

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064293.D
 Acq On : 23 Oct 2020 18:06
 Operator : JC/MD
 Sample : L4214-08 5.0PPB LOO
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 1:39:10 PM

Quant Time: Oct 26 03:23:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 01:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.16	128	45080	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	269392	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	240444	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	129018	32.79	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	109.30%
60) 4-Bromofluorobenzene	12.38	95	125577	29.34	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.80%
63) Toluene-d8	10.06	98	327389	30.46	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	12544	4.277 ug/l	94
3) Chloromethane	2.04	50	14941	4.824 ug/l	92
4) Vinyl Chloride	2.16	62	14211	4.567 ug/l	97
5) Bromomethane	2.53	94	10764	5.270 ug/l	97
6) Chloroethane	2.68	64	10009	5.485 ug/l	98
7) Trichlorofluoromethane	2.99	101	25731	4.889 ug/l	98
8) Diethyl Ether	3.37	74	9141	5.271 ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.71	101	13959m	5.321 ug/l	
10) 1,1-Dichloroethene	3.70	96	13384	5.321 ug/l	85
11) Methyl Iodide	3.92	142	16881	4.683 ug/l	97
12) Methyl Acetate	4.28	43	14843m	5.046 ug/l	
13) Acrolein	3.57	56	7929m	32.848 ug/l	
14) Acrylonitrile	4.94	53	26409	23.198 ug/l	97
15) Acetone	3.78	58	10403	28.547 ug/l	76
16) Carbon Disulfide	4.01	76	35228	4.834 ug/l	95
17) Allyl chloride	4.28	41	25400	5.267 ug/l	88
18) Methylene Chloride	4.51	84	15805m	5.374 ug/l	
19) trans-1,2-Dichloroethene	4.99	96	14652	5.124 ug/l	93
20) Diisopropyl ether	5.90	45	47103	5.126 ug/l #	91
21) 1,1-Dichloroethane	5.79	63	27954m	5.101 ug/l	
22) cis-1,2-Dichloroethene	6.78	96	16639	5.072 ug/l	97
23) tert-Butyl Alcohol	4.73	59	15099m	28.603 ug/l	
24) Methyl tert-Butyl Ether	4.99	73	46326	5.302 ug/l #	88
25) Chloroform	7.33	83	31005	5.227 ug/l	94
26) Cyclohexane	7.61	56	21266	5.004 ug/l #	98
29) 1,1-Dichloropropene	7.75	75	22499	4.831 ug/l	96
30) 2-Butanone	6.79	43	48352	23.641 ug/l #	77
31) 2,2-Dichloropropane	6.78	77	28051	4.813 ug/l	92
32) 1,1,1-Trichloroethane	7.53	97	29396	4.940 ug/l	97
33) Carbon Tetrachloride	7.73	117	25433	4.771 ug/l	98
34) Benzene	8.00	78	61007	4.794 ug/l #	70
35) Methacrylonitrile	7.14	41	11143m	5.404 ug/l	
36) 1,2-Dichloroethane	8.09	62	27273	5.026 ug/l	97
37) Trichloroethene	8.80	130	18352	5.240 ug/l	96
38) Methylcyclohexane	9.05	83	20787	4.889 ug/l	94
39) 1,2-Dichloropropane	9.08	63	16500	4.850 ug/l	96
40) Dibromomethane	9.17	93	11214	4.711 ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	24233	4.694	ug/l	88
42) Vinyl Acetate	5.85	43	208787	23.145	ug/l	99
43) Ethyl Acetate	6.88	43	18884	4.361	ug/l	97
44) Isopropyl Acetate	8.13	43	38335m	4.936	ug/l	
45) 1,4-Dioxane	9.17	88	4745	100.046	ug/l #	64
46) Methyl methacrylate	9.17	41	19104	5.088	ug/l	93
47) n-amyl Acetate	12.05	43	31030	4.631	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	28203	4.894	ug/l	94
49) cis-1,3-Dichloropropene	9.81	75	27630	4.616	ug/l	92
50) 1,1,2-Trichloroethane	10.53	97	14810	4.723	ug/l #	90
51) Ethyl methacrylate	10.40	69	22095	4.581	ug/l	88
52) 1,3-Dichloropropane	10.68	76	27660	4.989	ug/l	98
53) Dibromochloromethane	10.87	129	17001	4.340	ug/l	96
54) 1,2-Dibromoethane	10.97	107	15017	4.482	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	56367	24.055	ug/l	99
56) Bromoform	12.10	173	12462	4.499	ug/l #	97
58) 4-Methyl-2-Pentanone	9.95	43	104105	25.122	ug/l	98
59) 2-Hexanone	10.72	43	74421	23.686	ug/l	99
61) Tetrachloroethene	10.60	164	17980	5.352	ug/l	92
62) Toluene	10.13	91	67672	4.889	ug/l	98
64) Chlorobenzene	11.41	112	40515	4.719	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.48	131	15841	4.619	ug/l	97
66) Ethyl Benzene	11.49	91	75904	4.783	ug/l	98
67) m/p-Xylenes	11.59	106	55586	9.446	ug/l	98
68) o-Xylene	11.92	106	26594	4.654	ug/l	98
69) Styrene	11.94	104	41590	4.371	ug/l	99
70) Isopropylbenzene	12.22	105	70105	4.640	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.48	83	19392	4.785	ug/l	97
72) 1,2,3-Trichloropropane	12.52	75	21154m	5.027	ug/l	
73) Bromobenzene	12.50	156	18762	5.105	ug/l	94
74) n-propylbenzene	12.57	91	77116	4.449	ug/l	99
75) 2-Chlorotoluene	12.65	91	51190	4.782	ug/l	97
76) 1,3,5-Trimethylbenzene	12.71	105	58568	4.574	ug/l	100
77) t-1,4-Dichloro-2-butene	12.28	75	6878	4.227	ug/l	75
78) 4-Chlorotoluene	12.75	91	50333	4.510	ug/l	99
79) tert-butylbenzene	12.97	119	49610	4.741	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	57440	4.420	ug/l	100
81) sec-Butylbenzene	13.14	105	61042	4.493	ug/l	98
82) p-Isopropyltoluene	13.26	119	56201	4.508	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	29168	4.500	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	29017	4.396	ug/l	95
85) n-Butylbenzene	13.59	91	48360	4.409	ug/l	95
86) Hexachloroethane	13.85	117	9311	4.423	ug/l	94
87) 1,2-Dichlorobenzene	13.63	146	27399	4.332	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.24	75	5294	5.361	ug/l #	85
89) 1,2,4-Trichlorobenzene	14.88	180	13489	3.739	ug/l	95
90) Hexachlorobutadiene	14.98	225	8452	4.278	ug/l	94
91) Naphthalene	15.11	128	40510	3.840	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	13042	3.769	ug/l	95

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QLast Update : Mon Oct 26 01:30:11 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

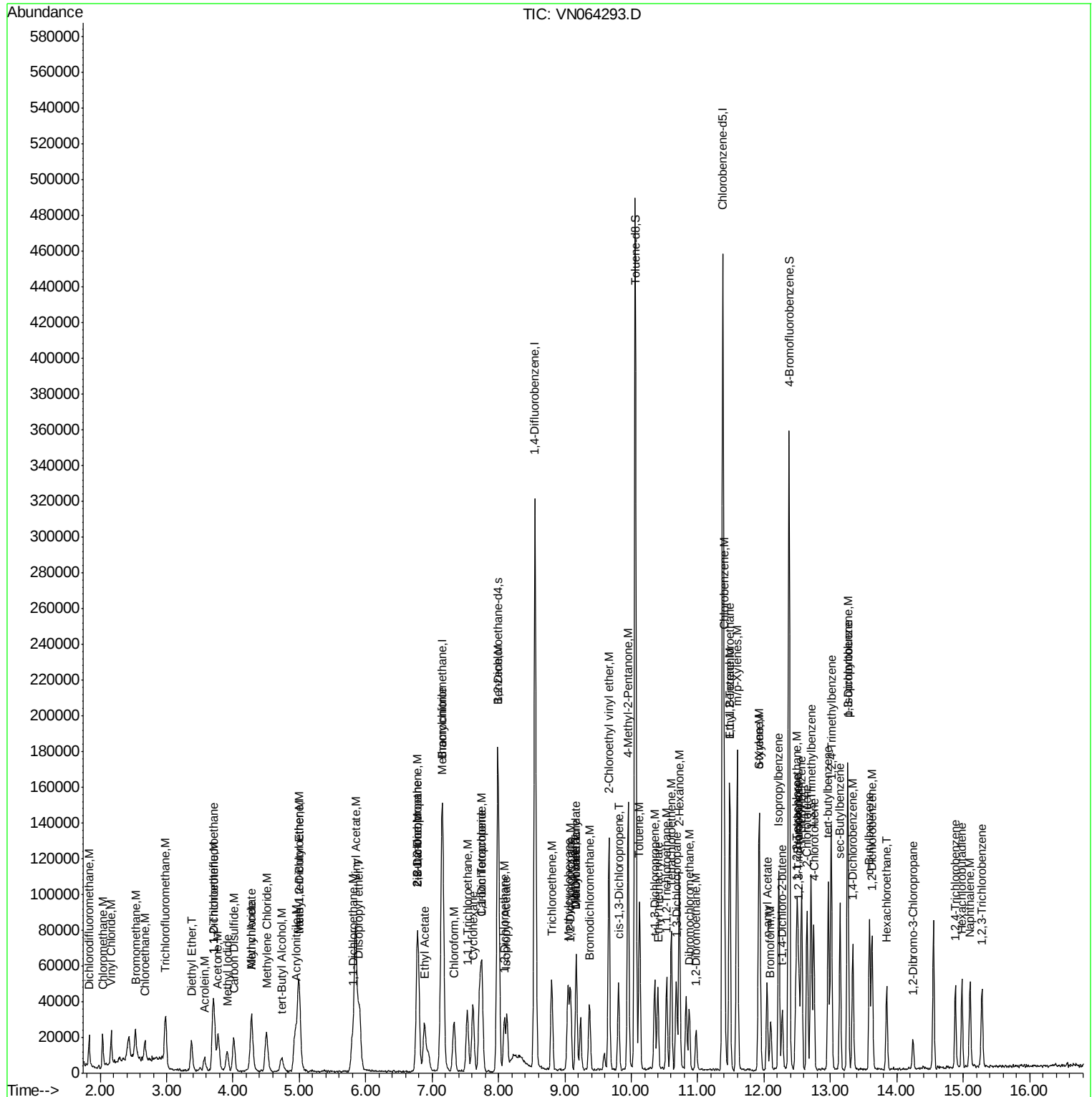
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
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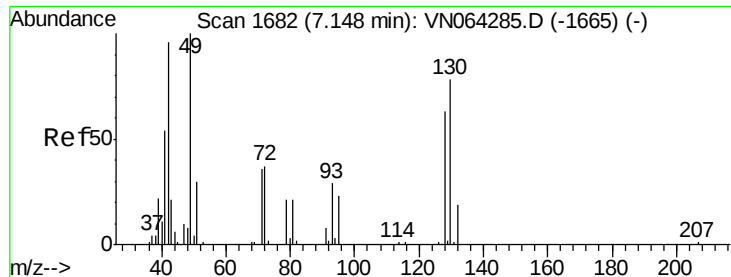
Instrument :
MSVOA_N
ClientSampleId :
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.16 min Scan# 1685

Delta R.T. 0.01 min

Lab File: VN064293.D

Acq: 23 Oct 2020 18:06

Instrument :

MSVOA_N

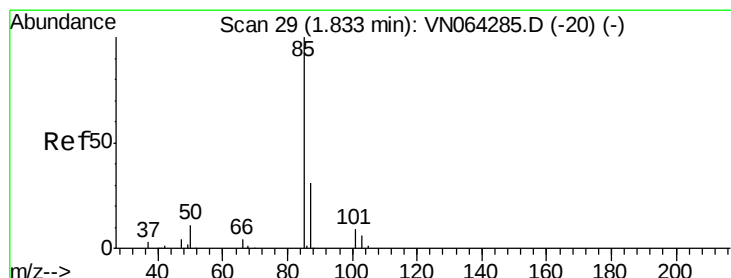
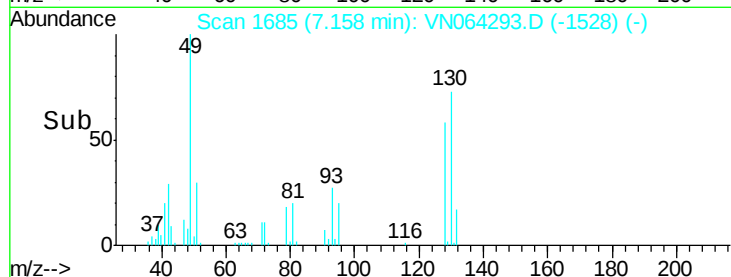
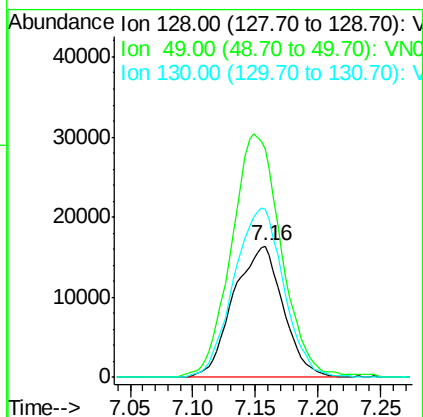
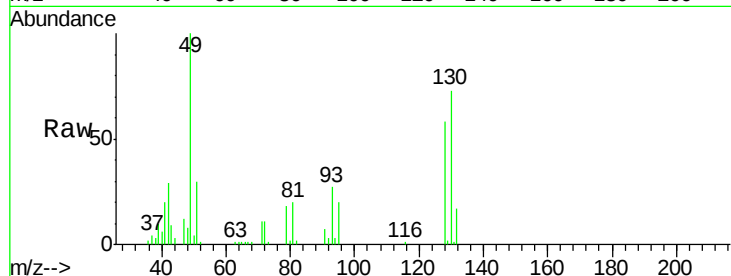
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:	128	Resp:	45080
Ion	Ratio	Lower	Upper
128	100		
49	185.0	0.0	445.0
130	129.2	0.0	320.2

