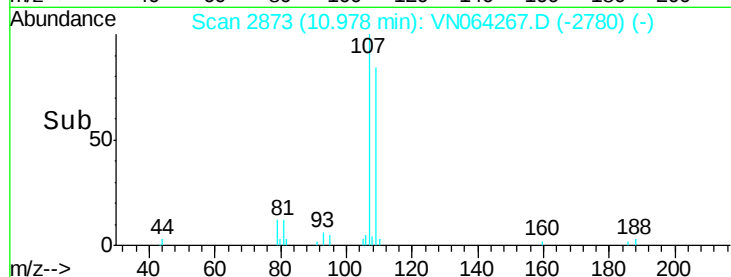
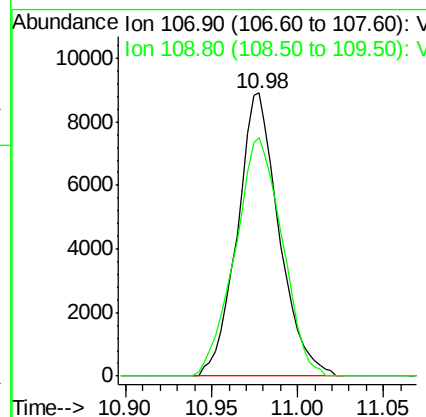
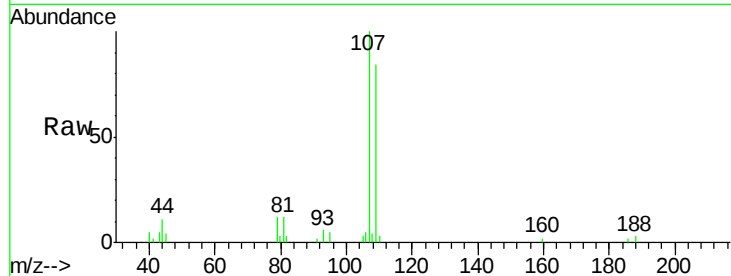
#61
 1,2-Dibromoethane
 Concen: 5.089 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	76.2	114.4

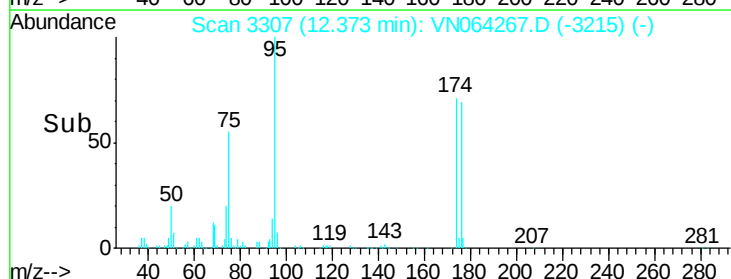
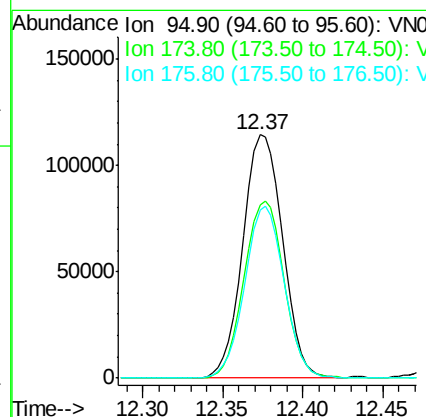
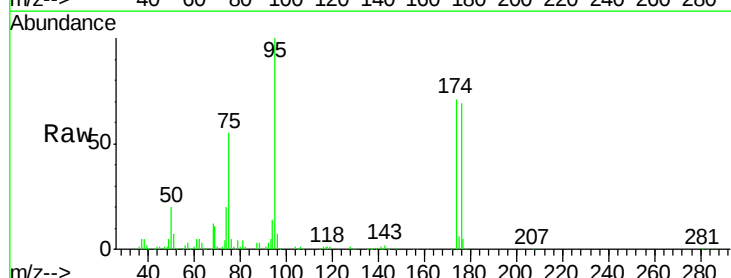
Manual Integrations
 APPROVED

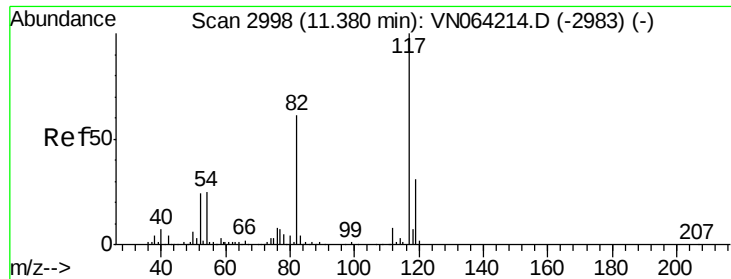
MMDadoda
 10/23/2020 3:37:58 PM



#62
 4-Bromofluorobenzene
 Concen: 47.374 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	144.4
176	70.0	0.0	139.2





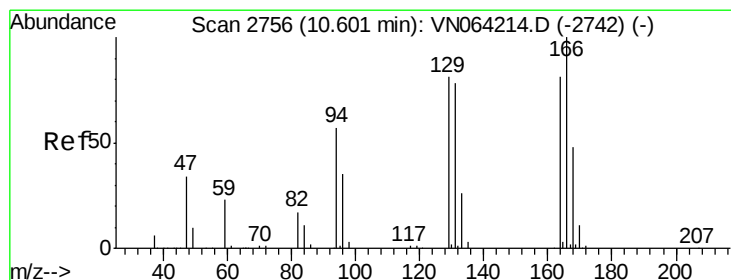
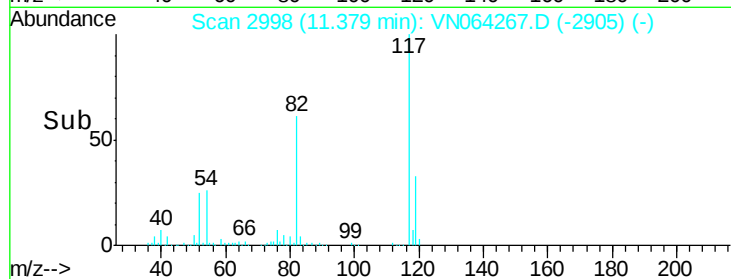
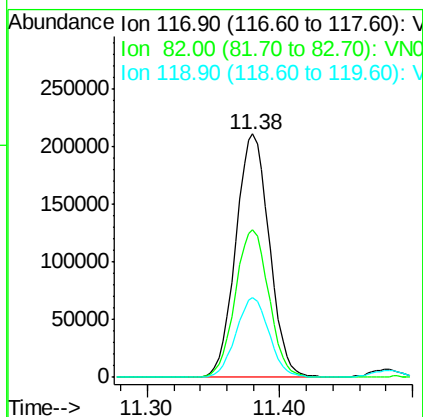
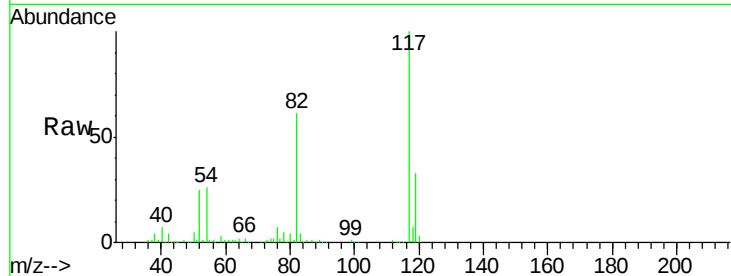
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	369904		
82	60.5	48.8	73.2	
119	32.9	24.7	37.1	

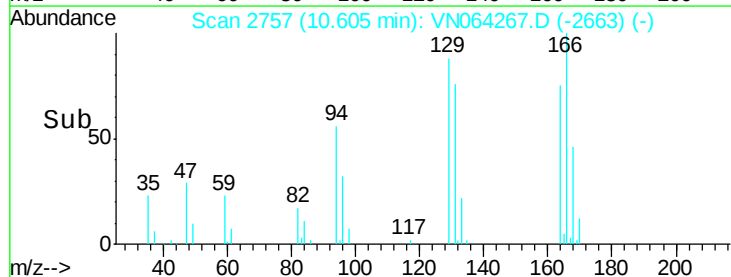
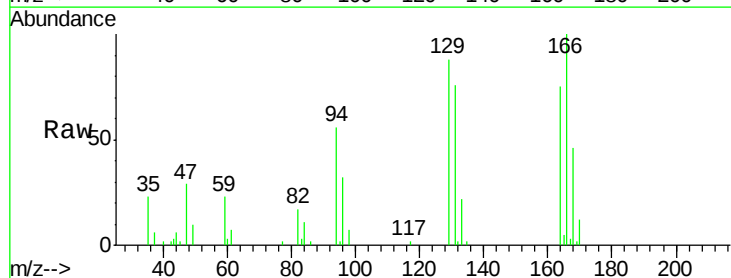
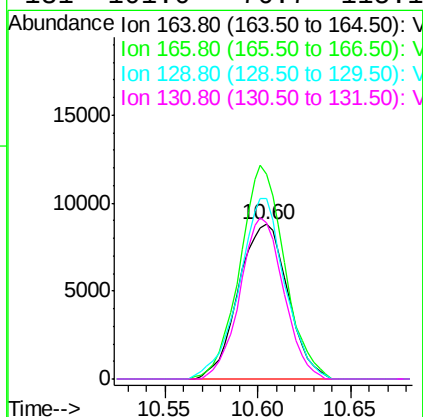
Manual Integrations
APPROVED

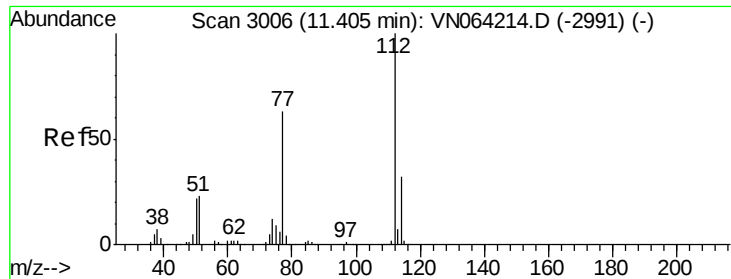
MMDadoda
10/23/2020 3:37:58 PM



#64
Tetrachloroethene
Concen: 5.462 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	16266		
166	132.5	98.9	148.3	
129	116.6	79.9	119.9	
131	101.0	76.7	115.1	





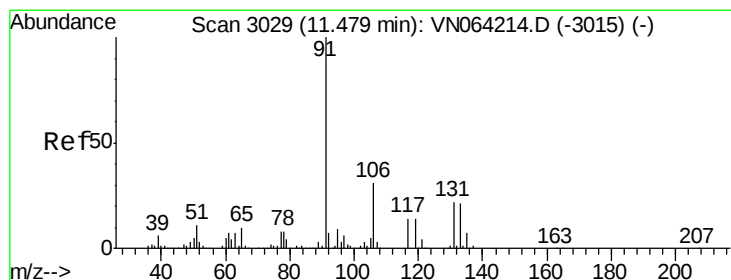
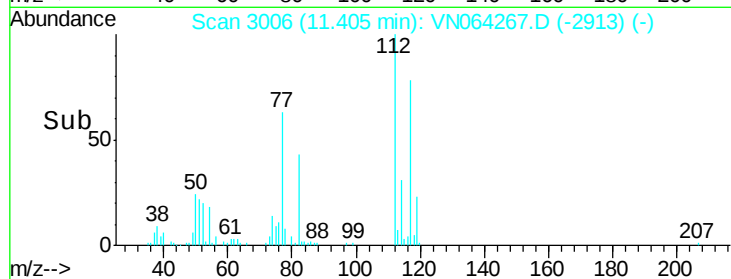
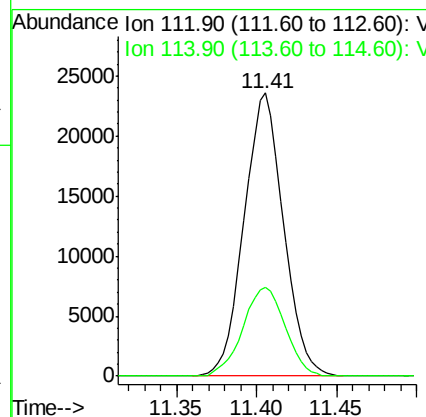
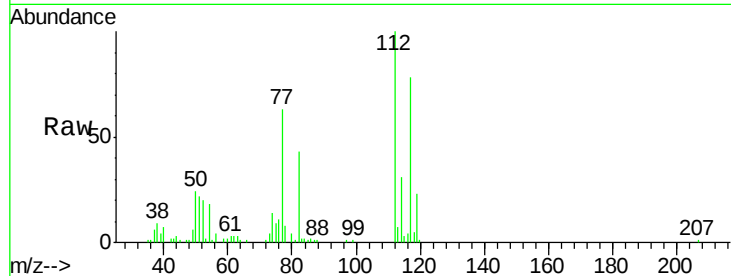
#65
Chlorobenzene
Concen: 5.175 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion:112 Resp: 39627
Ion Ratio Lower Upper
112 100
114 31.5 25.7 38.5