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 4.277 ug/l

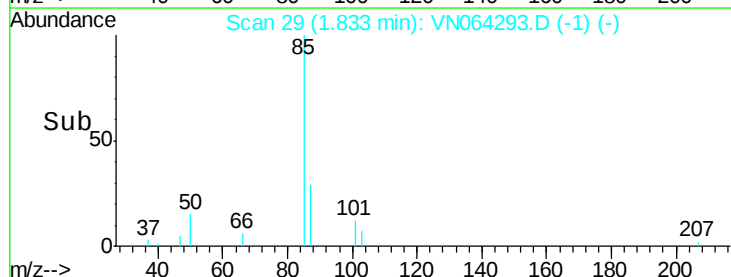
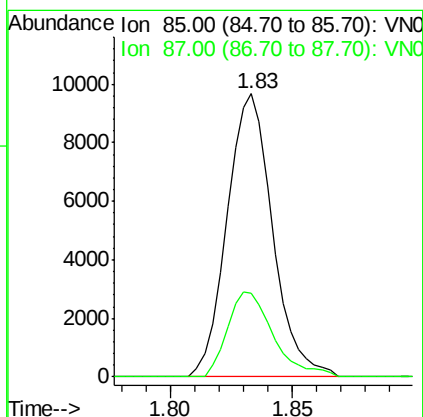
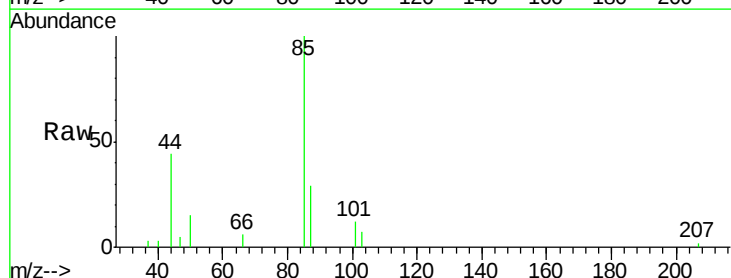
RT: 1.83 min Scan# 29

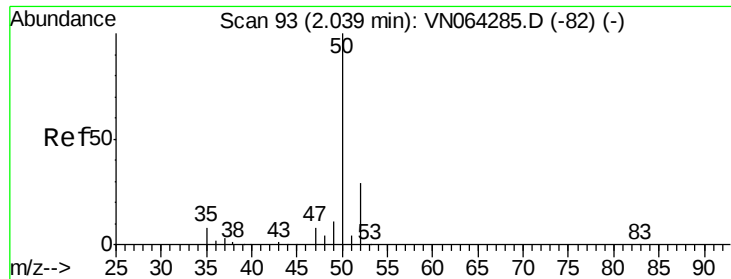
Delta R.T. -0.00 min

Lab File: VN064293.D

Acq: 23 Oct 2020 18:06

Tgt Ion:	85	Resp:	12544
Ion	Ratio	Lower	Upper
85	100		
87	29.4	16.4	49.2





#3

Chloromethane

Concen: 4.824 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064293.D

Acq: 23 Oct 2020 18:06

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 50 Resp: 14941

Ion Ratio Lower Upper

50 100

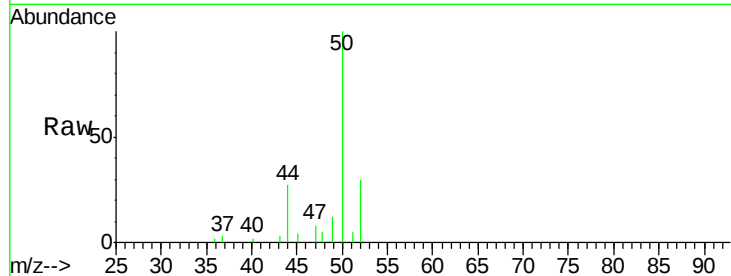
52 29.5 27.1 40.7

Manual Integrations

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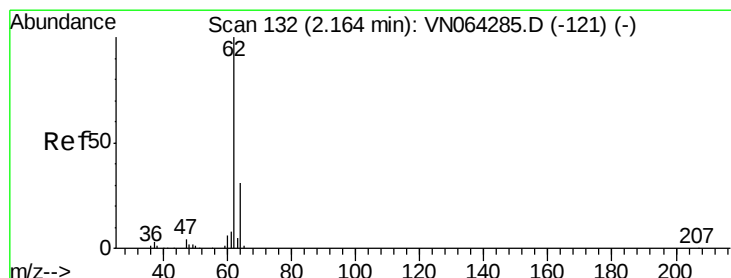
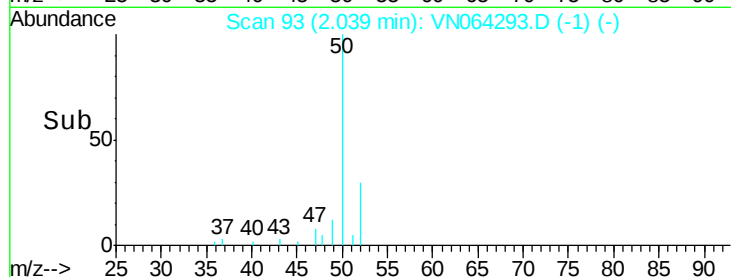
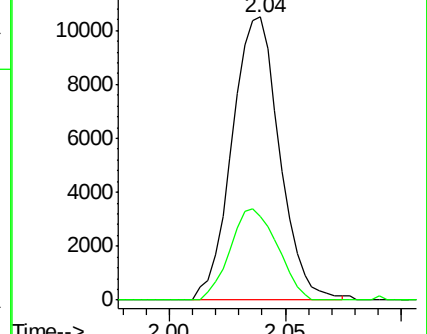
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 4.567 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064293.D

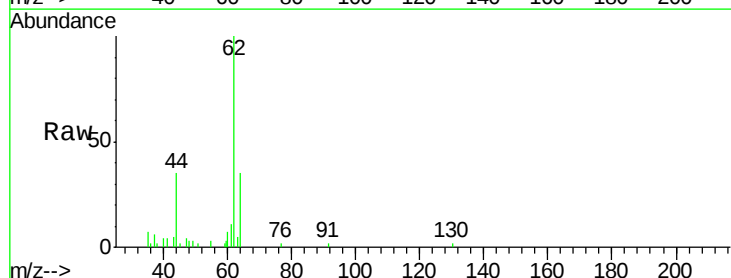
Acq: 23 Oct 2020 18:06

Tgt Ion: 62 Resp: 14211

Ion Ratio Lower Upper

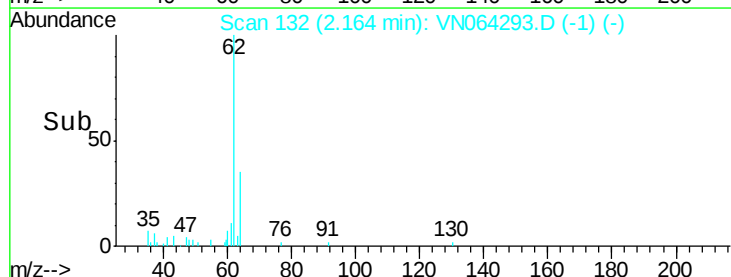
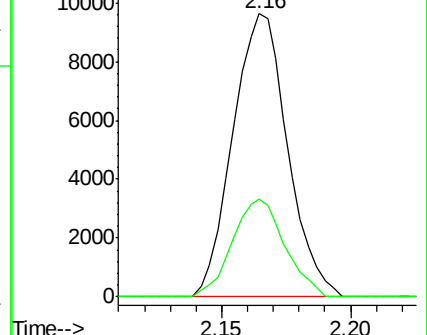
62 100

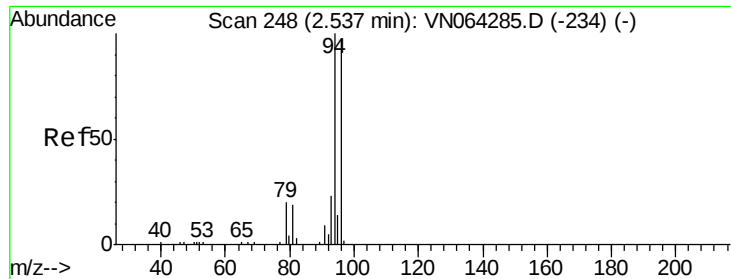
64 34.7 26.6 39.8



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 5.270 ug/l

RT: 2.53 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN064293.D

Acq: 23 Oct 2020 18:06

Instrument :

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LOQ-WATER-02-QT4-2020

Tot Ion: 94 Resp: 10764

Ion Ratio Lower Upper

94 100

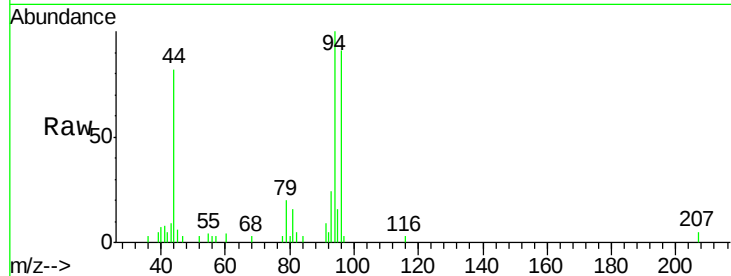
96 88.0 72.4 108.6

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.53

6000

5000

4000

3000

2000

1000

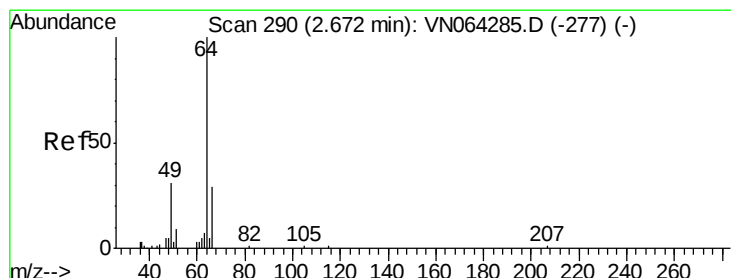
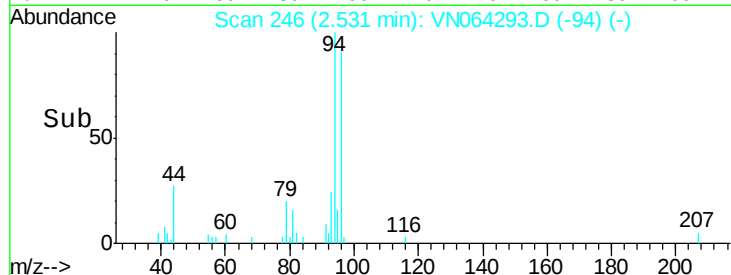
0

2.50

2.55

2.60

Time-->



#6

Chloroethane

Concen: 5.485 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064293.D

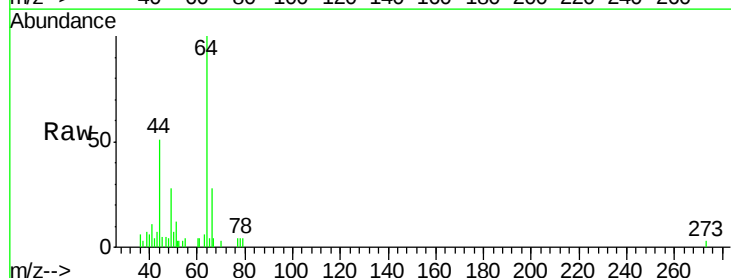
Acq: 23 Oct 2020 18:06

Tgt Ion: 64 Resp: 10009

Ion Ratio Lower Upper

64 100

66 28.1 23.4 35.2



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.68

6000

5000

4000

3000

2000

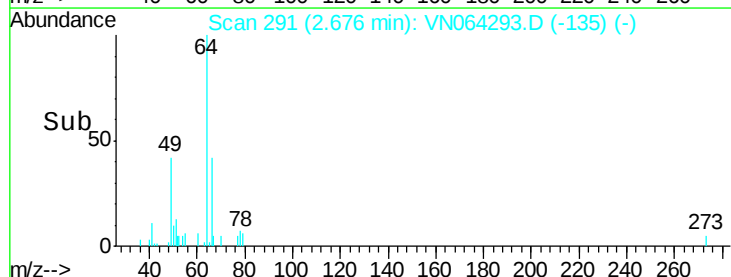
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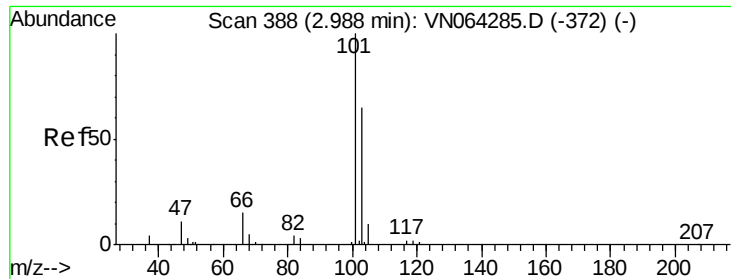
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2.65

2.70

Time-->





#7

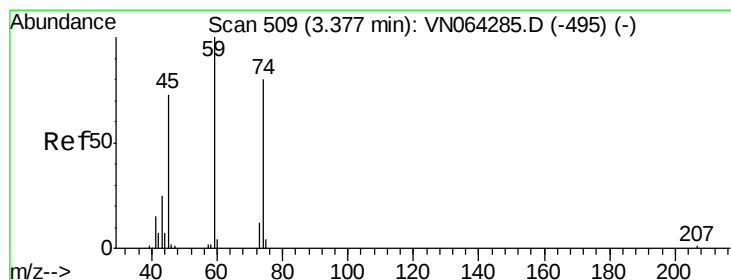
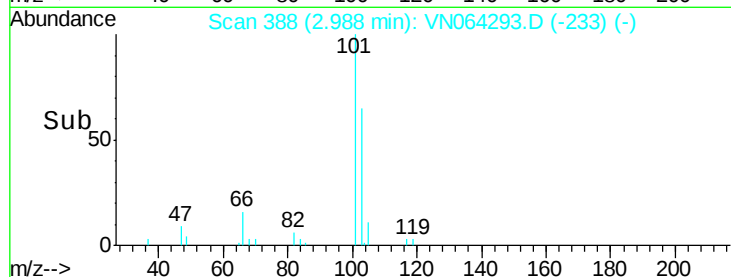
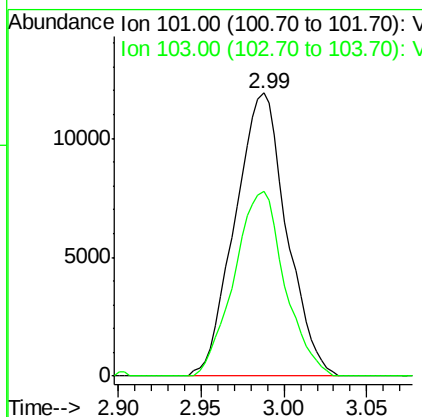
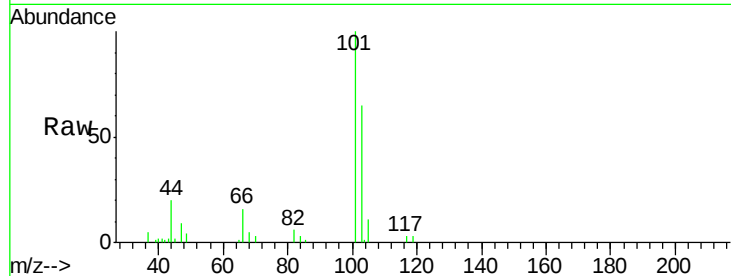
Trichlorofluoromethane
Concen: 4.889 ug/l
RT: 2.99 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.4	77.0