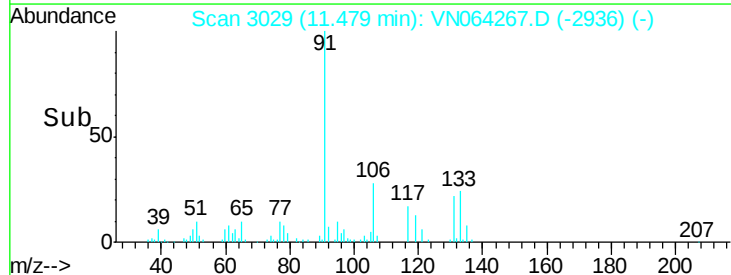
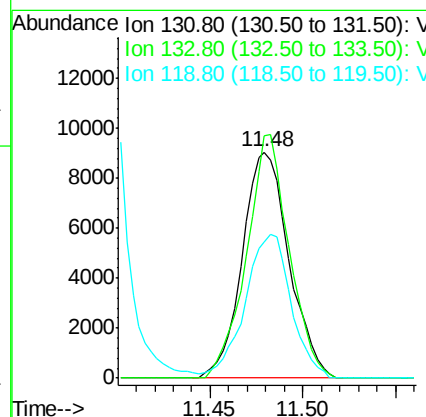
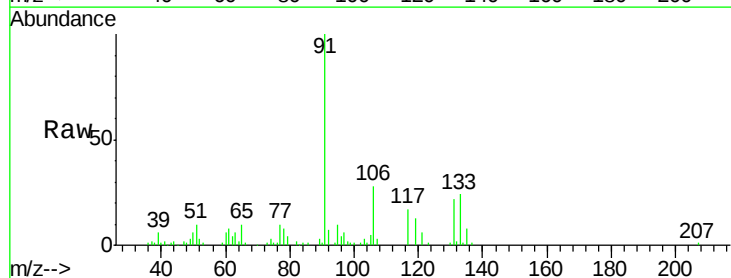
Manual Integrations
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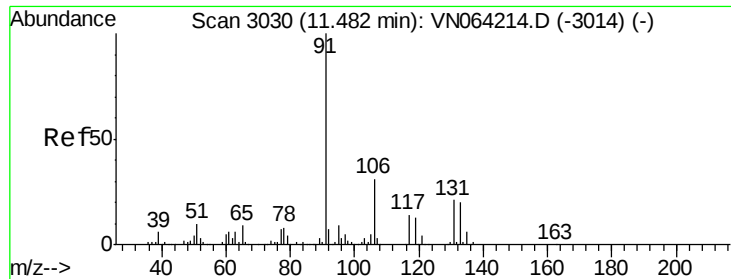
MMDadoda
10/23/2020 3:37:58 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 5.216 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Tgt Ion:131 Resp: 15854
Ion Ratio Lower Upper
131 100
133 98.2 47.8 143.4
119 62.8 32.2 96.6





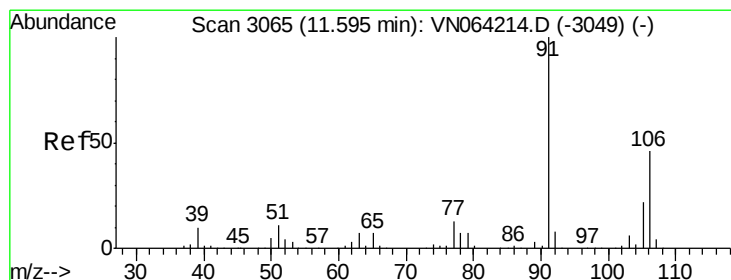
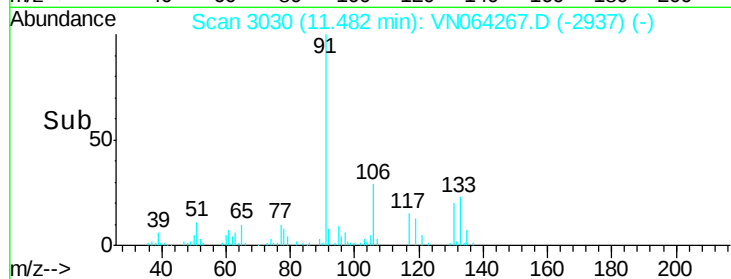
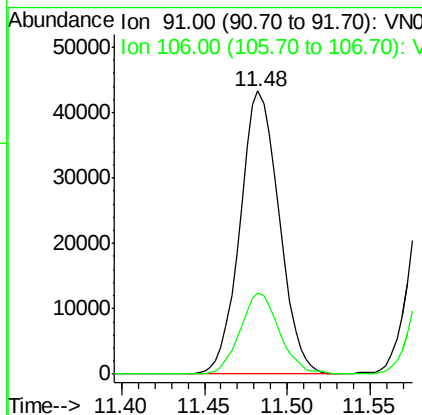
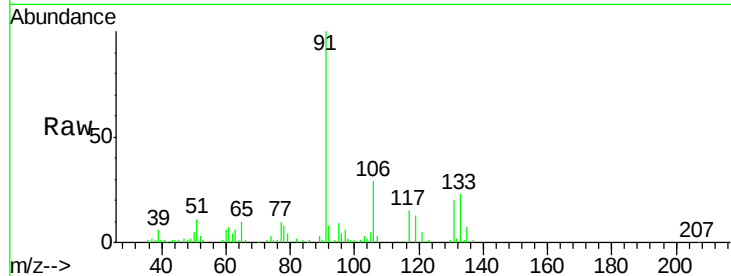
#67
Ethyl Benzene
Concen: 5.038 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion: 91 Resp: 70897
Ion Ratio Lower Upper
91 100
106 28.9 24.8 37.2

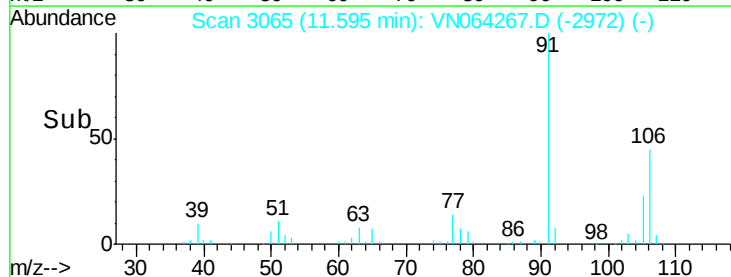
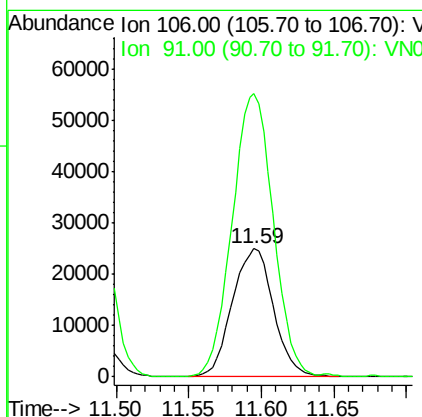
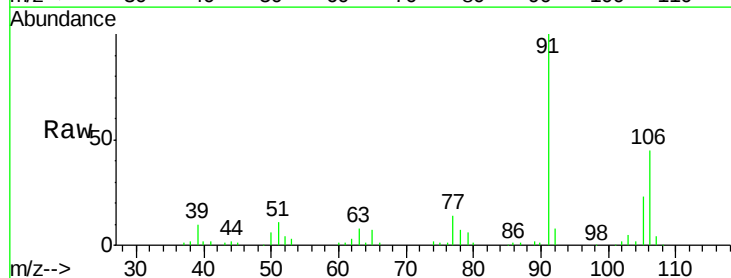
Manual Integrations
APPROVED

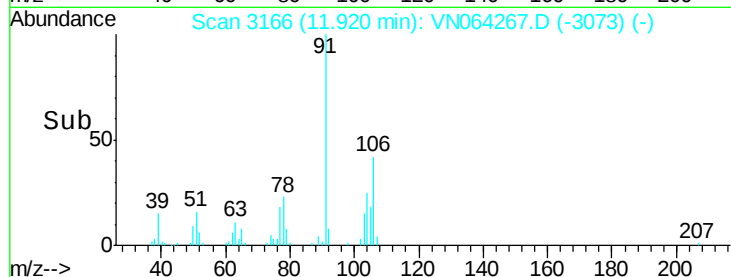
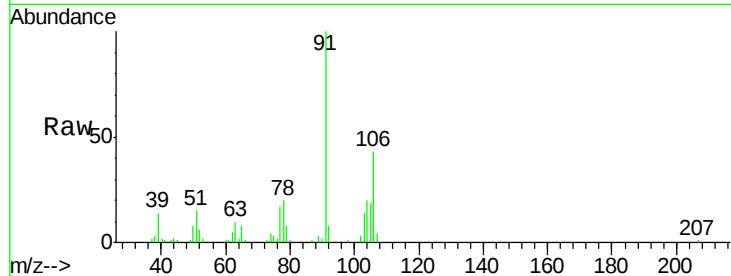
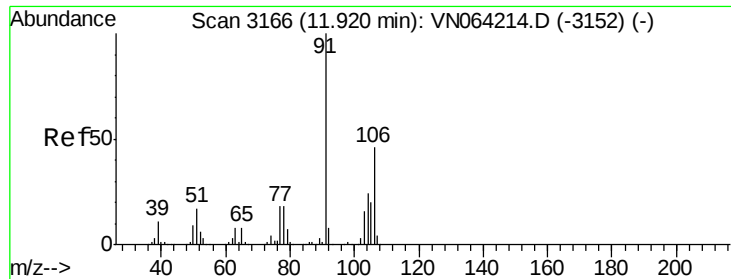
MMDadoda
10/23/2020 3:37:58 PM



#68
m/p-Xylenes
Concen: 9.455 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Tgt Ion: 106 Resp: 49296
Ion Ratio Lower Upper
106 100
91 220.5 172.2 258.2





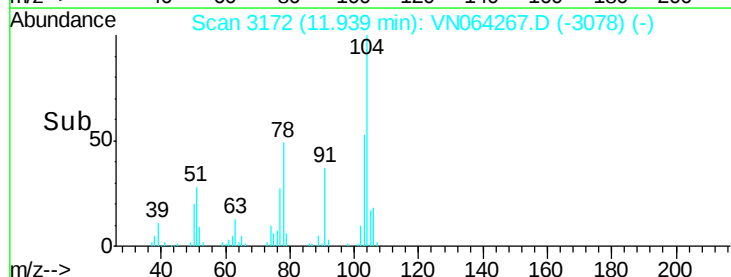
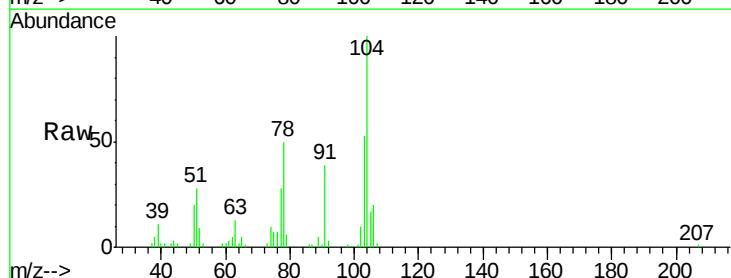
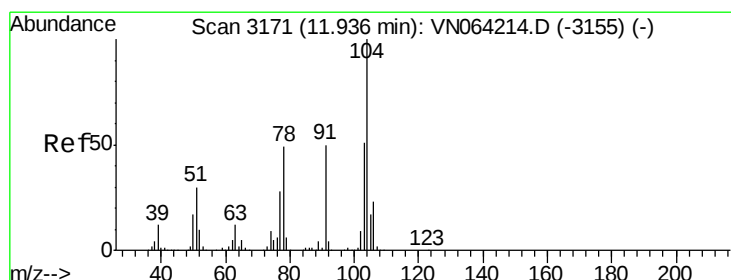
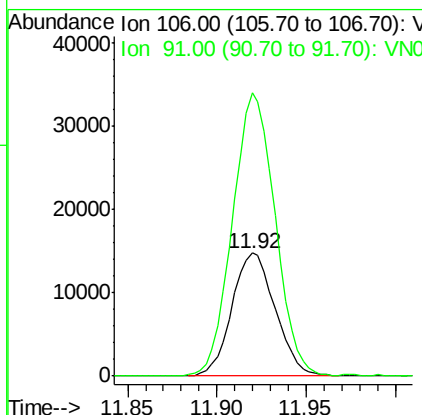
#69
o-Xylene
Concen: 4.953 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion:106 Resp: 24974
Ion Ratio Lower Upper
106 100
91 225.7 109.9 329.6

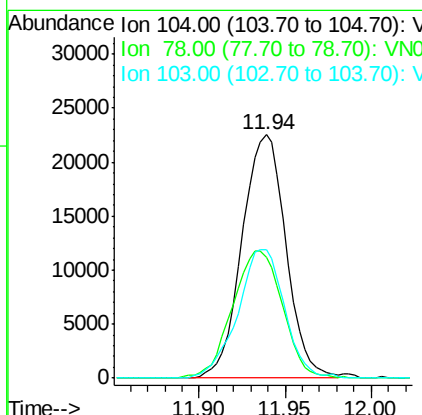
Manual Integrations
APPROVED

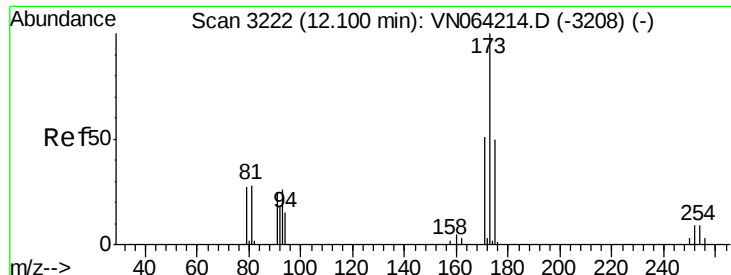
MMDadoda
10/23/2020 3:37:58 PM



#70
Styrene
Concen: 4.738 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Tgt Ion:104 Resp: 40043
Ion Ratio Lower Upper
104 100
78 59.6 43.8 65.6
103 56.4 43.4 65.2





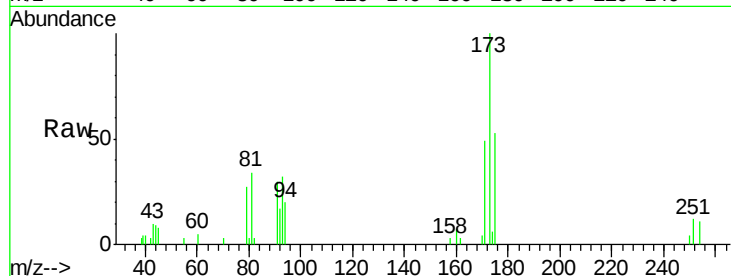
#71
Bromoform
Concen: 4.683 ug/l
RT: 12.10 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
173	100		
175	53.8	25.1	75.3
254	0.0	0.0	0.0

Manual Integrations
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10/23/2020 3:37:58 PM

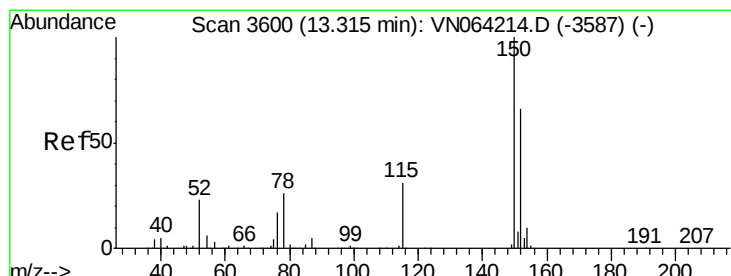
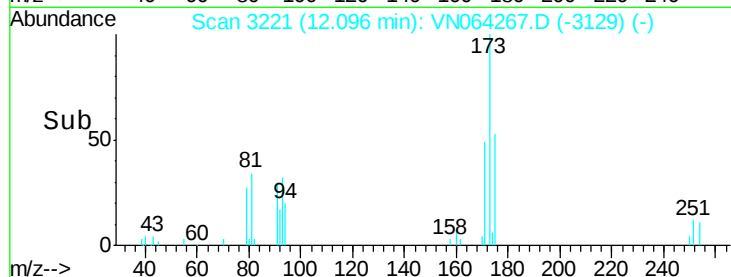
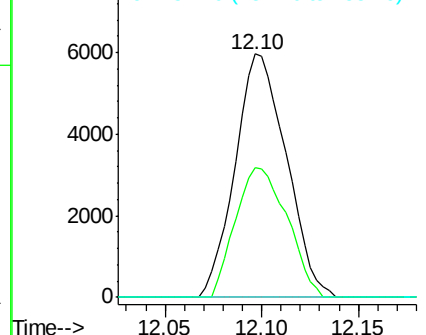


Abundance

Ion 172.70 (172.40 to 173.40): V

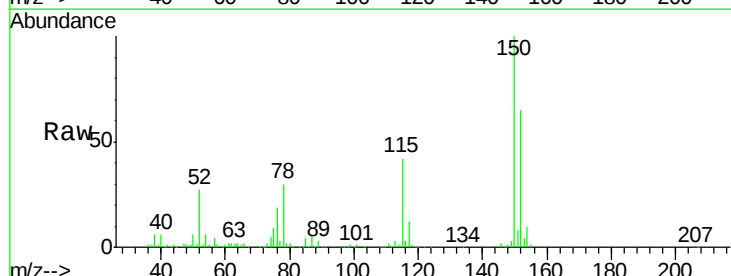
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.0	32.0	96.2
150	158.4	0.0	356.6

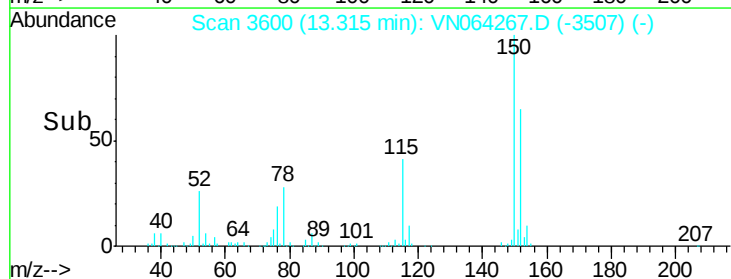
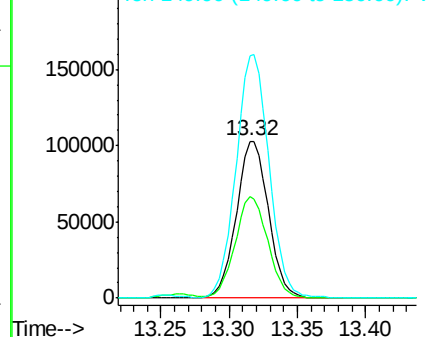


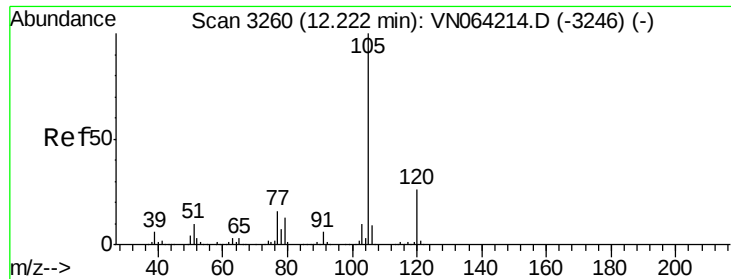
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.160 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:105 Resp: 66284

Ion Ratio Lower Upper

105 100

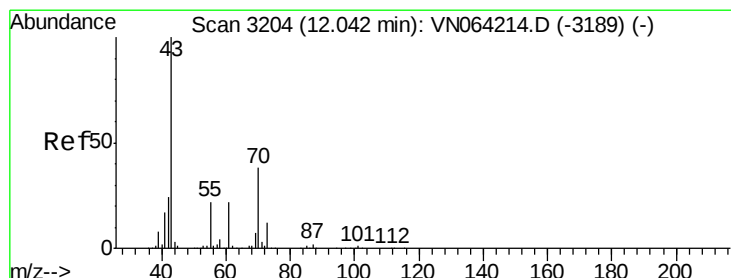
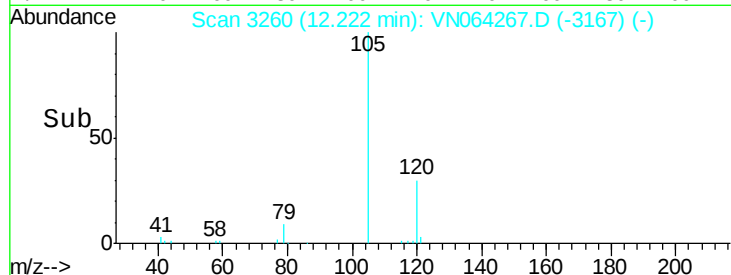
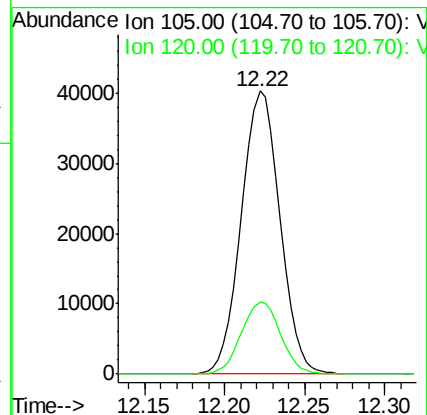
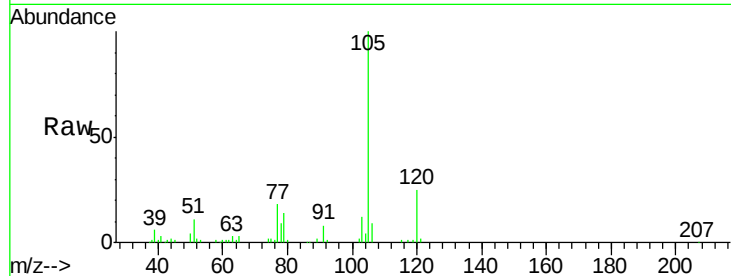
120 25.8 12.9 38.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 4.960 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Tgt Ion: 43 Resp: 27529