Manual Integrations
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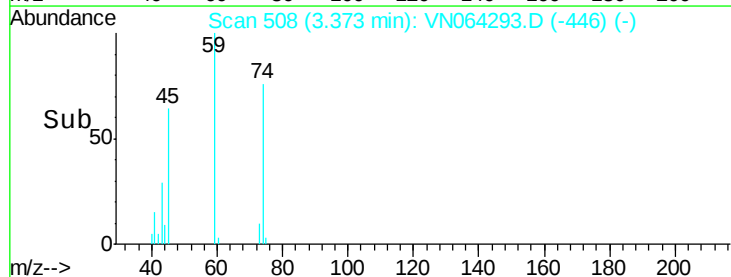
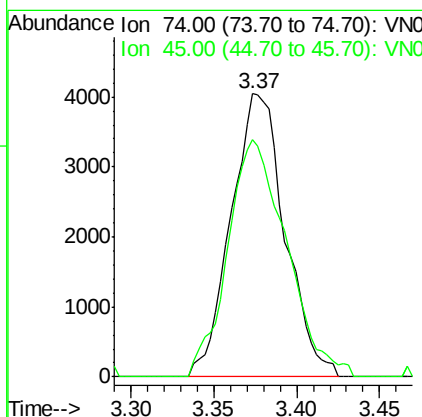
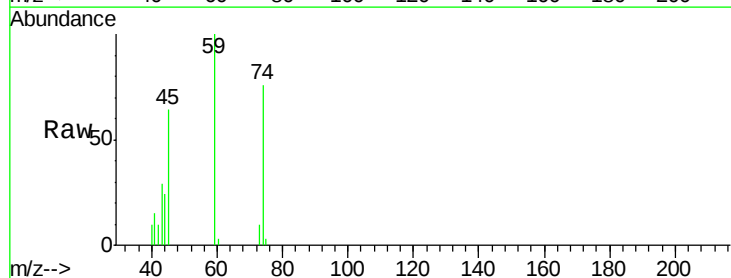
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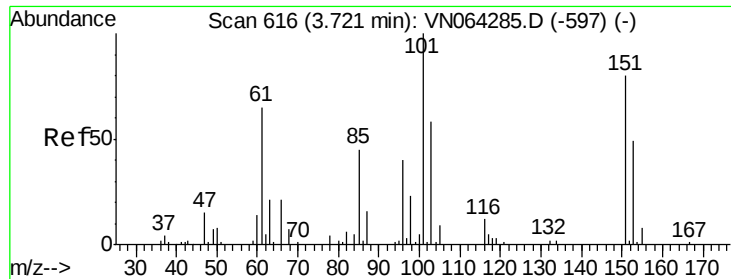


#8

Diethyl Ether
Concen: 5.271 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN064293.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.7	21.3	191.3





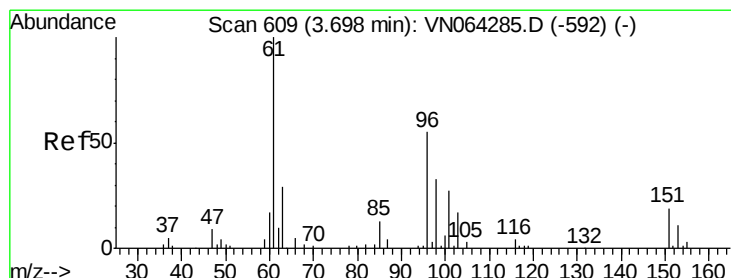
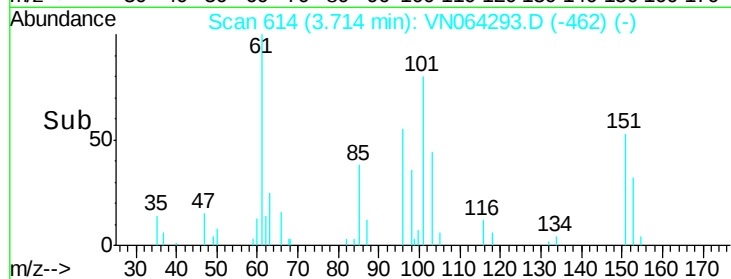
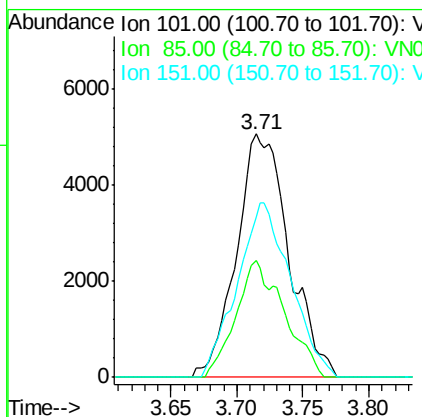
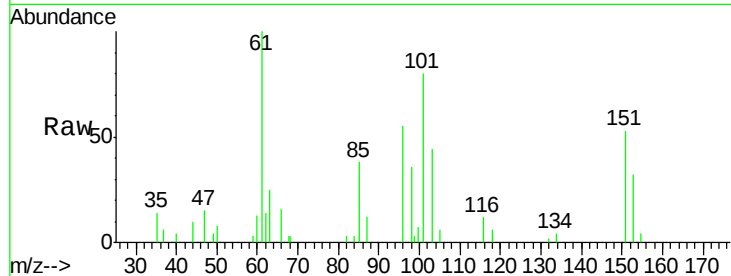
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 5.321 ug/l m
 RT: 3.71 min Scan# 614
 Delta R.T. -0.01 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

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

Tot Ion	Ratio	Resp	Lower	Upper
101	100	13959		
85	28.2	0.0	47.4	
151	73.1	0.0	148.4	

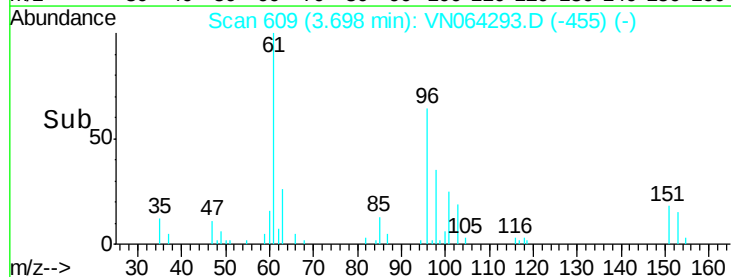
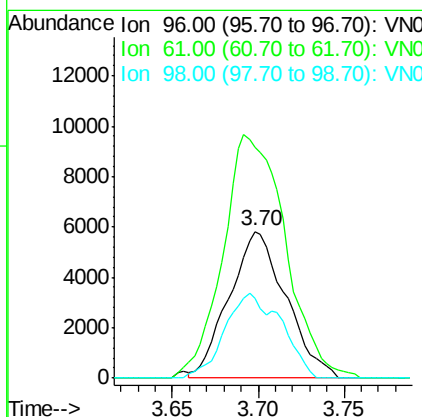
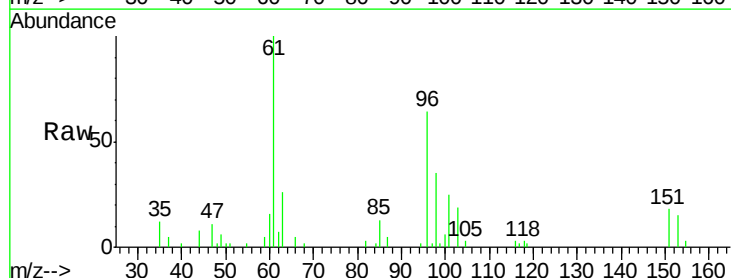
Manual Integrations
 APPROVED

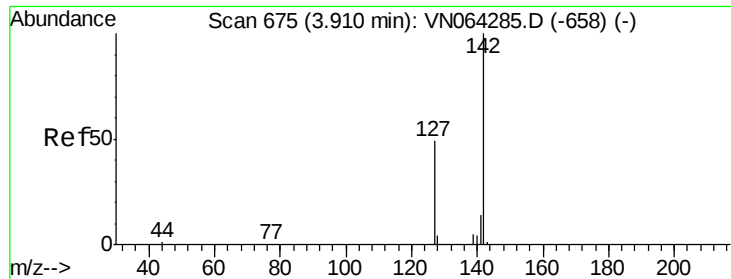
MMDadoda
 10/26/2020 1:39:10 PM



#10
 1,1-Dichloroethene
 Concen: 5.321 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	13384		
61	152.2	144.2	216.4	
98	58.1	47.4	71.0	





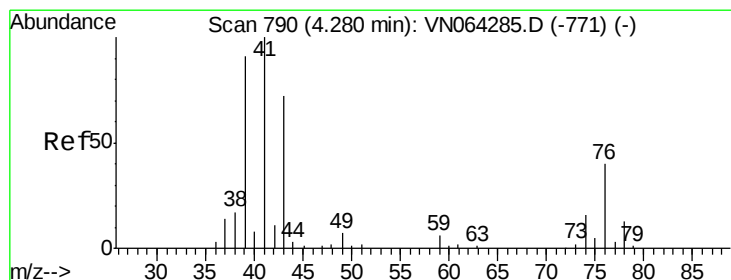
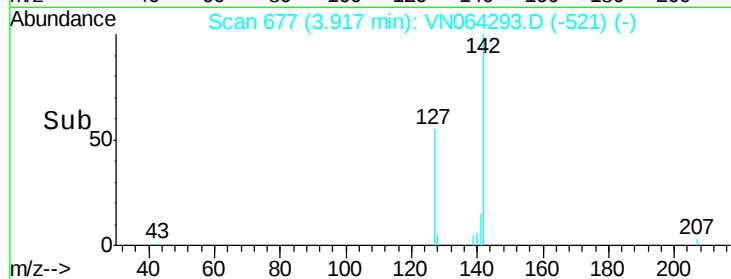
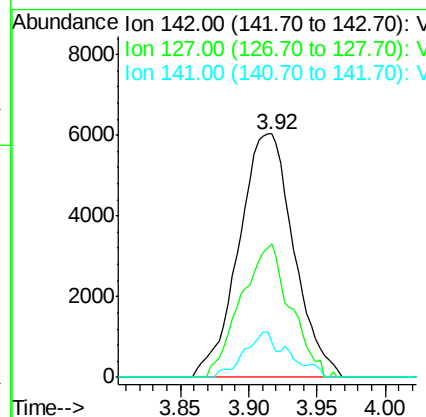
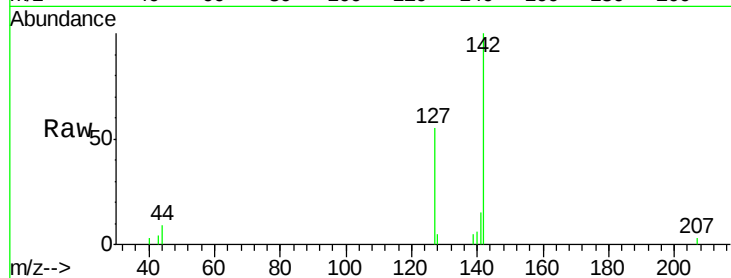
#11
Methvl Iodide
Concen: 4.683 ug/l
RT: 3.92 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

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

Tot Ion	Ratio	Lower	Upper
142	100		
127	54.6	25.9	77.8
141	14.6	7.5	22.6

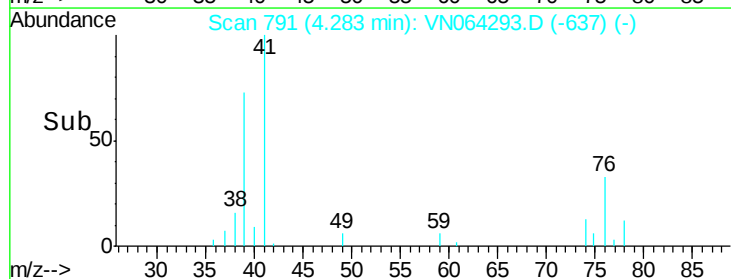
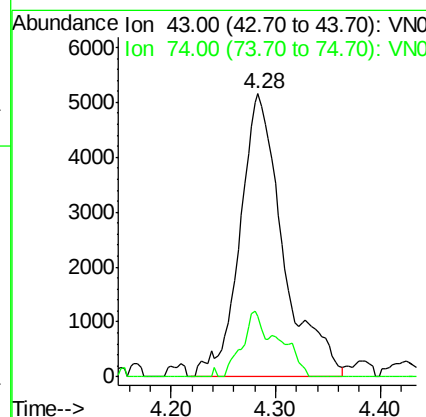
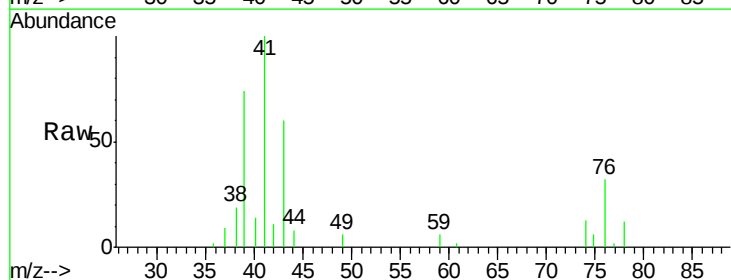
Manual Integrations
APPROVED

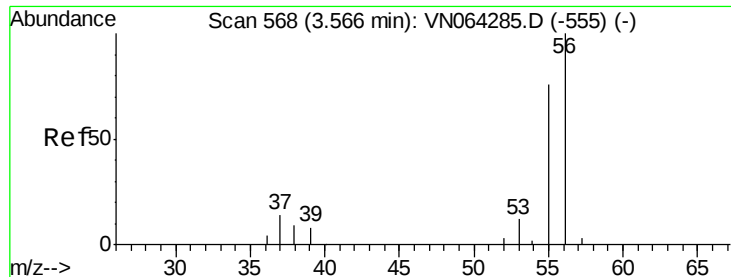
MMDadoda
10/26/2020 1:39:10 PM



#12
Methyl Acetate
Concen: 5.046 ug/l m
RT: 4.28 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	19.0	28.6





#13

Acrolein

Concen: 32.848 ug/l m

RT: 3.57 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN064293.D

Acq: 23 Oct 2020 18:06

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 56 Resp: 7929

Ion Ratio Lower Upper

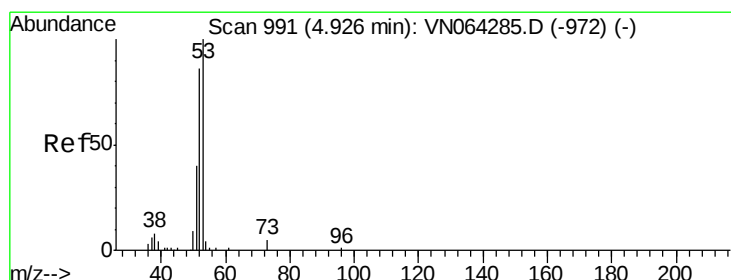
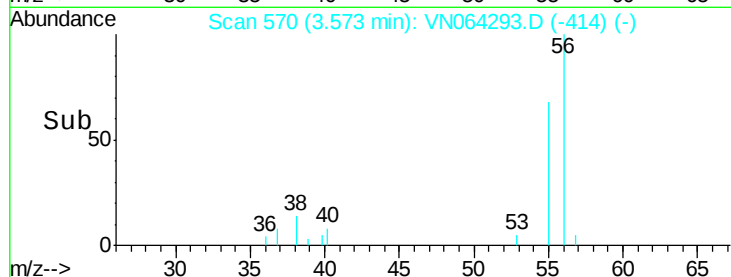
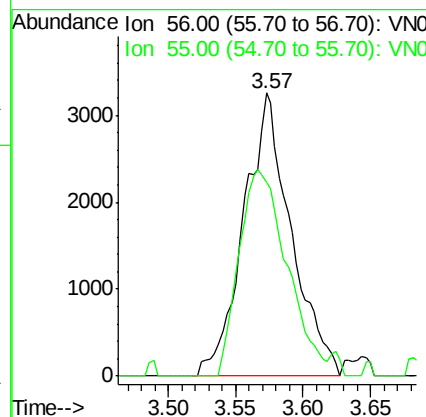
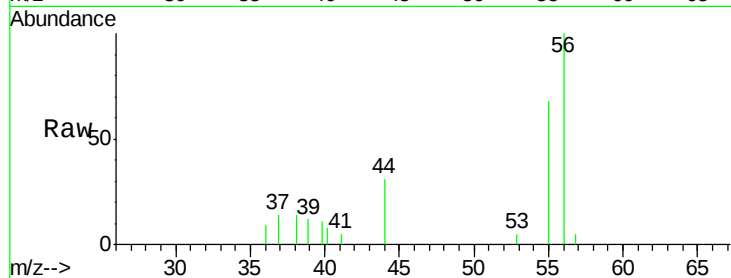
56 100

55 0.8 61.0 91.6#

Manual Integrations
APPROVED

MMDadoda

10/26/2020 1:39:10 PM



#14

Acrylonitrile

Concen: 23.198 ug/l

RT: 4.94 min Scan# 995

Delta R.T. 0.01 min

Lab File: VN064293.D

Acq: 23 Oct 2020 18:06

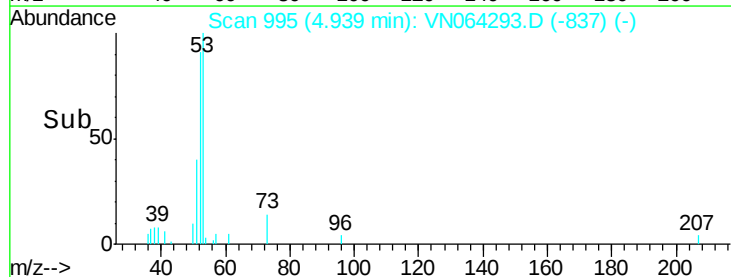
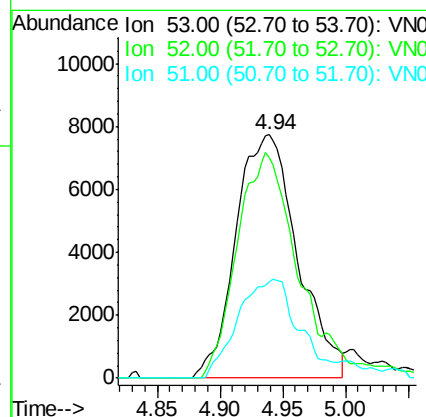
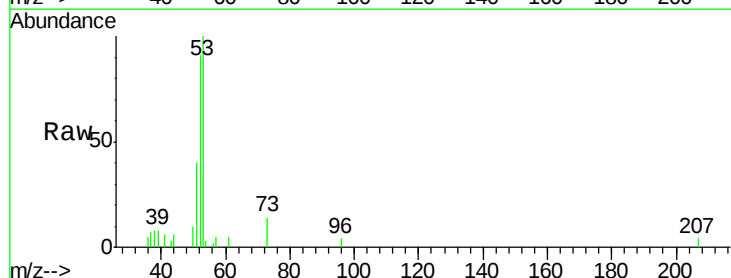
Tgt Ion: 53 Resp: 26409

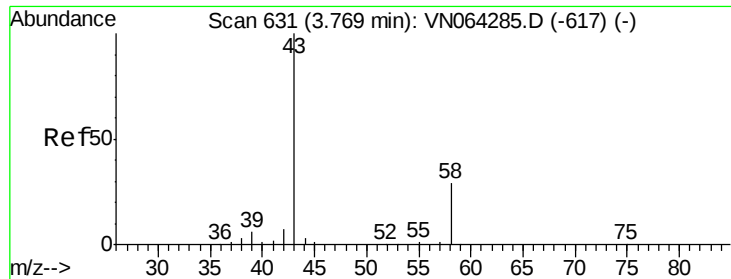
Ion Ratio Lower Upper

53 100

52 85.1 41.7 125.1

51 34.1 18.9 56.7





#15

Acetone

Concen: 28.547 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064293.D

Acq: 23 Oct 2020 18:06

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 58 Resp: 10403

Ion Ratio Lower Upper

58 100

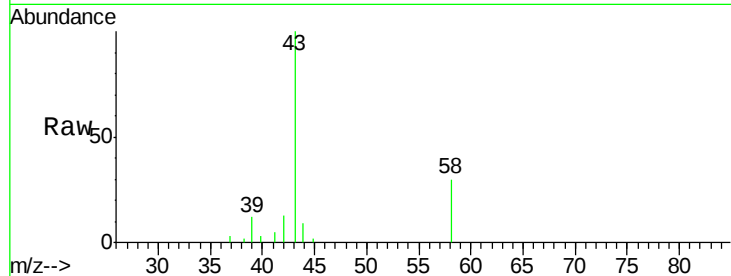
43 317.8 297.4 446.0

Manual Integrations

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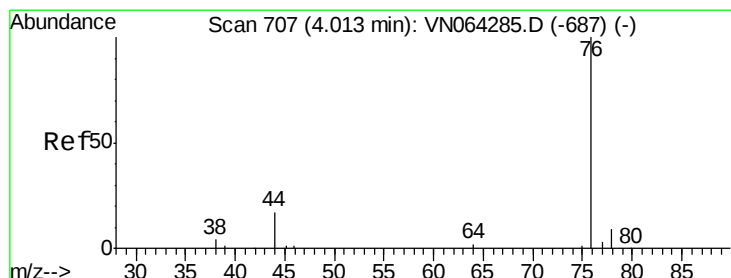
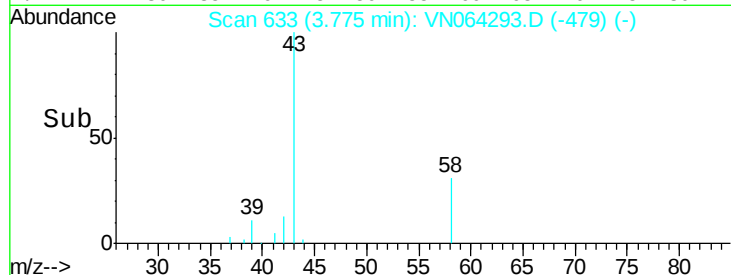
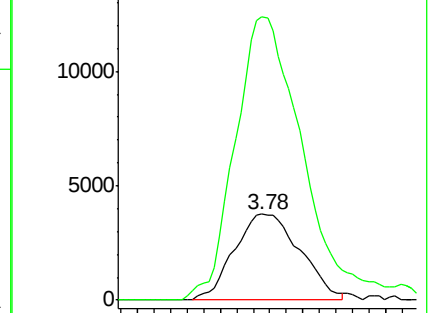
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 4.834 ug/l

RT: 4.01 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN064293.D

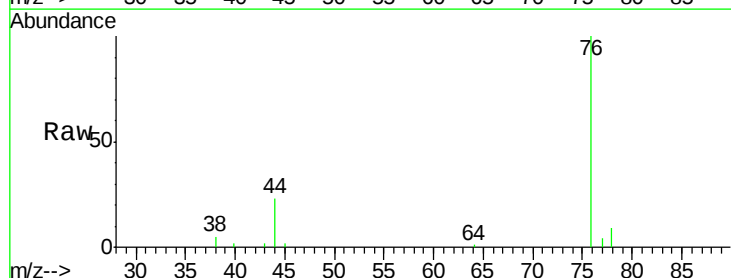
Acq: 23 Oct 2020 18:06

Tgt Ion: 76 Resp: 35228

Ion Ratio Lower Upper

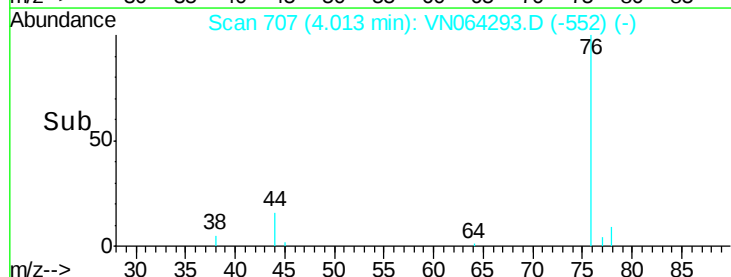
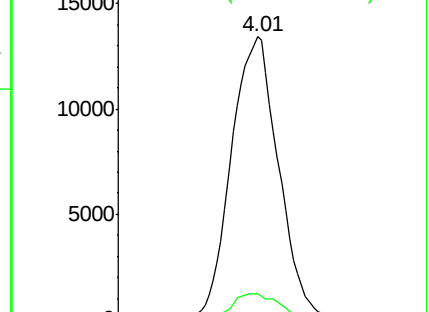
76 100

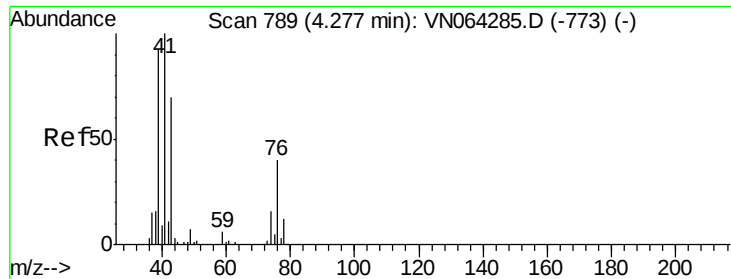
78 9.1 9.0 13.4



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





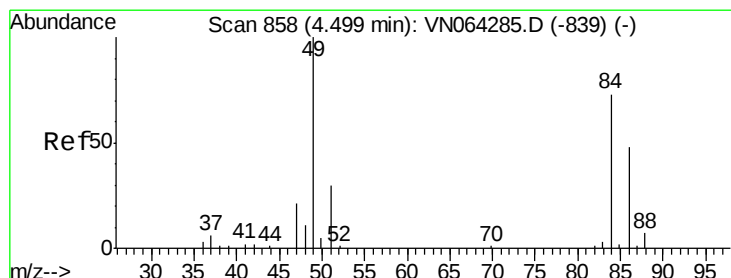
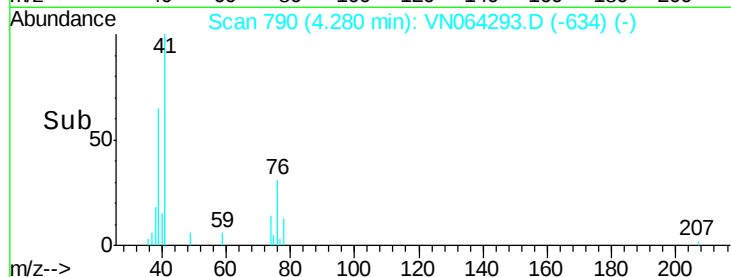
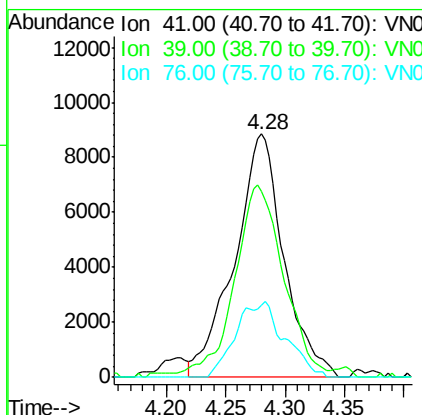
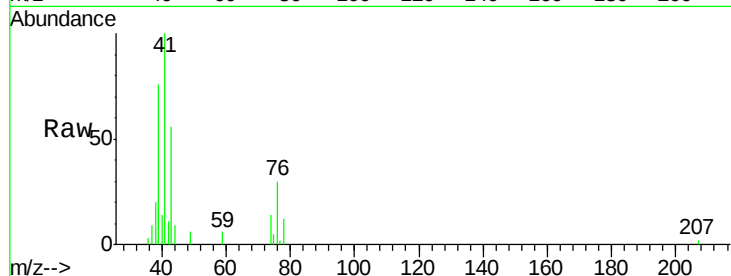
#17
Allvl chloride
Concen: 5.267 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