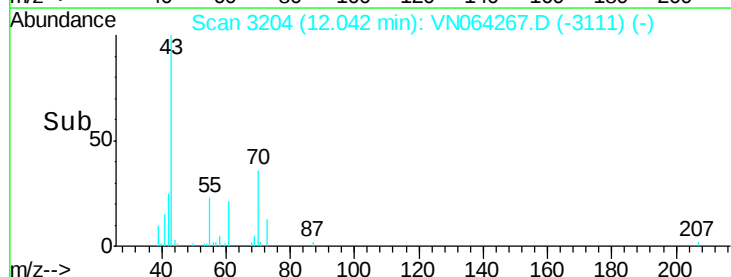
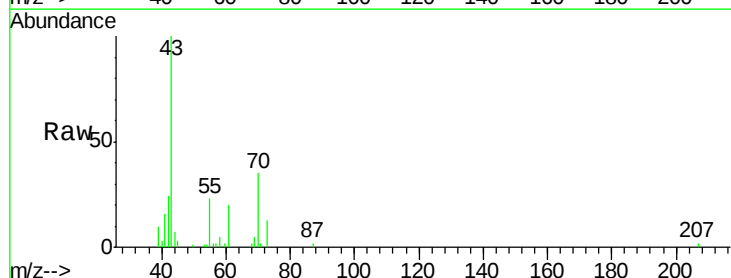
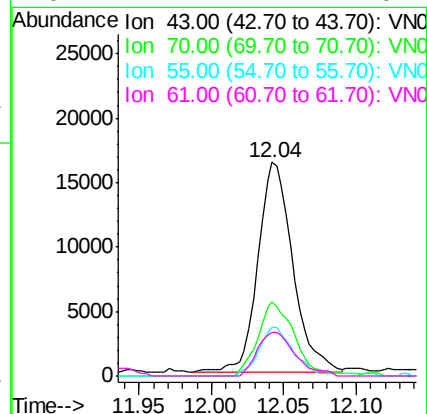
Ion Ratio Lower Upper

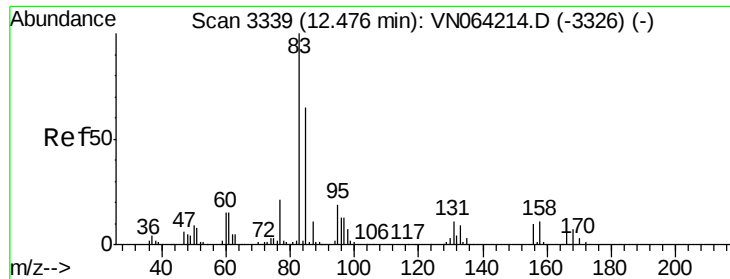
43 100

70 35.9 30.2 45.4

55 23.0 18.0 27.0

61 22.1 17.4 26.2





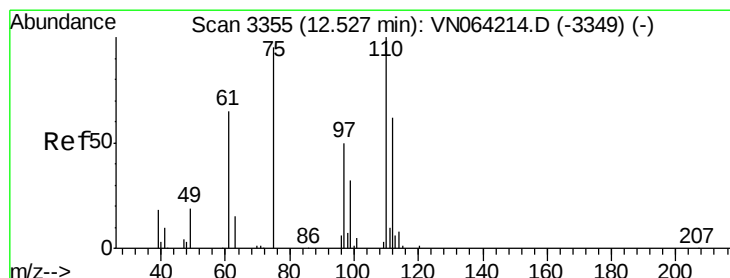
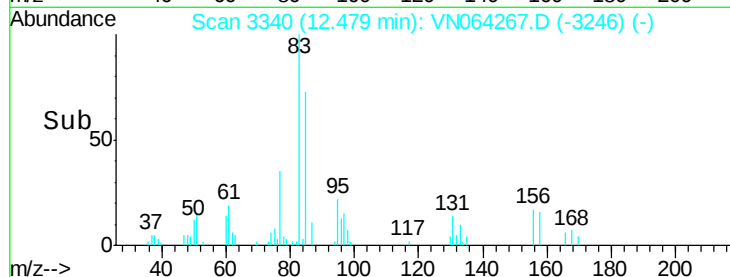
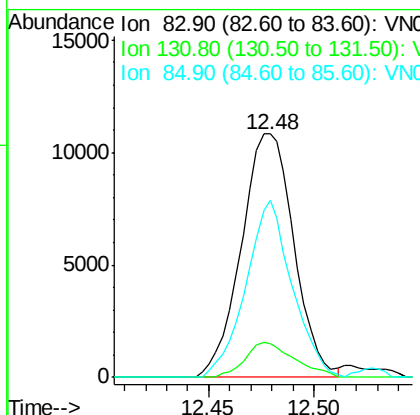
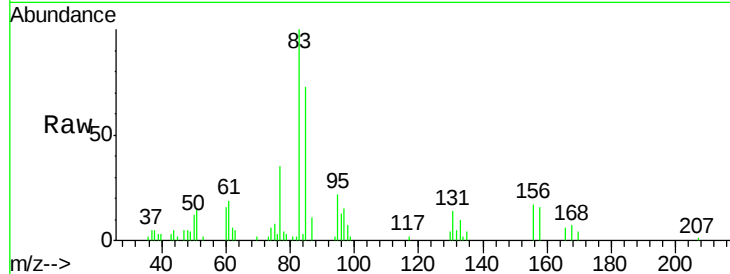
#75
 1,1,2,2-Tetrachloroethane
 Concen: 5.505 ug/l
 RT: 12.48 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion	83	Resp	18767
Ion Ratio	100	Lower	Upper
83	100		
131	13.5	5.5	16.7
85	64.0	32.4	97.0

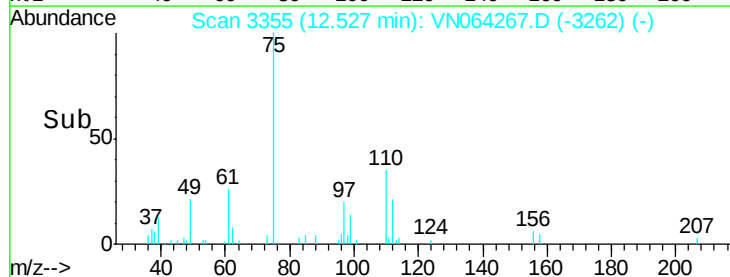
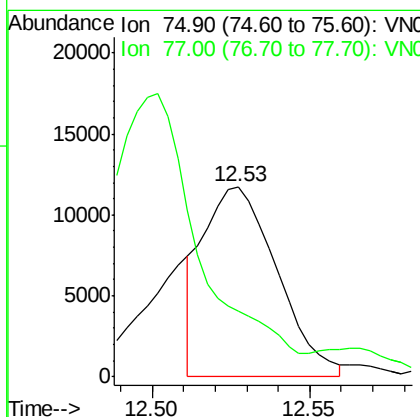
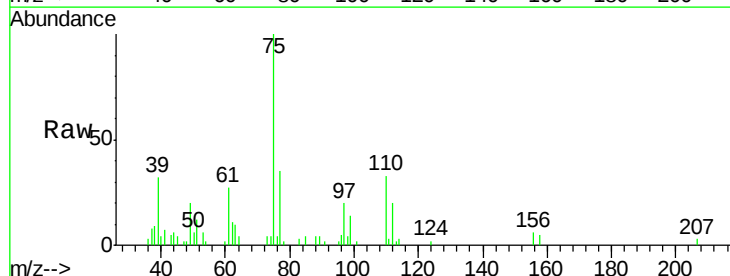
Manual Integrations
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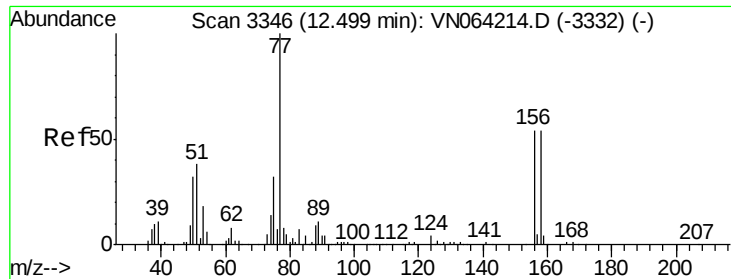
MMDadoda
 10/23/2020 3:37:58 PM



#76
 1,2,3-Trichloropropane
 Concen: 5.355 ug/l m
 RT: 12.53 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

Tgt Ion	75	Resp	19013
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





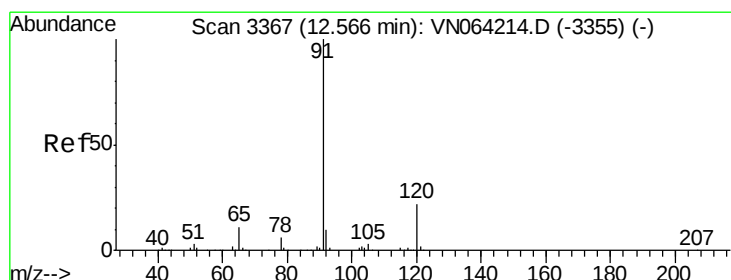
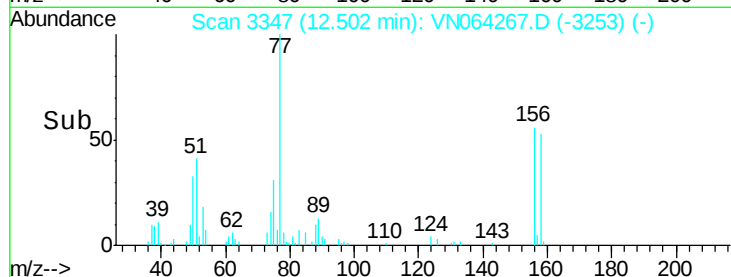
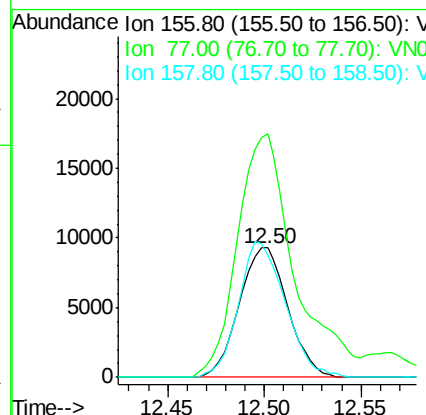
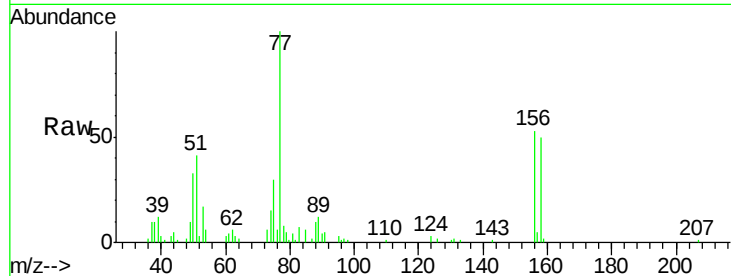
#77
Bromobenzene
Concen: 5.345 ug/l
RT: 12.50 min Scan# 3347
Delta R.T. 0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	221.9	111.1	333.4	
158	101.2	50.0	150.1	

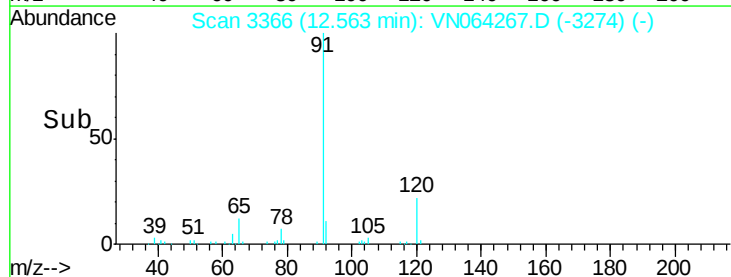
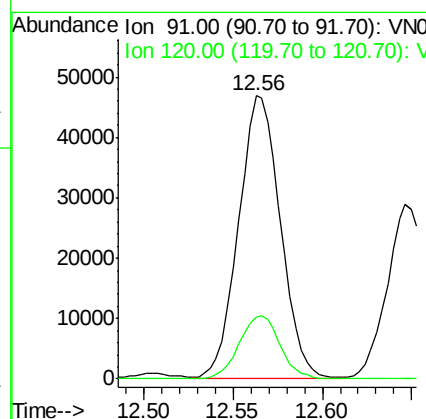
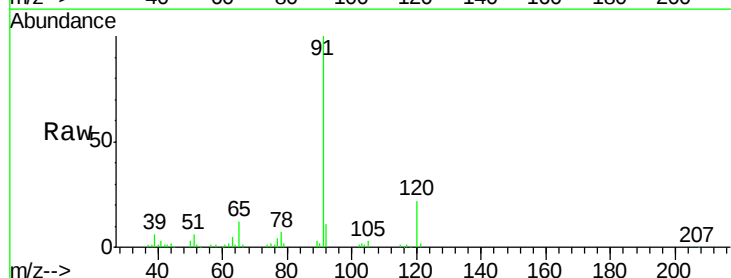
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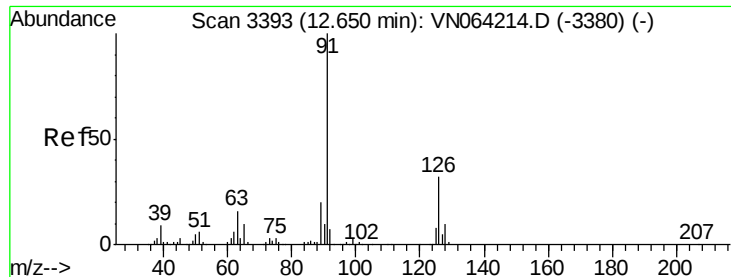
MMDadoda
10/23/2020 3:37:58 PM



#78
n-propylbenzene
Concen: 5.318 ug/l
RT: 12.56 min Scan# 3366
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.6	11.1	33.1	





#79

2-Chlorotoluene

Concen: 5.375 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 91 Resp: 47816

Ion Ratio Lower Upper

91 100

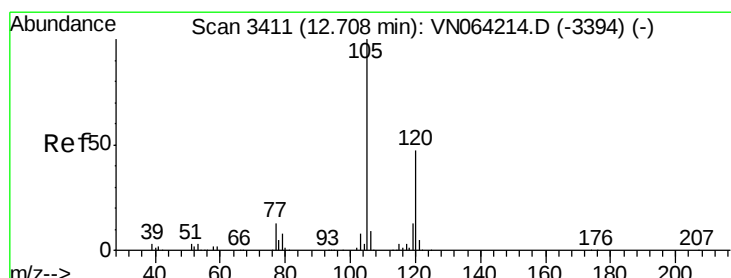
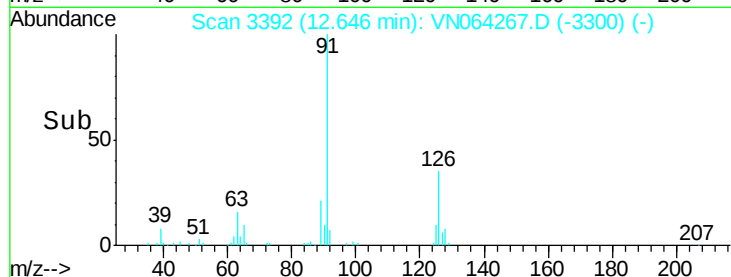
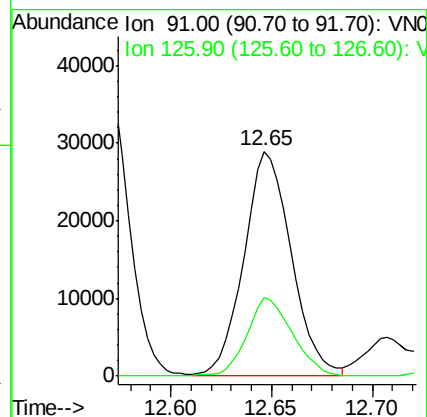
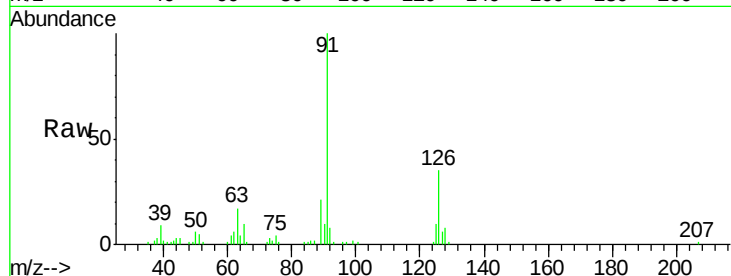
126 33.3 16.0 48.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 5.282 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064267.D

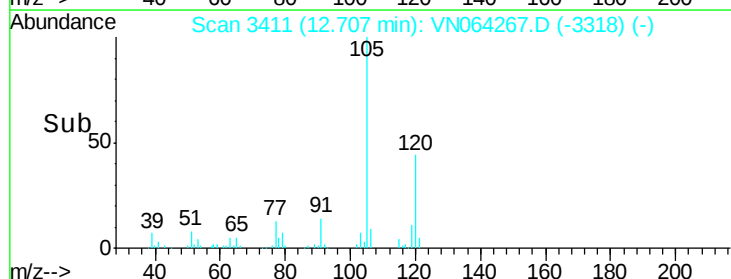
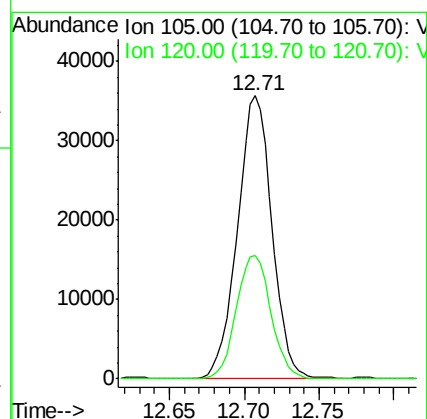
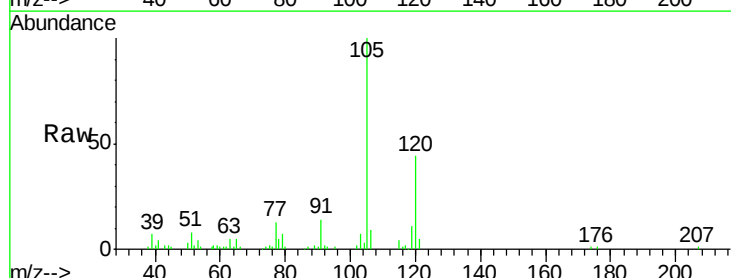
Acq: 22 Oct 2020 22:02

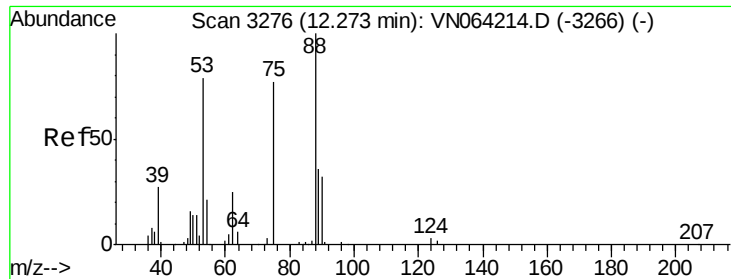
Tgt Ion: 105 Resp: 57361

Ion Ratio Lower Upper

105 100

120 43.6 23.4 70.0





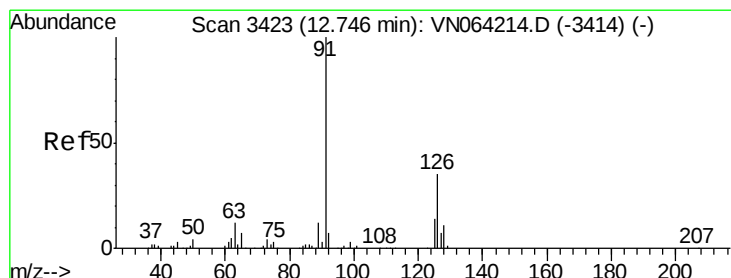
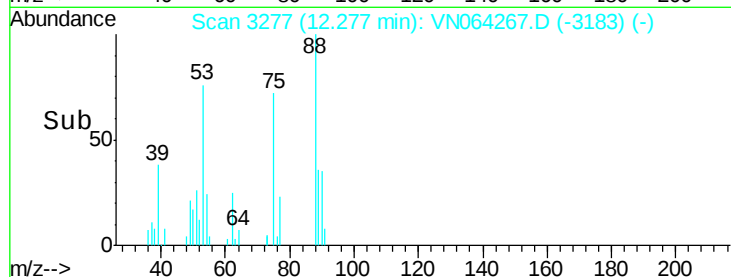
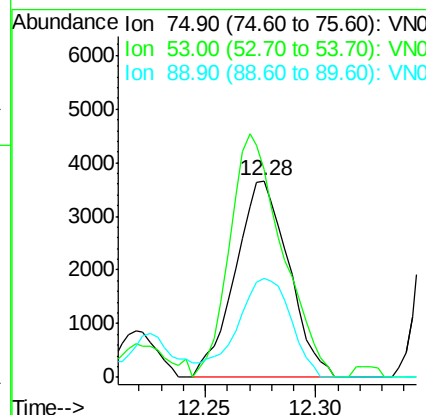
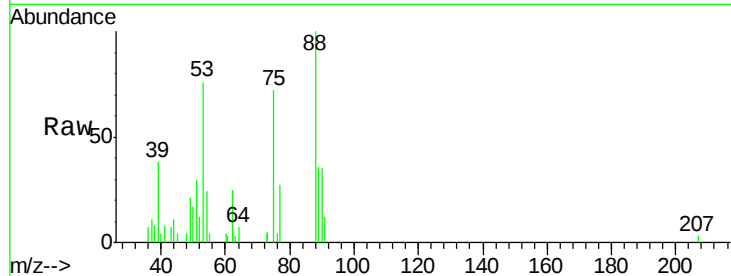
#81
trans-1,4-Dichloro-2-butene
Concen: 4.399 ug/l
RT: 12.28 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
75	100		
53	121.5	81.0	121.4#
89	50.5	38.7	58.1

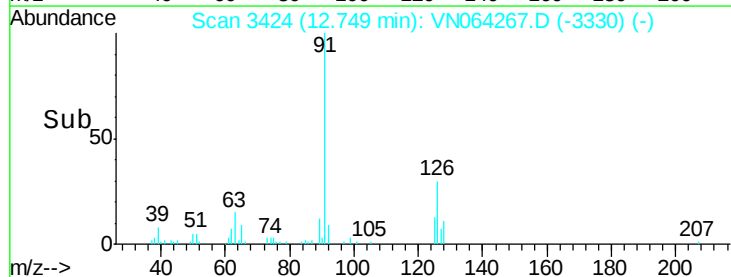
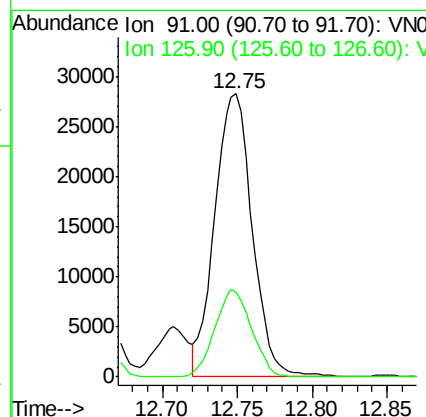
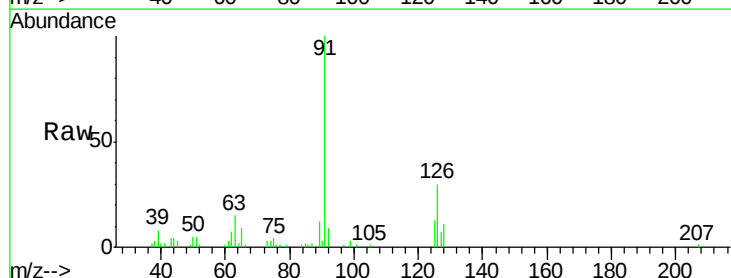
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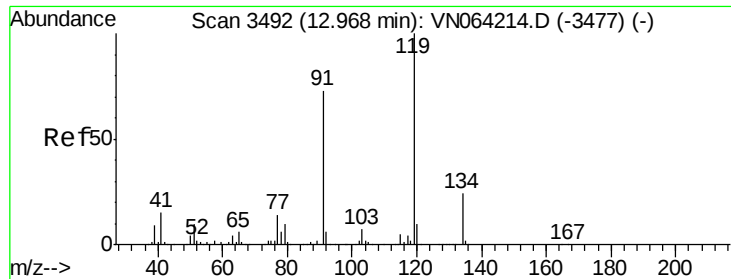
MMDadoda
10/23/2020 3:37:58 PM