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

Tot Ion	Ratio	Lower	Upper
41	100		
39	73.0	39.9	119.6
76	29.6	21.4	64.2

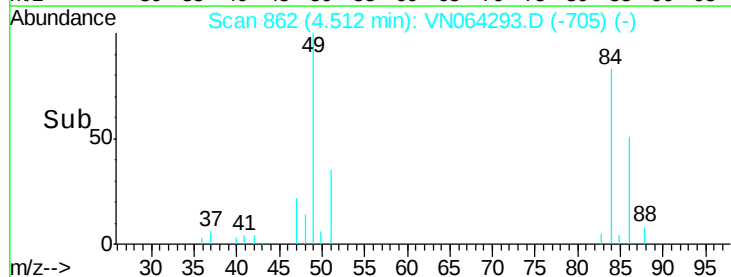
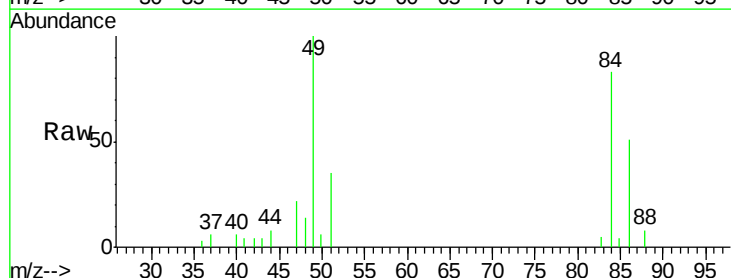
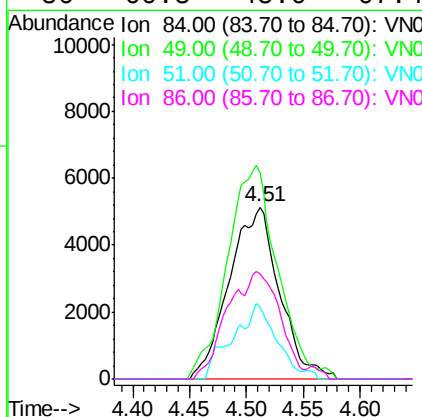
Manual Integrations
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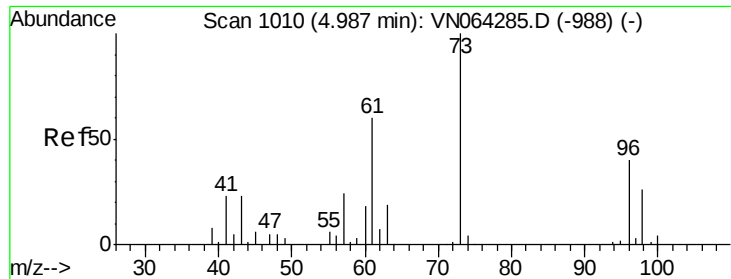
MMDadoda
10/26/2020 1:39:10 PM



#18
Methylene Chloride
Concen: 5.374 ug/l m
RT: 4.51 min Scan# 862
Delta R.T. 0.01 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.2	101.1	151.7
51	42.0	33.4	50.0
86	60.8	45.0	67.4





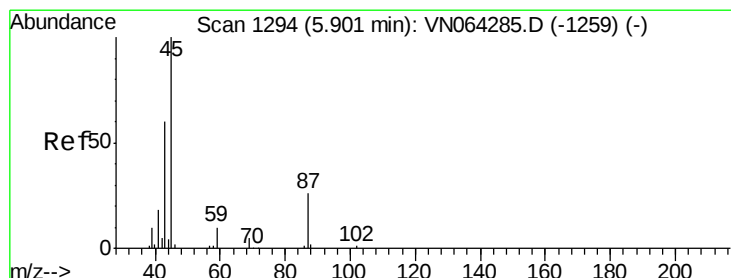
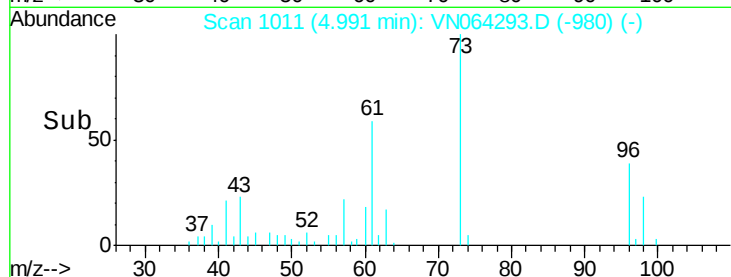
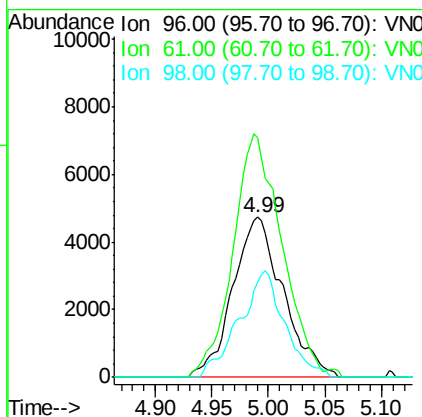
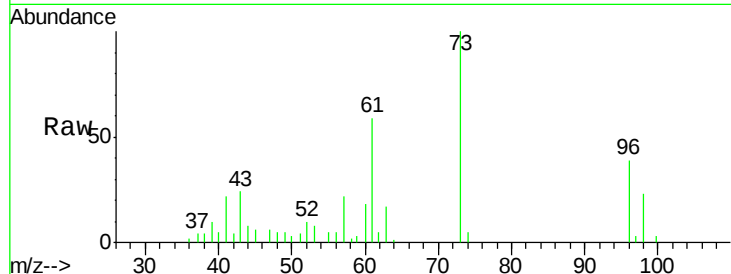
#19
trans-1,2-Dichloroethene
Concen: 5.124 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.1	114.2	171.2
98	59.6	52.8	79.2

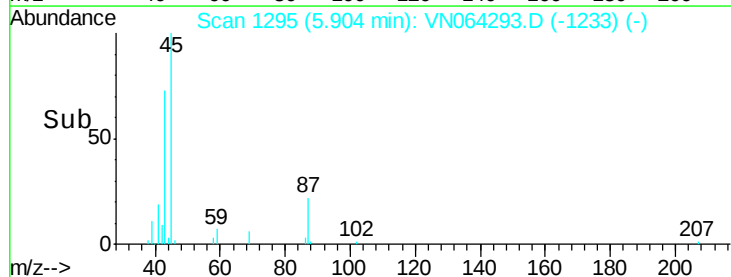
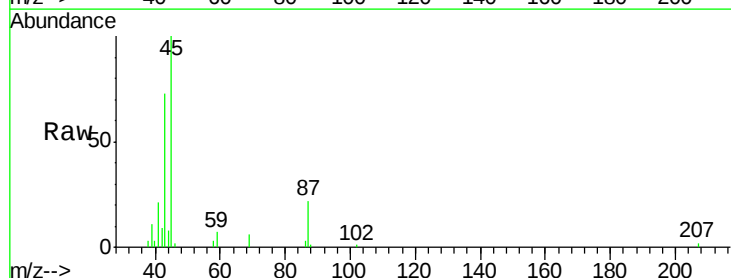
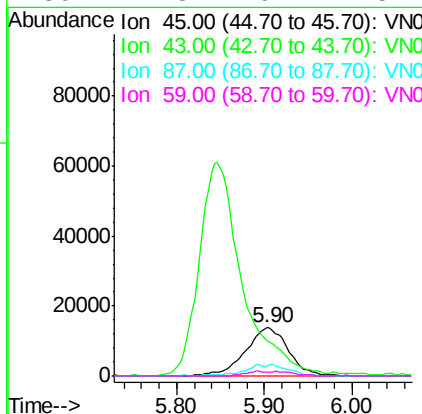
Manual Integrations
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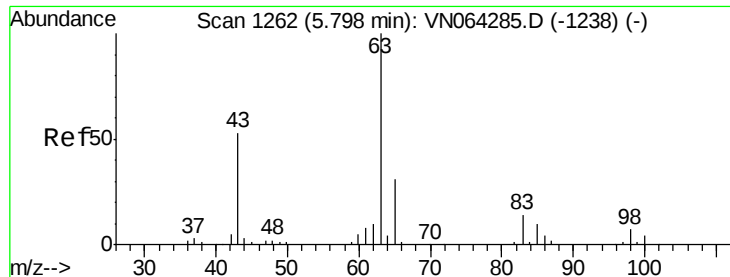
MMDadoda
10/26/2020 1:39:10 PM



#20
Diisopropyl ether
Concen: 5.126 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.6	58.9	88.3
87	21.7	21.0	31.4
59	7.3	9.1	13.7





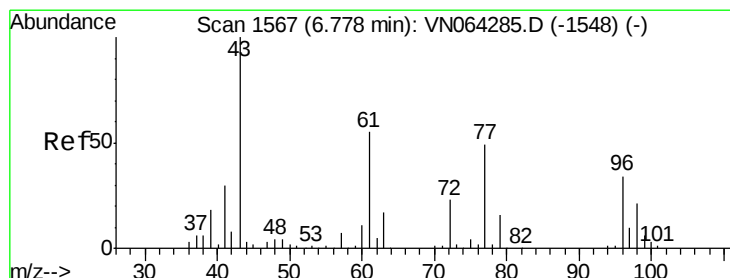
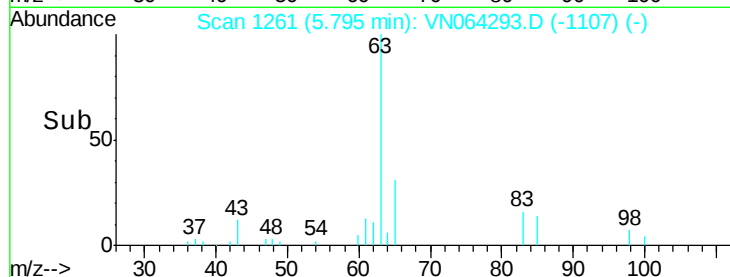
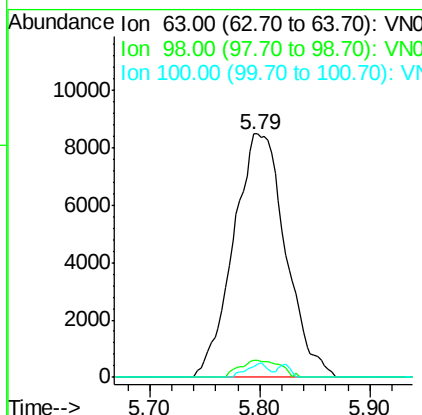
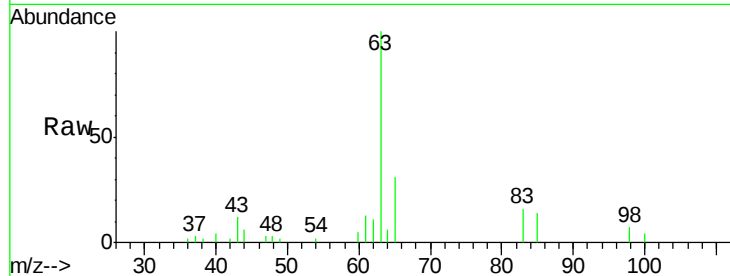
#21
 1,1-Dichloroethane
 Concen: 5.101 ug/l m
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

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

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.6
100	4.4	1.6	4.7

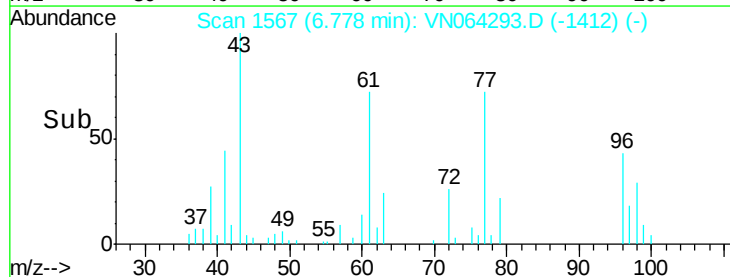
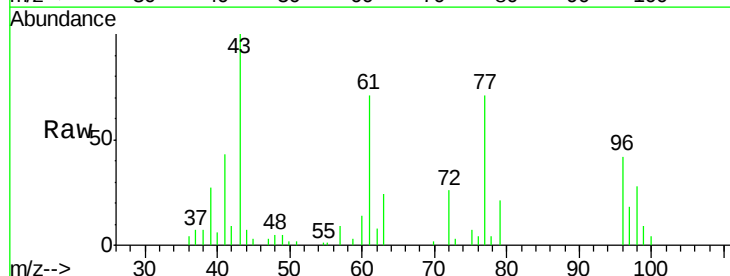
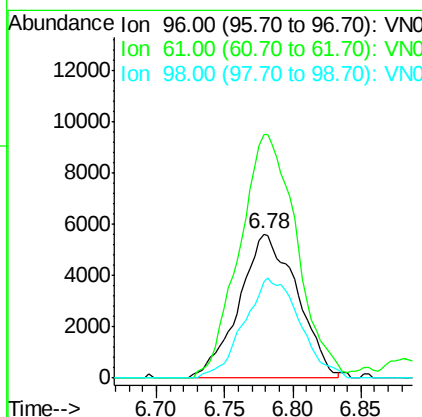
Manual Integrations
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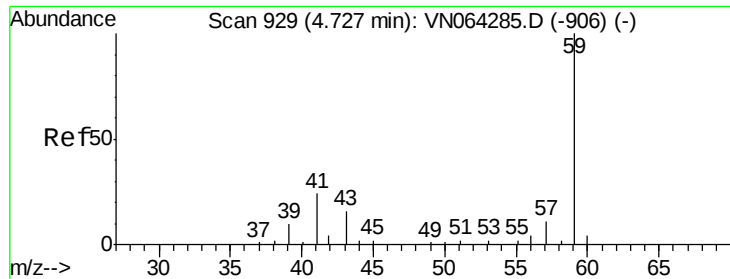
MMDadoda
 10/26/2020 1:39:10 PM



#22
 cis-1,2-Dichloroethene
 Concen: 5.072 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.3	132.2	198.2
98	39.4	26.5	39.7





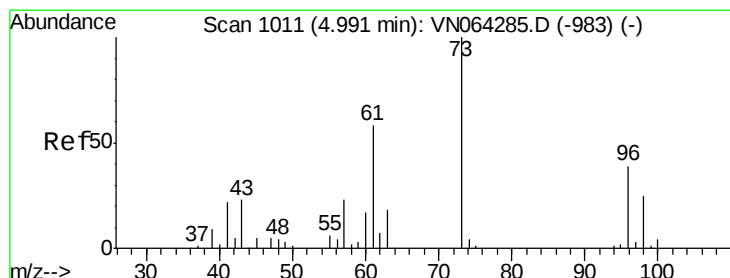
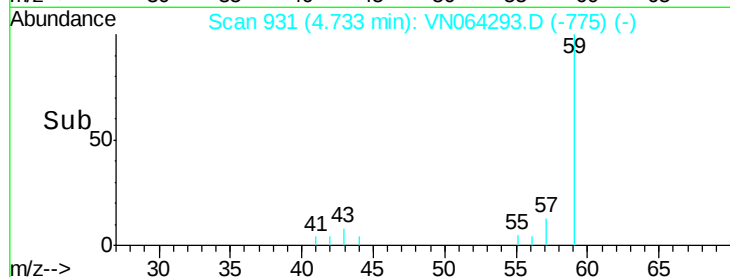
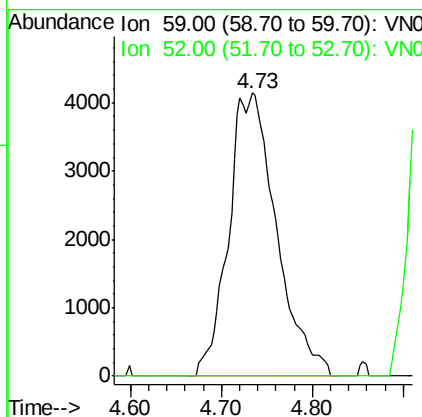
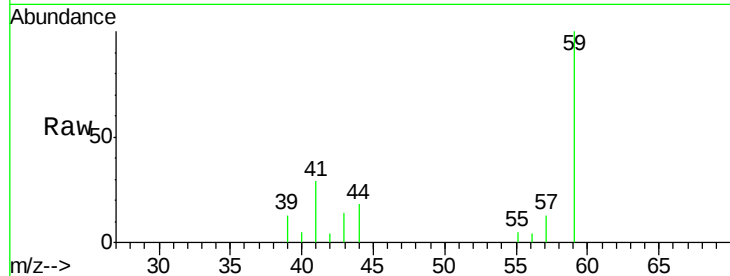
#23
 tert-Butyl Alcohol
 Concen: 28.603 ug/l m
 RT: 4.73 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

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

Tot Ion: 59 Resp: 15099
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.2 0.2#

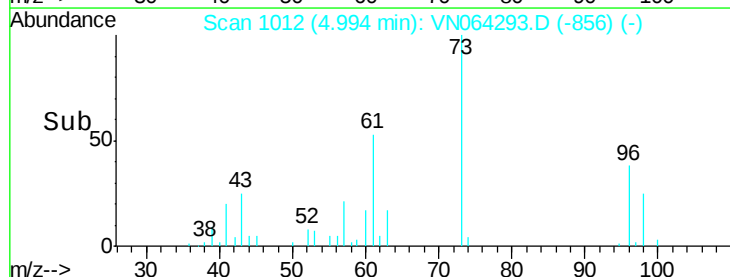
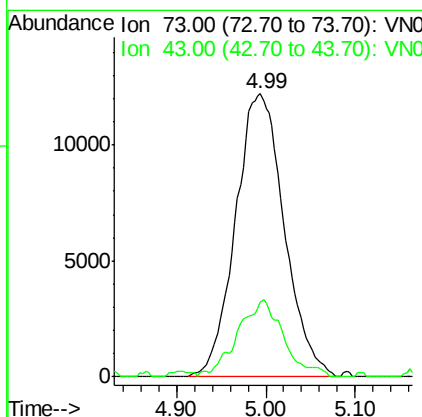
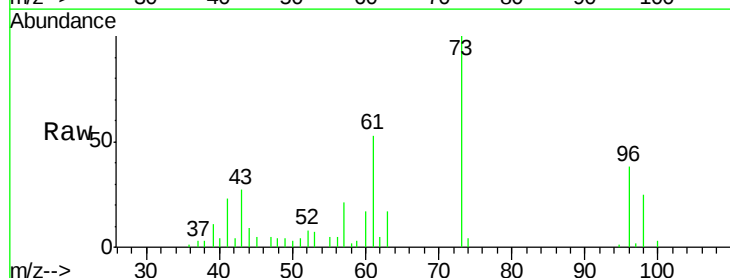
Manual Integrations
 APPROVED

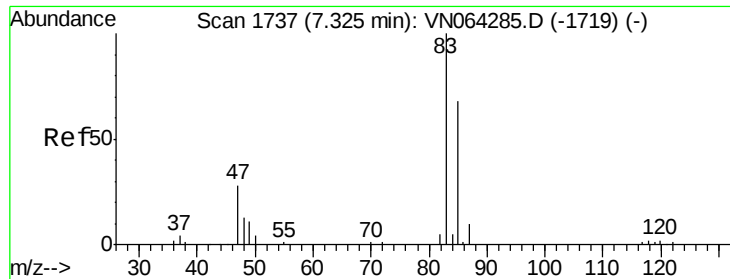
MMDadoda
 10/26/2020 1:39:10 PM



#24
 Methyl tert-Butyl Ether
 Concen: 5.302 ug/l
 RT: 4.99 min Scan# 1012
 Delta R.T. 0.00 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

Tgt Ion: 73 Resp: 46326
 Ion Ratio Lower Upper
 73 100
 43 18.5 19.7 29.5#





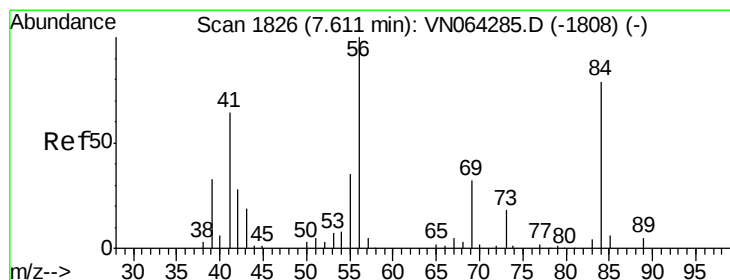
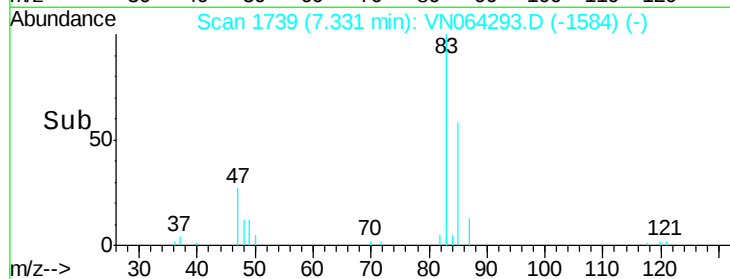
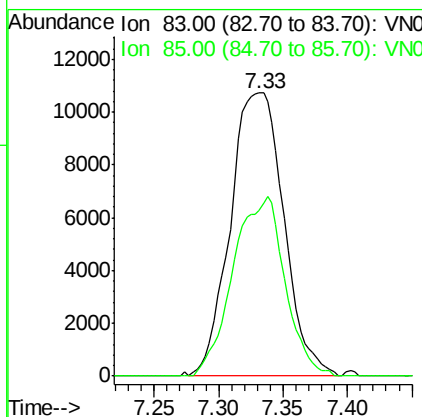
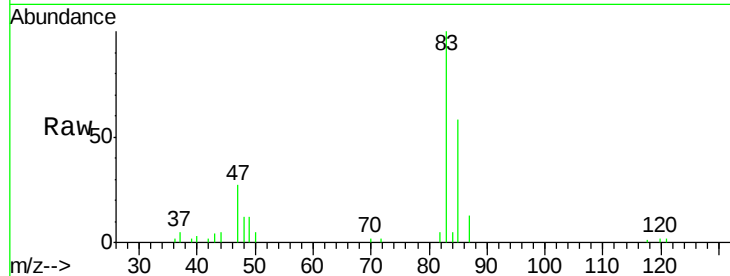
#25
Chloroform
Concen: 5.227 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

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

Tot Ion	83	Resp	31005
Ion Ratio	100	Lower	Upper
83	100		
85	58.4	50.3	75.5

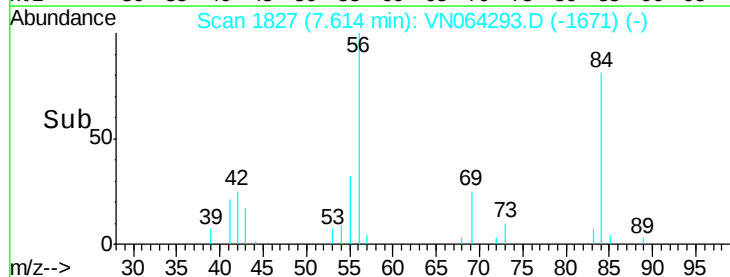
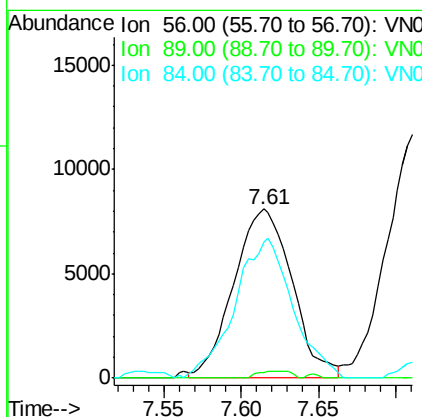
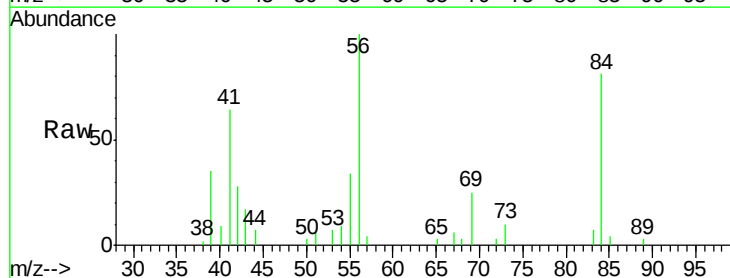
Manual Integrations
APPROVED

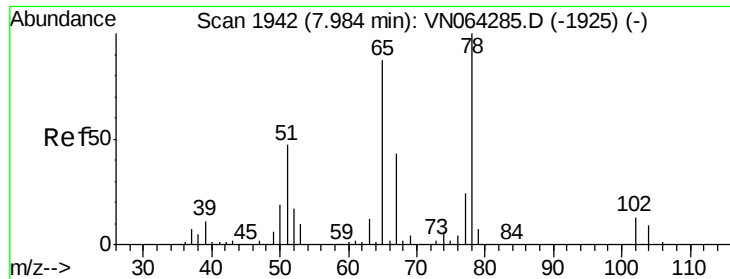
MMDadoda
10/26/2020 1:39:10 PM



#26
Cyclohexane
Concen: 5.004 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

Tgt Ion	56	Resp	21266
Ion Ratio	100	Lower	Upper
56	100		
89	2.2	3.4	5.2#
84	81.4	66.2	99.2





#27

1,2-Dichloroethane-d4

Concen: 32.789 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN064293.D

Acq: 23 Oct 2020 18:06

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 65 Resp: 129018

Ion Ratio Lower Upper

65 100

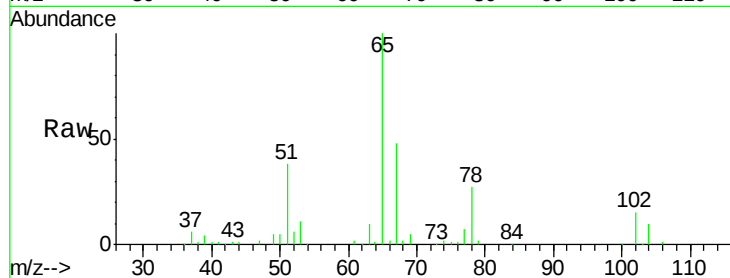
67 50.0 38.4 57.6

Manual Integrations

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10/26/2020 1:39:10 PM



Abundance Ion 65.00 (64.70 to 65.70): VN064285.D (-1925) (-)

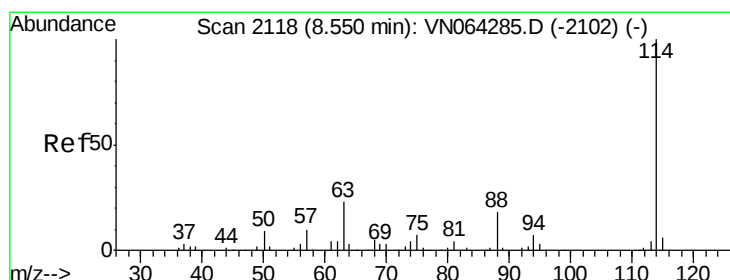
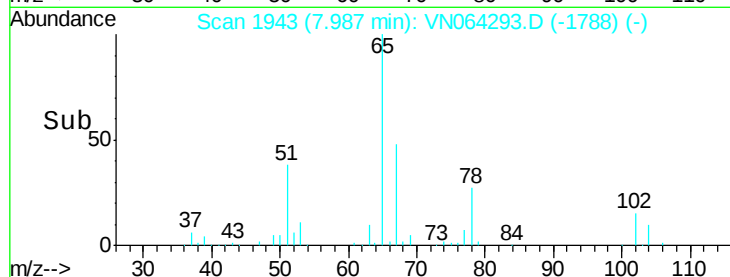
Ion 67.00 (66.70 to 67.70): VN064285.D (-1925) (-)

65.00 100

67.00 50.0 38.4 57.6

7.99

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064293.D

Acq: 23 Oct 2020 18:06

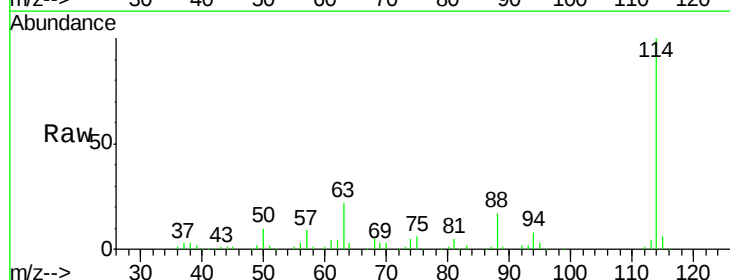
Tgt Ion: 114 Resp: 269392

Ion Ratio Lower Upper

114 100

63 22.3 17.8 26.8

88 17.0 13.8 20.8



Abundance Ion 114.00 (113.70 to 114.70): VN064285.D (-2102) (-)