#82
4-Chlorotoluene
Concen: 5.325 ug/l
RT: 12.75 min Scan# 3424
Delta R.T. 0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.1	15.8	47.3





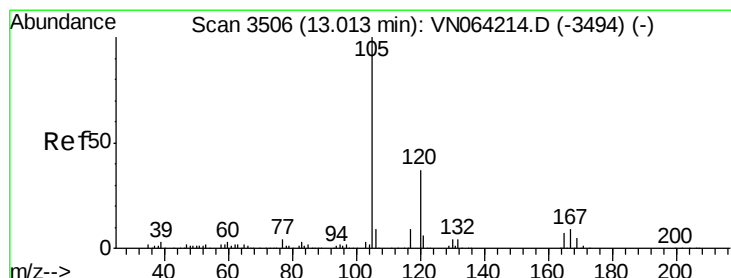
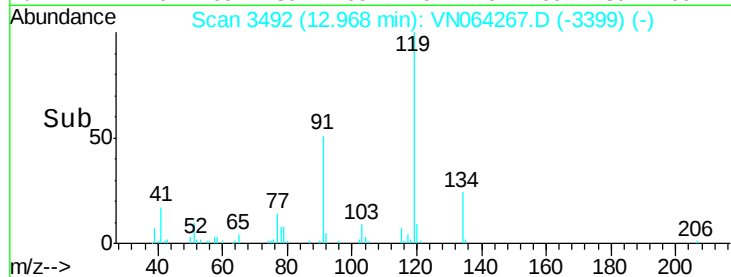
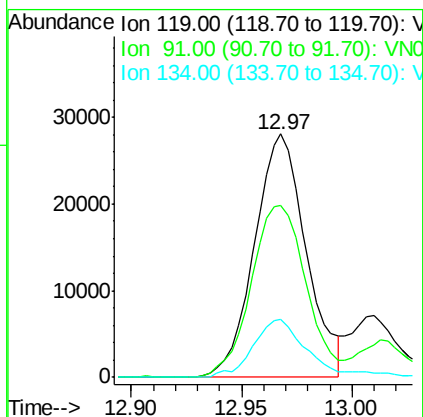
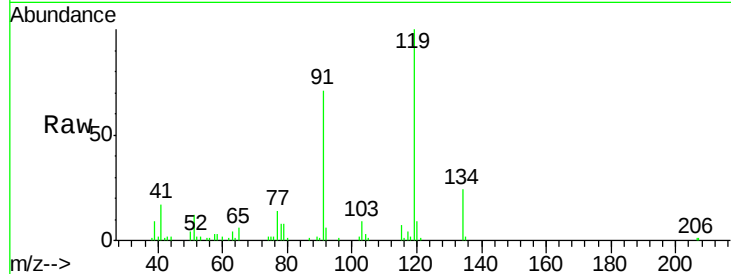
#83
tert-Butylbenzene
Concen: 5.108 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
119	100		
91	75.6	35.1	105.3
134	23.7	11.6	34.8

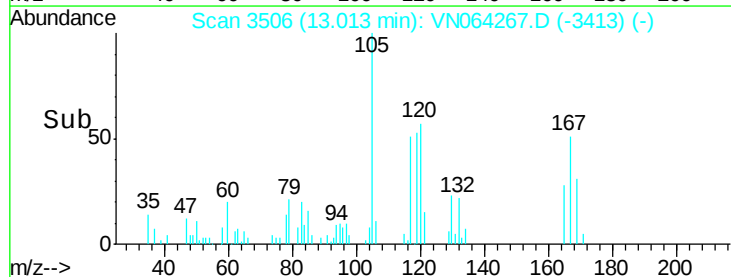
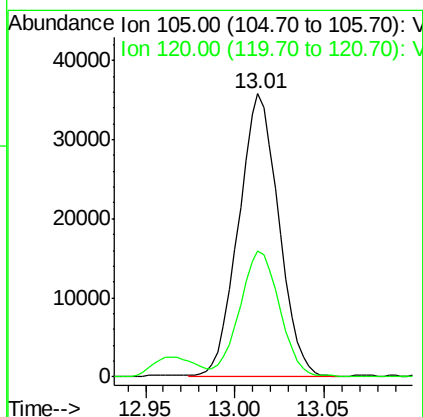
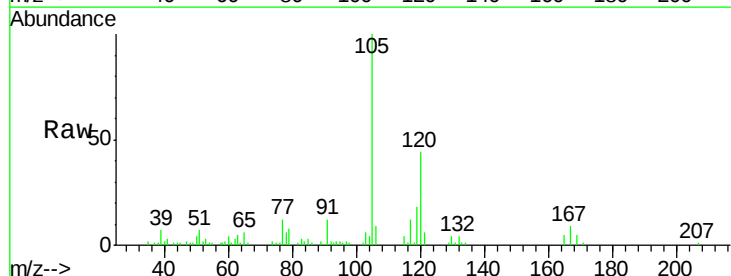
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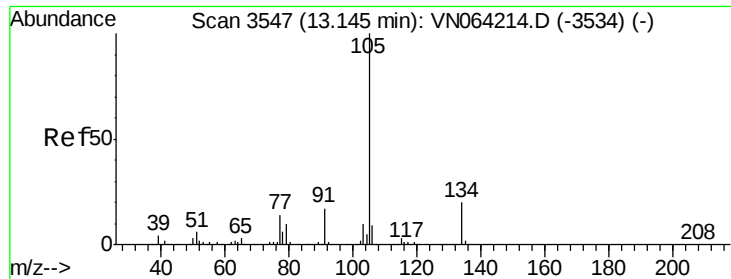
MMDadoda
10/23/2020 3:37:58 PM



#84
1,2,4-Trimethylbenzene
Concen: 5.215 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	21.5	64.5





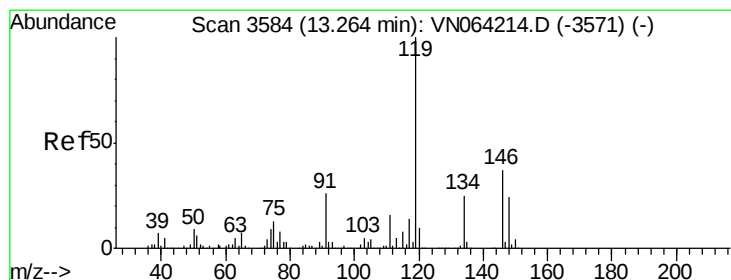
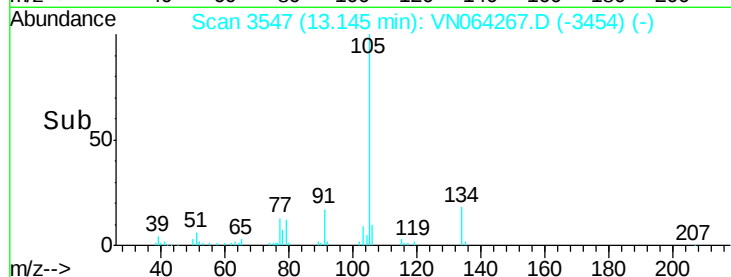
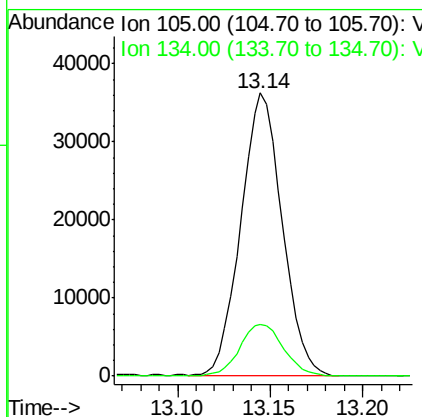
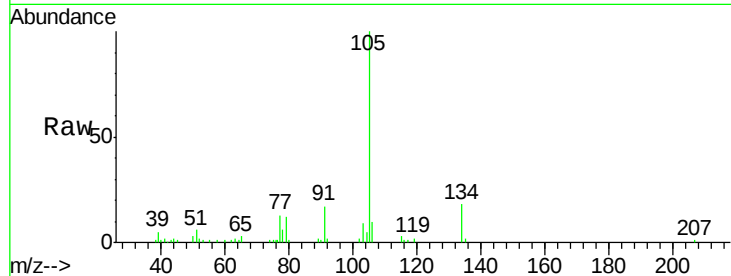
#85
 sec-Butylbenzene
 Concen: 5.001 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	56132		
134	19.4	9.7	29.1	

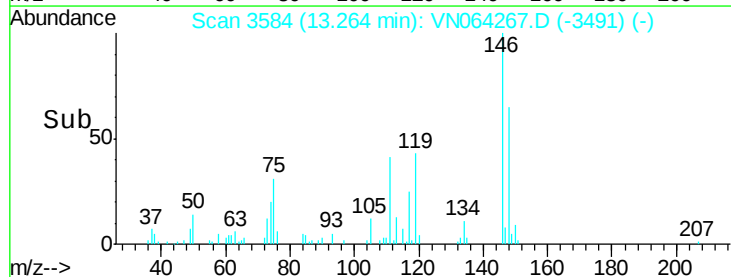
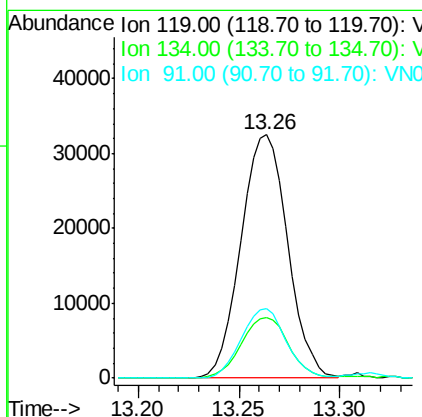
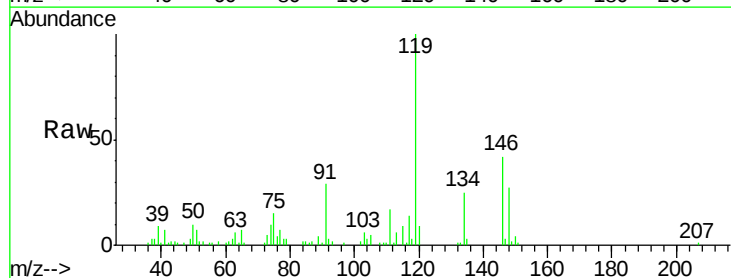
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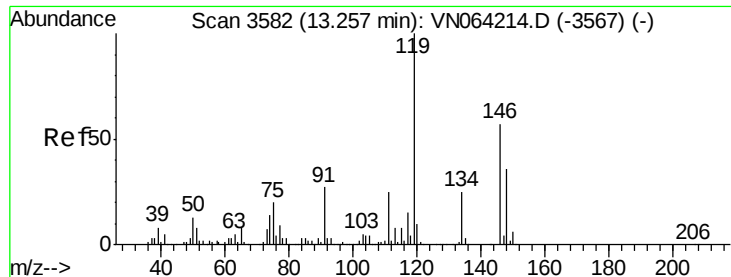
MMDadoda
 10/23/2020 3:37:58 PM



#86
 p-Isopropyltoluene
 Concen: 5.180 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	52948		
134	25.3	13.1	39.3	
91	27.4	13.4	40.2	





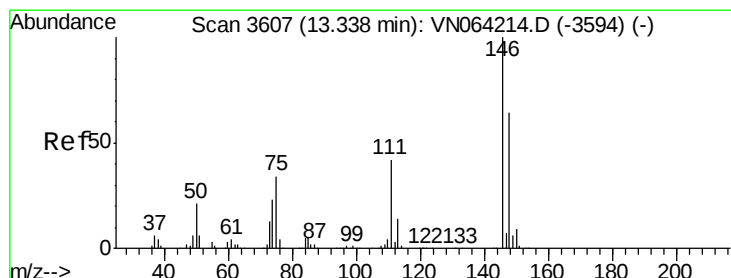
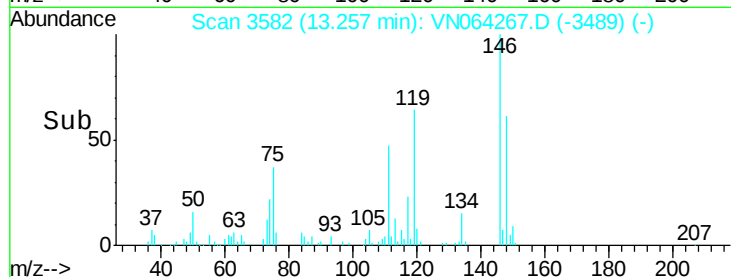
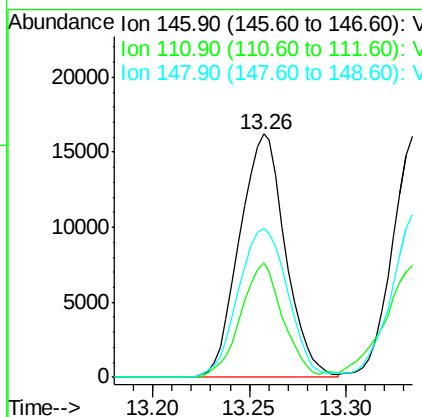
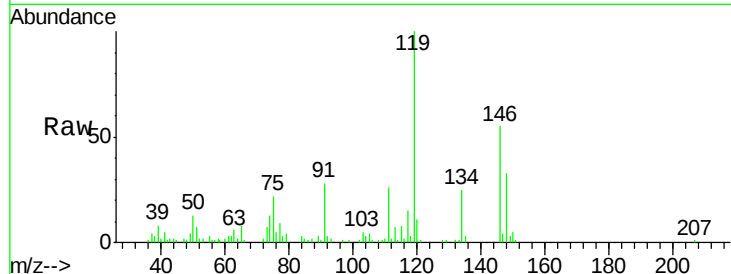
#87
 1,3-Dichlorobenzene
 Concen: 4.963 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.6	65.0
148	66.0	31.7	95.1

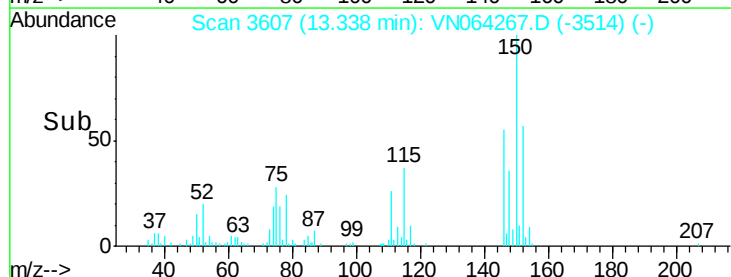
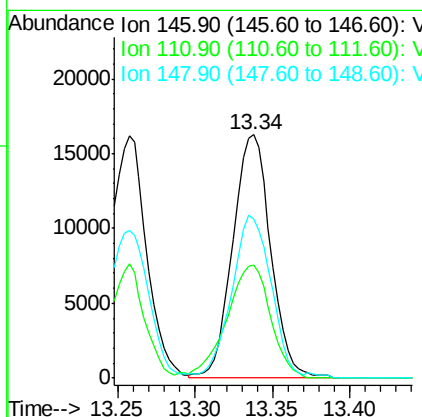
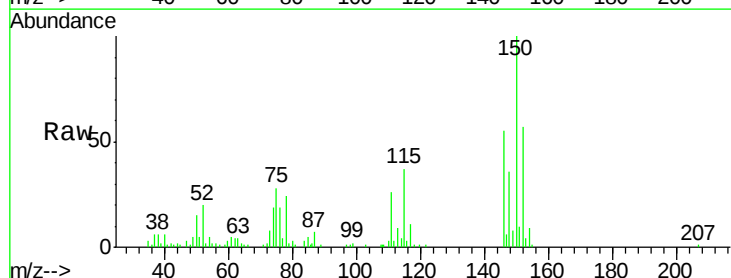
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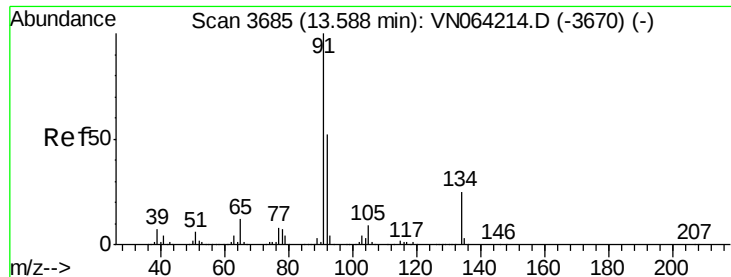
MMDadoda
 10/23/2020 3:37:58 PM



#88
 1,4-Dichlorobenzene
 Concen: 5.033 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	53.5	21.5	64.5
148	66.5	32.0	96.0





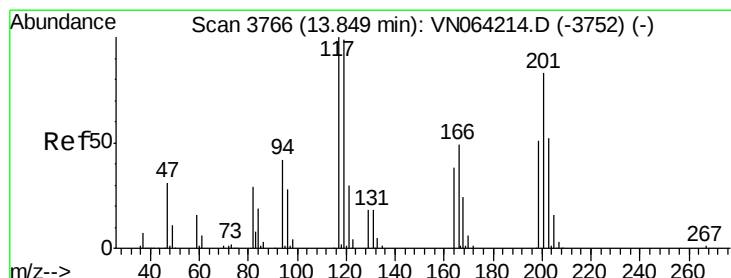
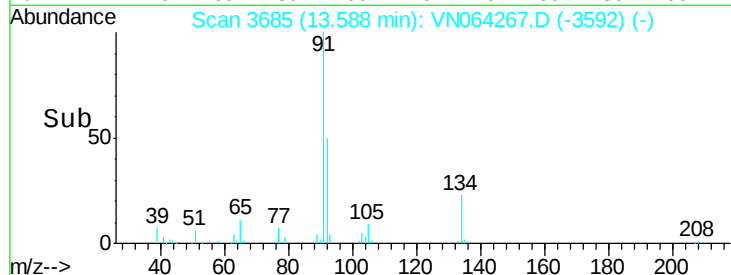
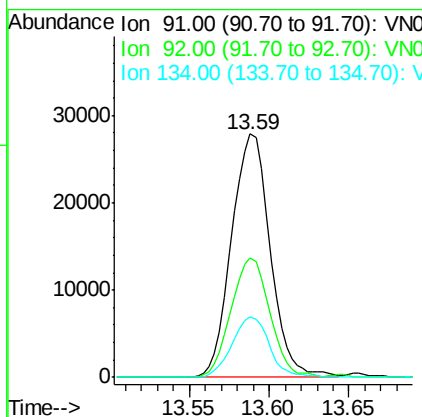
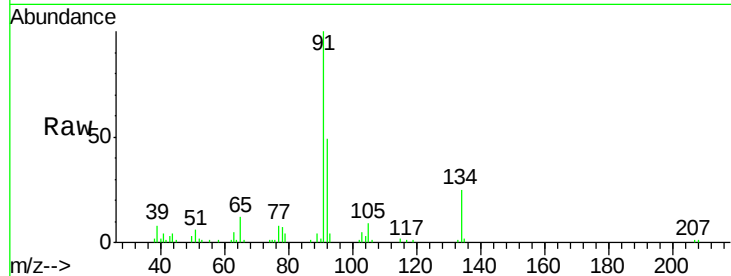
#89
n-Butylbenzene
Concen: 5.013 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
91	100		
92	48.9	25.7	77.0
134	23.8	12.3	36.8

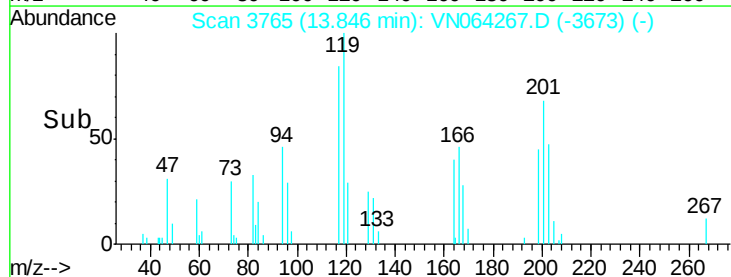
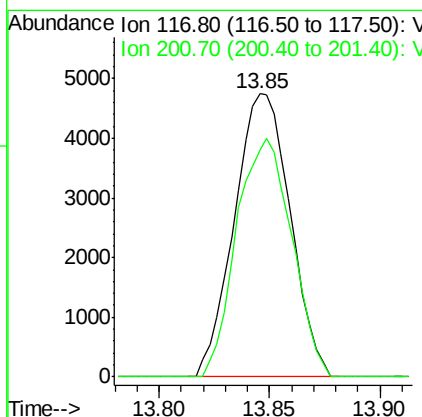
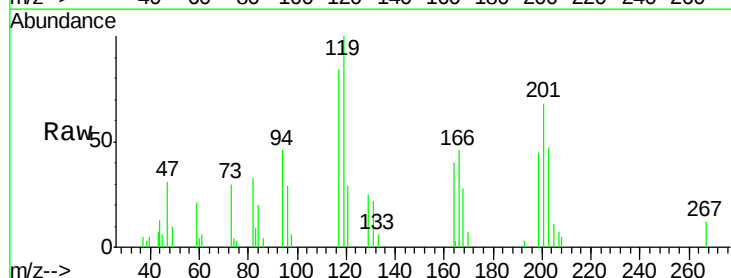
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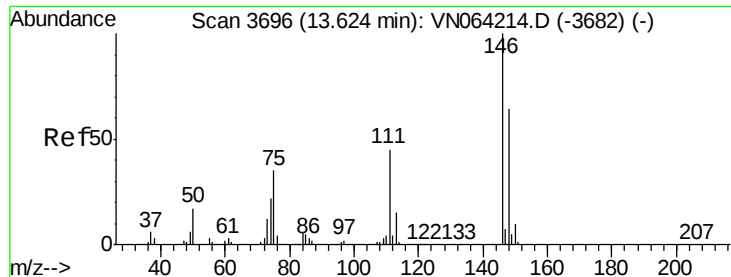
MMDadoda
10/23/2020 3:37:58 PM



#90
Hexachloroethane
Concen: 4.498 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.2	40.1	120.3





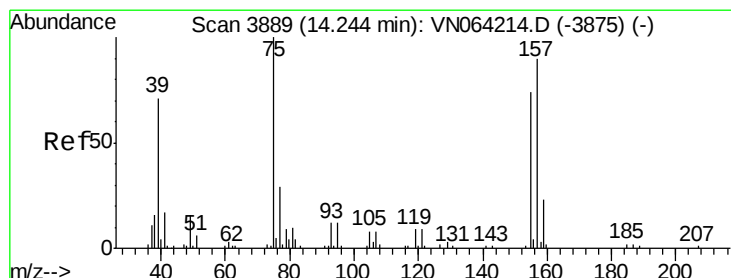
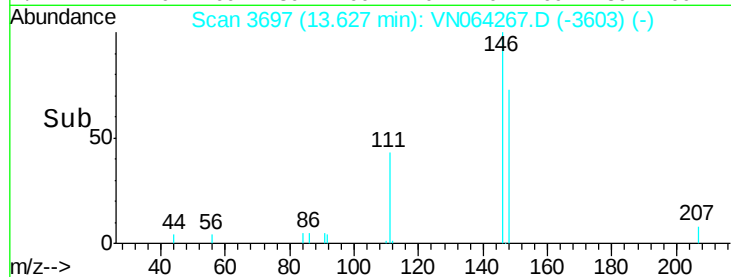
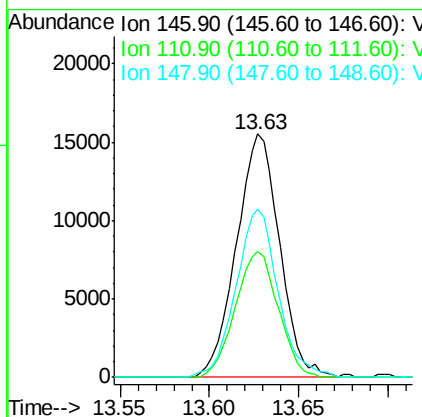
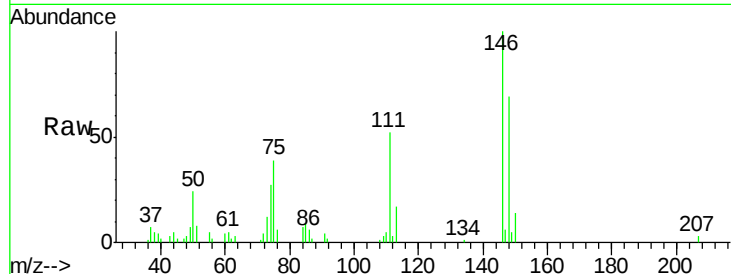
#91
 1,2-Dichlorobenzene
 Concen: 4.951 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	51.3	22.9	68.7
148	67.5	31.9	95.5