Ion 63.00 (62.70 to 63.70): VN064285.D (-2102) (-)

Ion 88.00 (87.70 to 88.70): VN064285.D (-2102) (-)

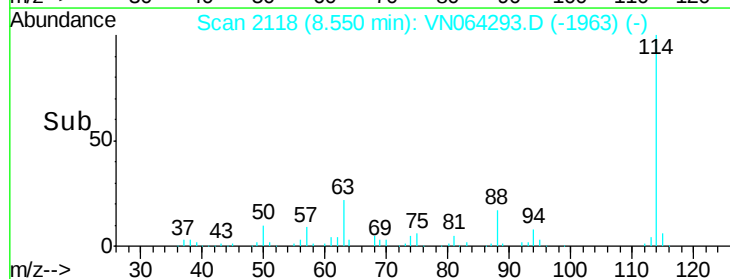
114.00 100

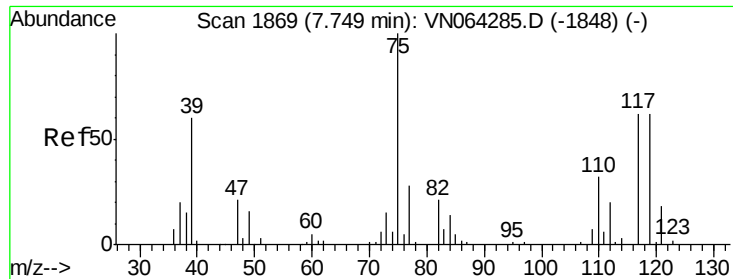
63.00 22.3 17.8 26.8

88.00 17.0 13.8 20.8

8.55

Time-->





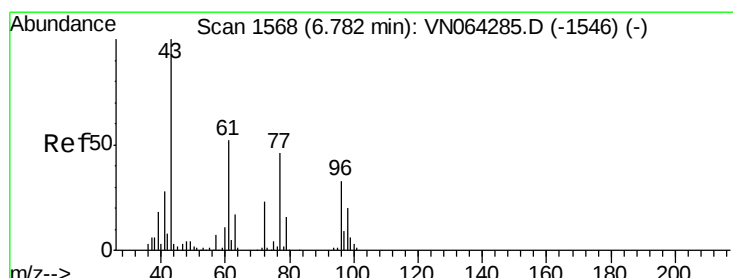
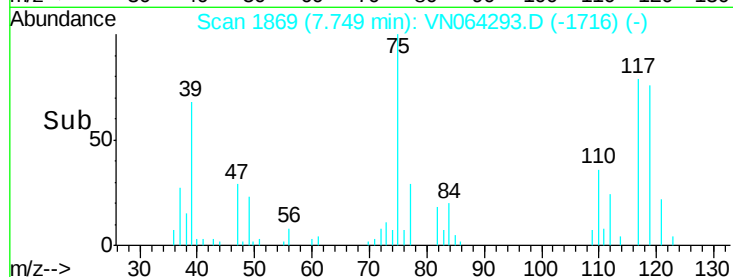
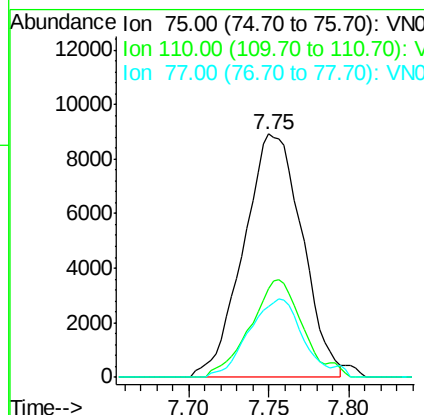
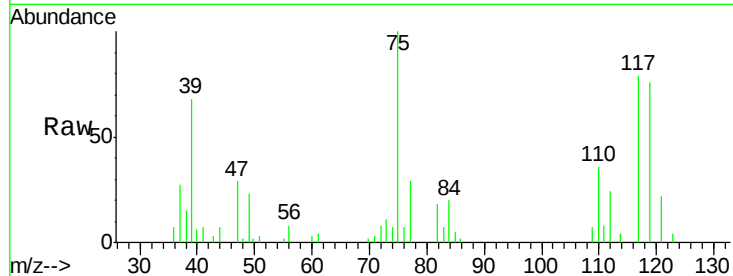
#29
 1,1-Dichloropropene
 Concen: 4.831 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.01 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

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

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.6	0.0	66.2
77	29.1	0.0	64.4

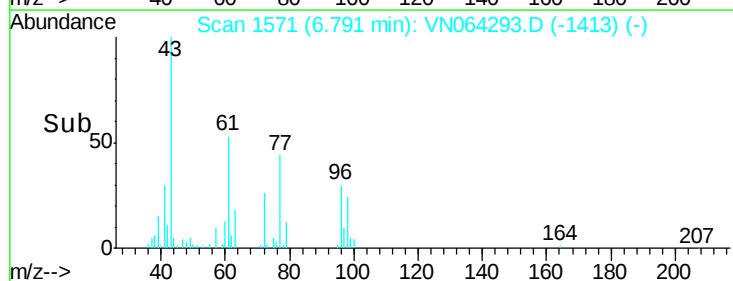
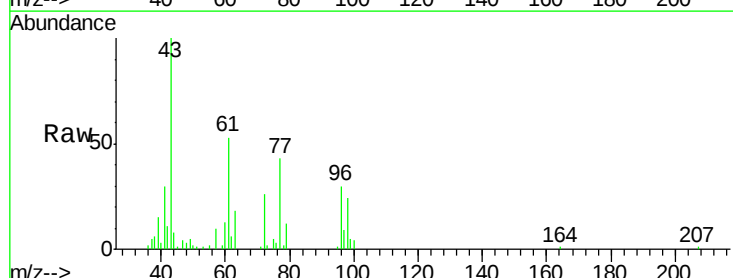
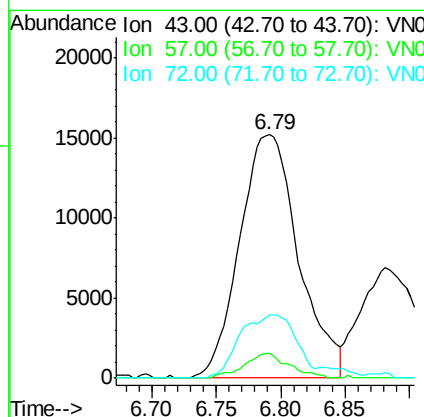
Manual Integrations
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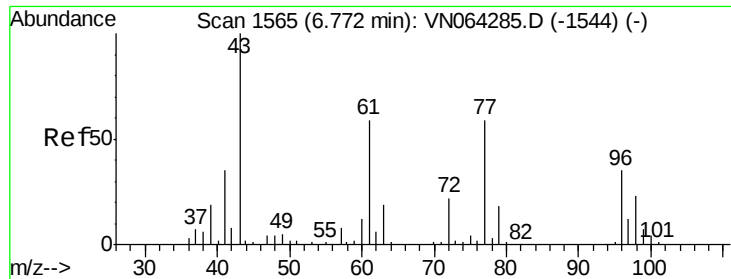
MMDadoda
 10/26/2020 1:39:10 PM



#30
 2-Butanone
 Concen: 23.641 ug/l
 RT: 6.79 min Scan# 1571
 Delta R.T. 0.01 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.8	6.4	9.6
72	9.2	19.4	29.0





#31

2,2-Dichloropropane

Concen: 4.813 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064293.D

Acq: 23 Oct 2020 18:06

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 77 Resp: 28051

Ion Ratio Lower Upper

77 100

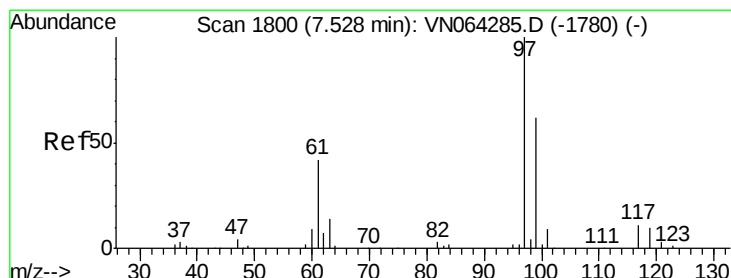
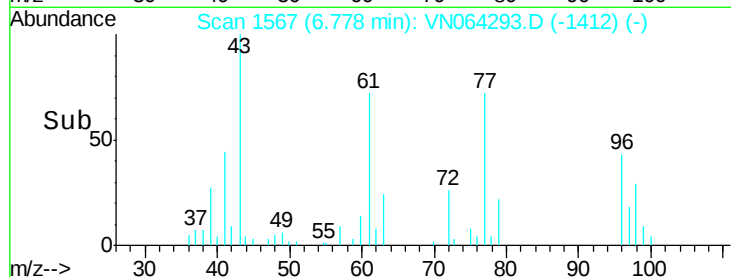
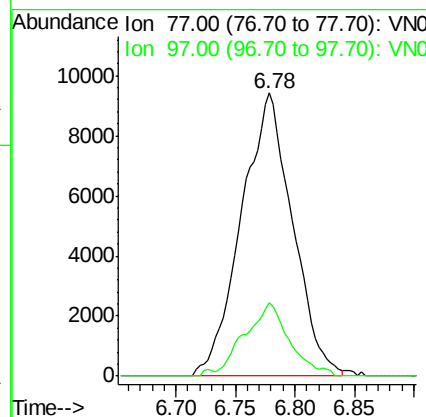
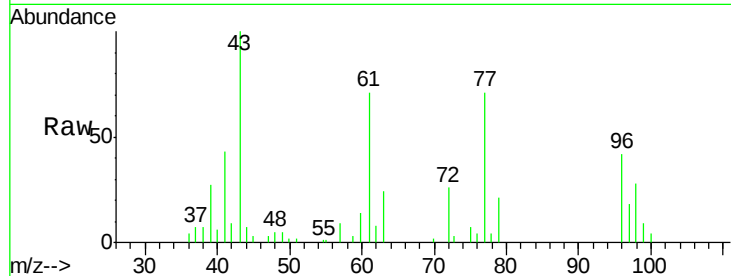
97 22.4 15.1 22.7

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 4.940 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN064293.D

Acq: 23 Oct 2020 18:06

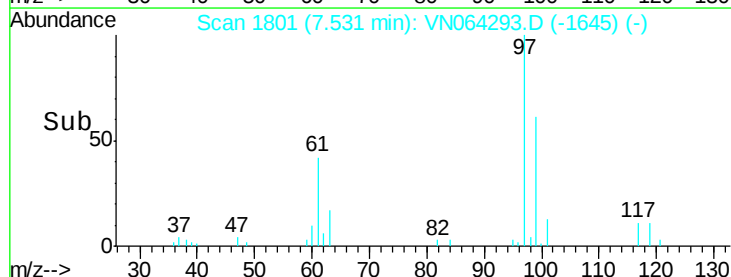
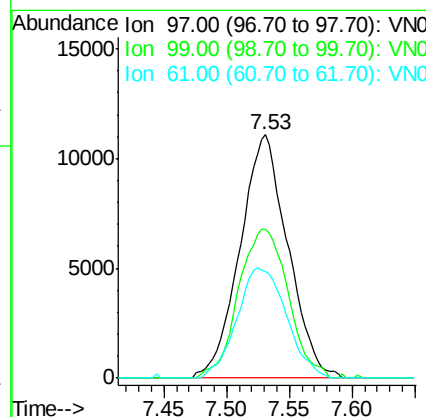
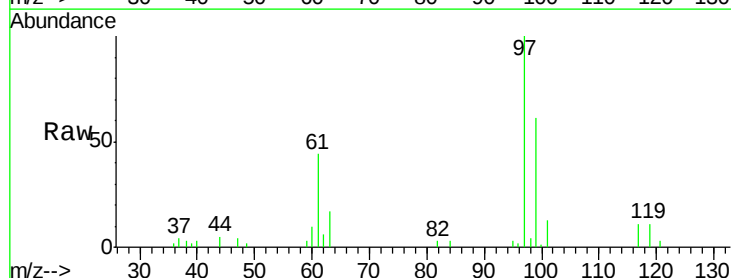
Tgt Ion: 97 Resp: 29396

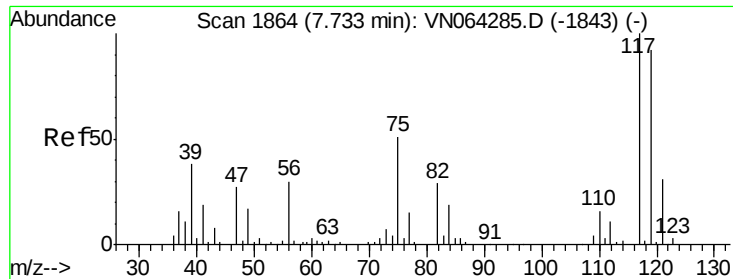
Ion Ratio Lower Upper

97 100

99 63.5 54.4 81.6

61 46.9 37.5 56.3





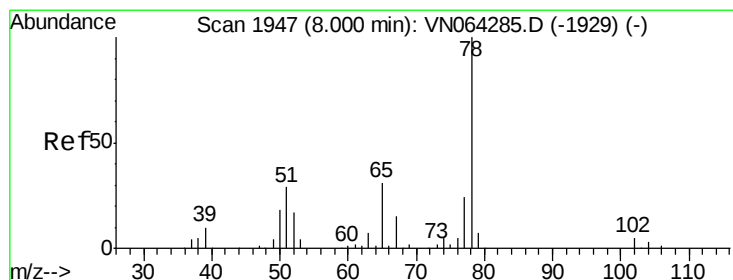
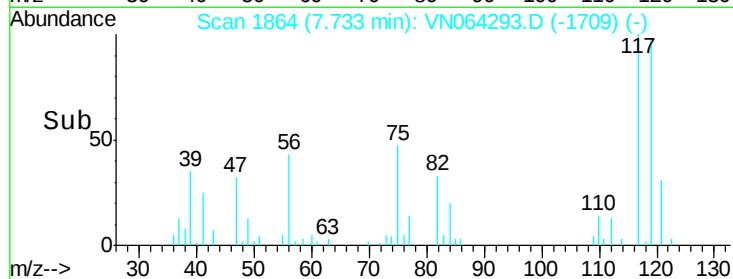
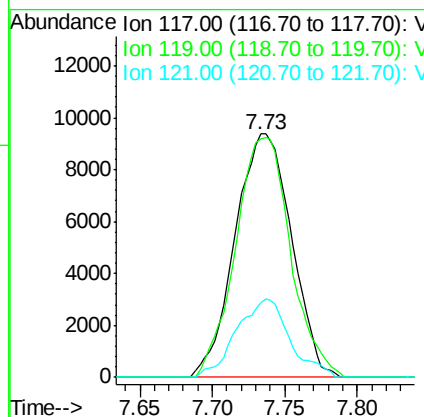
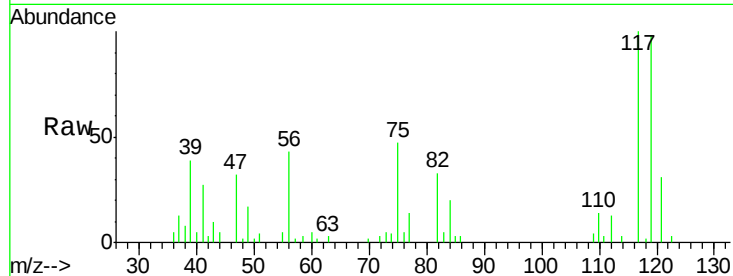
#33
Carbon Tetrachloride
Concen: 4.771 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