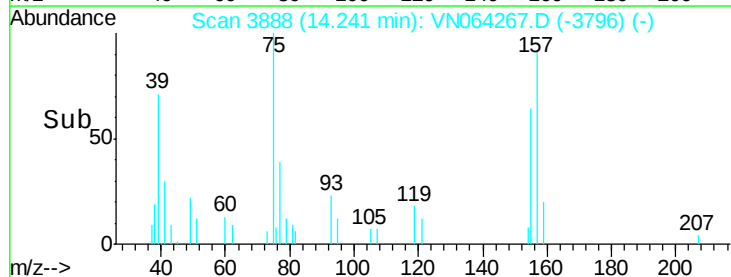
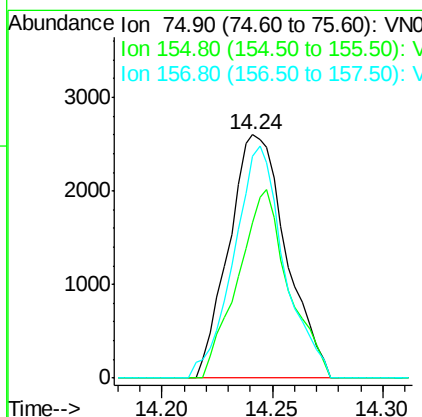
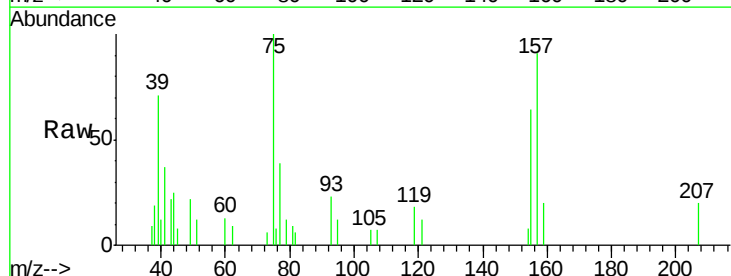
Manual Integrations
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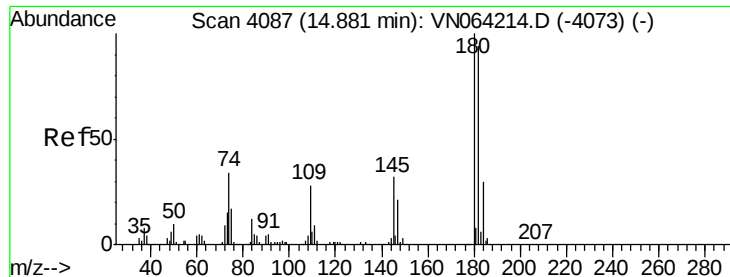
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.514 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.3	36.9	110.7
157	84.0	44.6	133.8





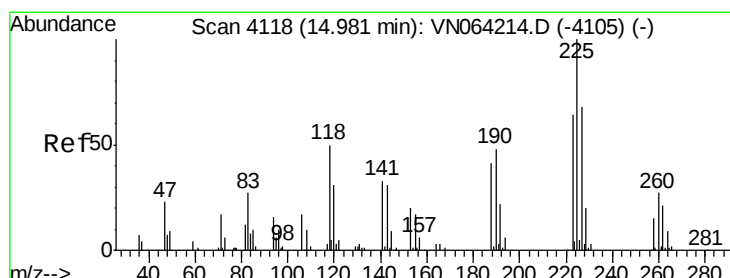
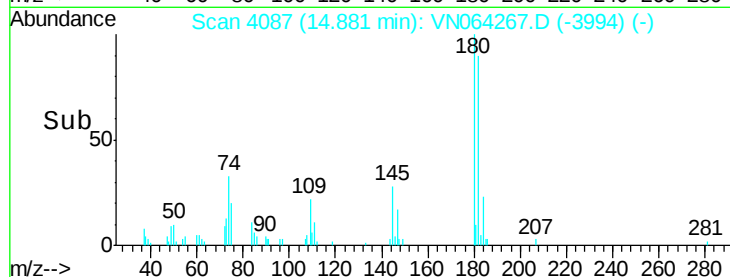
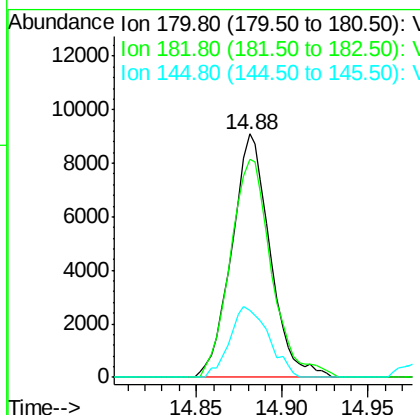
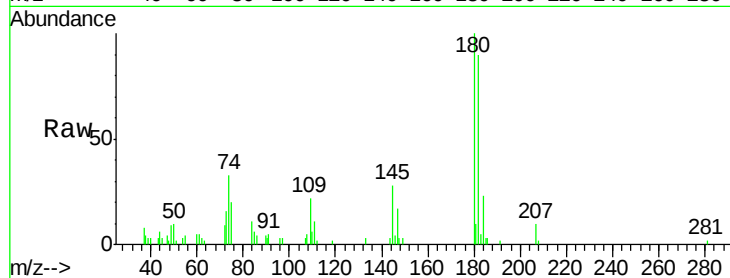
#93
 1,2,4-Trichlorobenzene
 Concen: 4.766 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	14150		
182	96.3	46.9	140.7	
145	29.4	16.1	48.3	

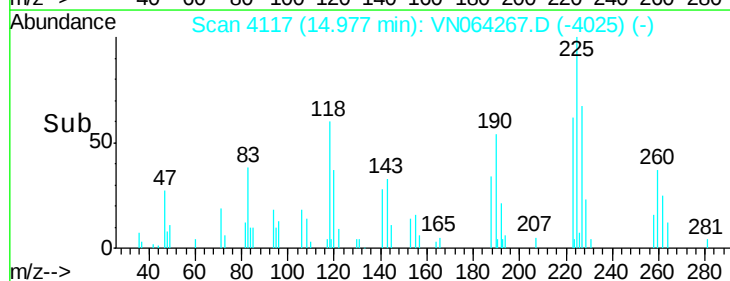
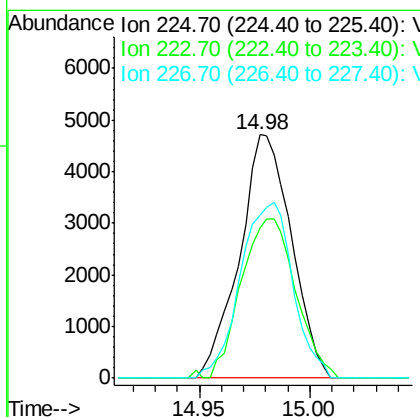
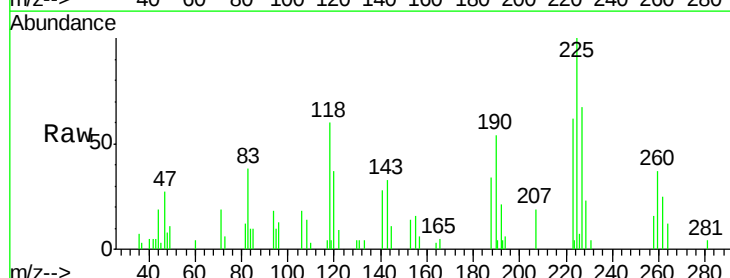
Manual Integrations
 APPROVED

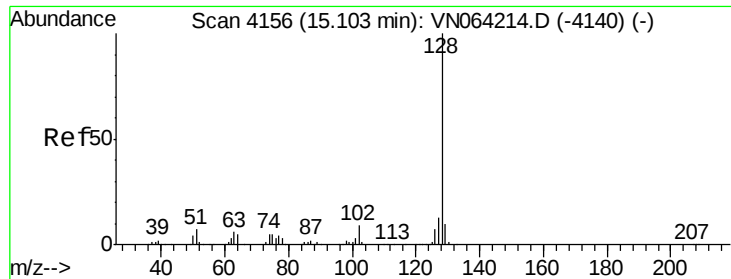
MMDadoda
 10/23/2020 3:37:58 PM



#94
 Hexachlorobutadiene
 Concen: 4.810 ug/l
 RT: 14.98 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	7703		
223	68.7	31.5	94.5	
227	72.8	32.1	96.5	





#95

Naphthalene

Concen: 4.423 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Instrument :

MSVOA_N

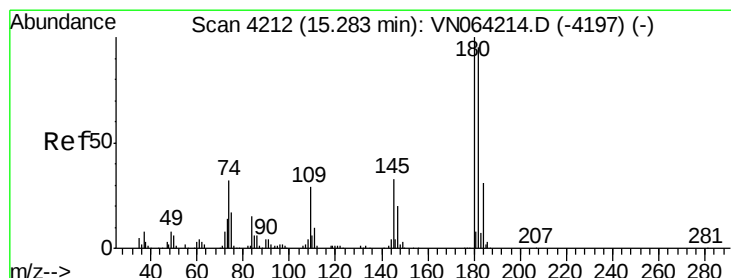
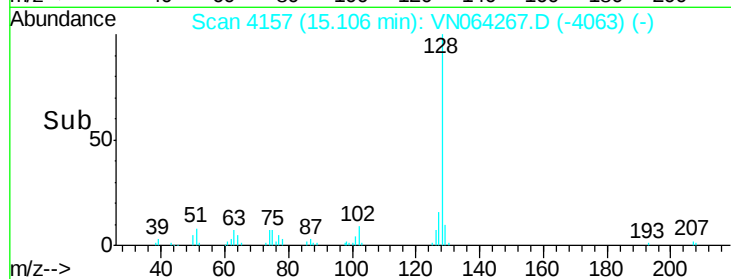
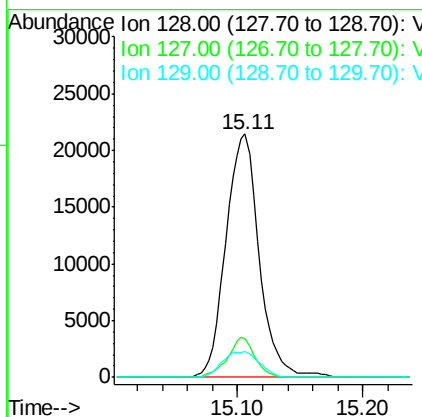
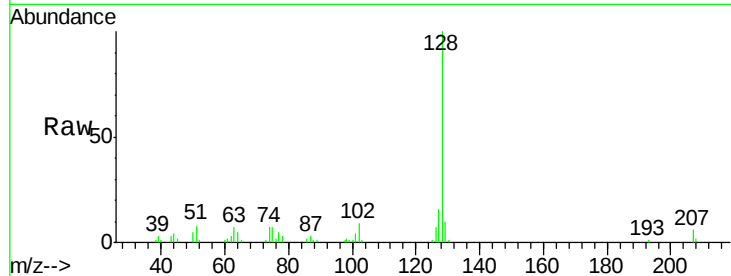
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:	128	Resp:	39327
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.5	15.7
129	11.4	8.6	12.8

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 4.515 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Tgt Ion:	180	Resp:	13277
Ion Ratio	Lower	Upper	
180	100		
182	93.8	48.0	144.2
145	32.9	17.1	51.3