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

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.9	80.1	120.1
121	30.9	26.2	39.2

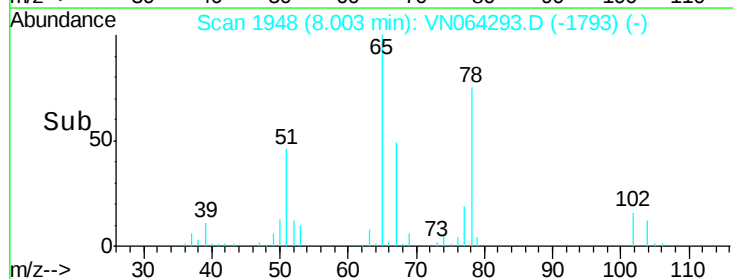
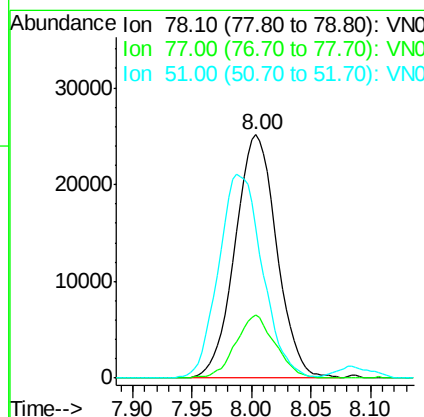
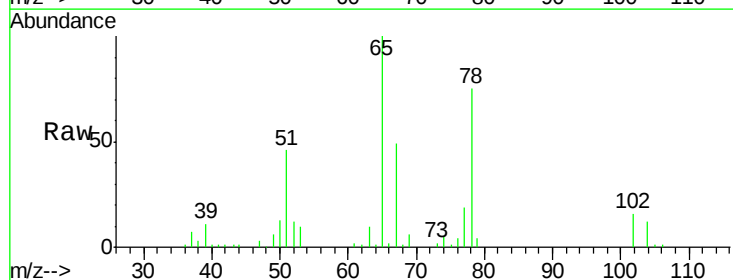
Manual Integrations
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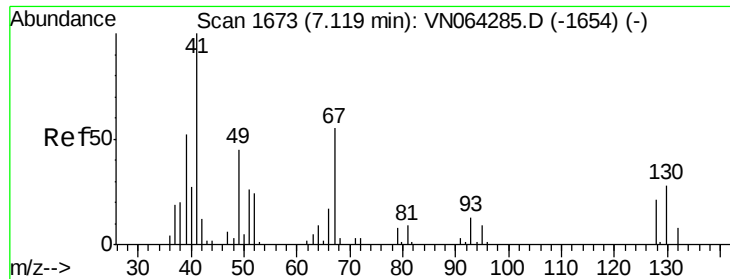
MMDadoda
10/26/2020 1:39:10 PM



#34
Benzene
Concen: 4.794 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.2	19.2	28.8
51	59.1	25.2	37.8#





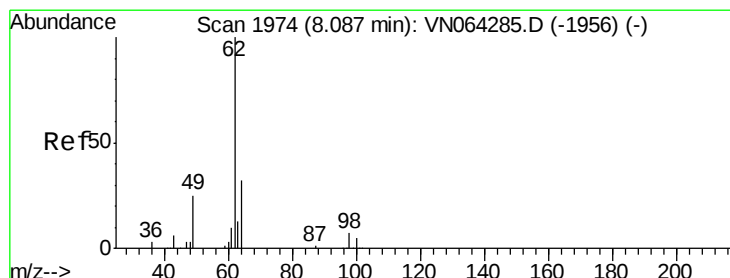
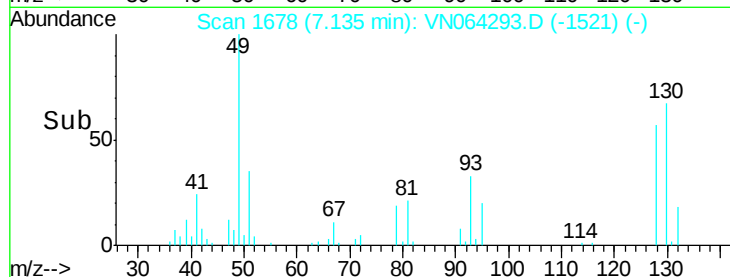
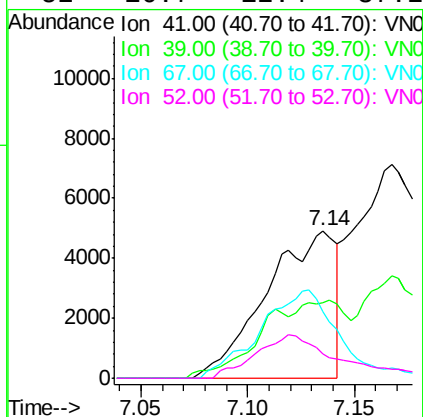
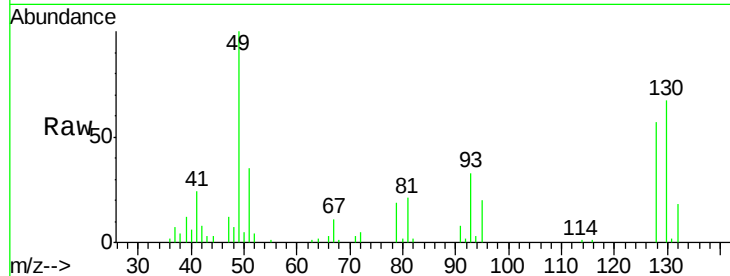
#35
Methacrylonitrile
Concen: 5.404 ug/l m
RT: 7.14 min Scan# 1678
Delta R.T. 0.01 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

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

Tot Ion:	41	Resp:	11143
Ion	Ratio	Lower	Upper
41	100		
39	51.5	28.0	83.9
67	44.8	29.9	89.8
52	16.7	12.4	37.2

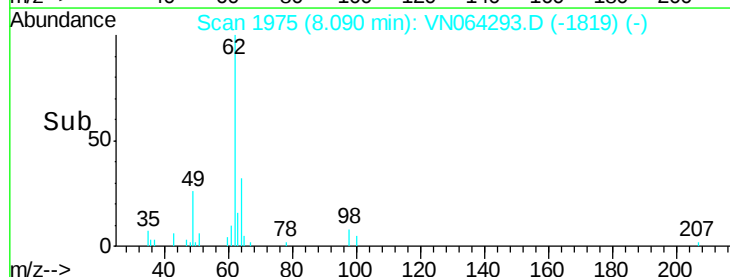
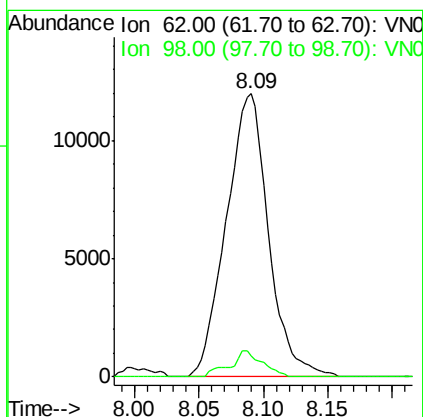
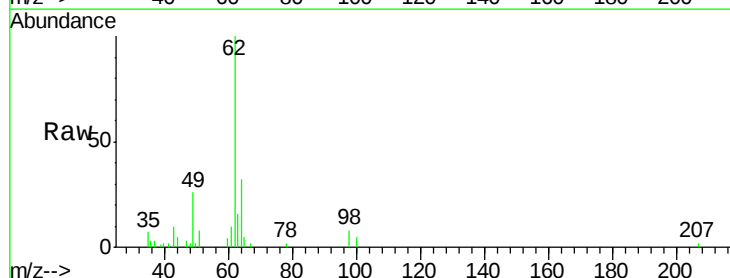
Manual Integrations
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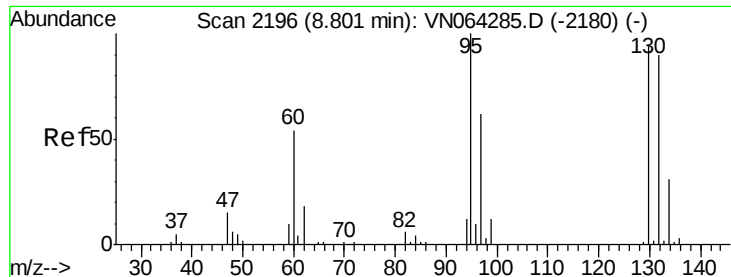
MMDadoda
10/26/2020 1:39:10 PM



#36
1,2-Dichloroethane
Concen: 5.026 ug/l
RT: 8.09 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

Tgt Ion:	62	Resp:	27273
Ion	Ratio	Lower	Upper
62	100		
98	5.5	5.4	8.0





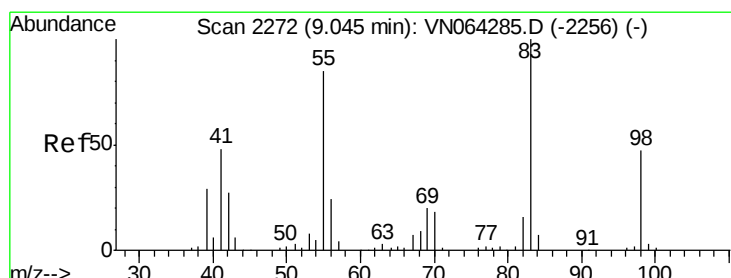
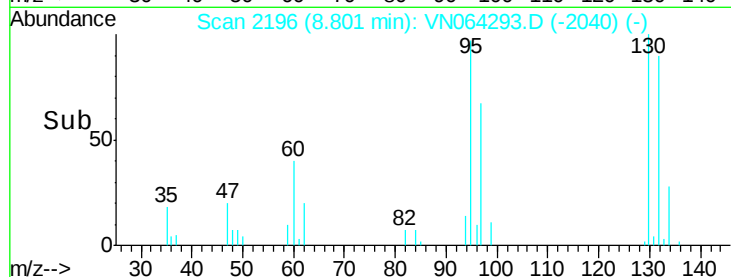
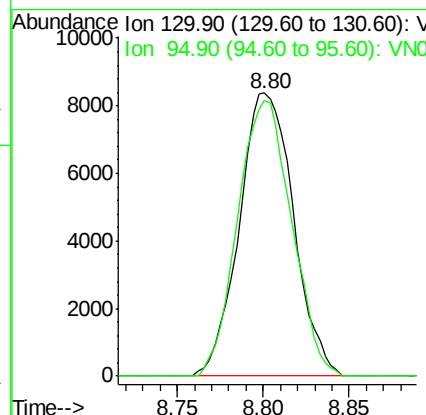
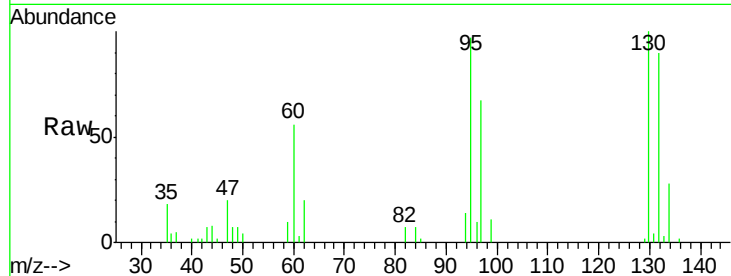
#37
 Trichloroethene
 Concen: 5.240 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

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

Tot Ion:130 Resp: 18352
 Ion Ratio Lower Upper
 130 100
 95 97.4 81.2 121.8

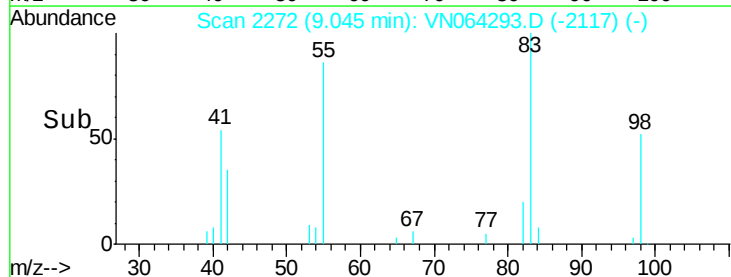
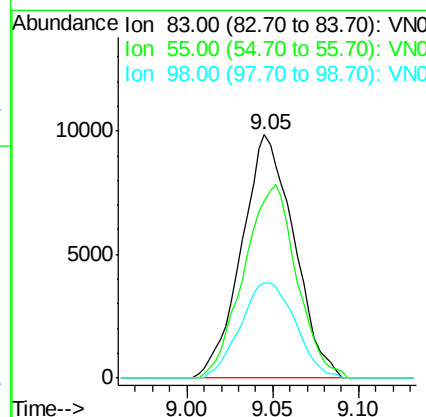
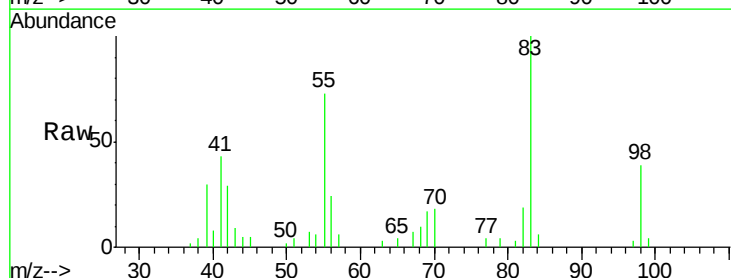
Manual Integrations
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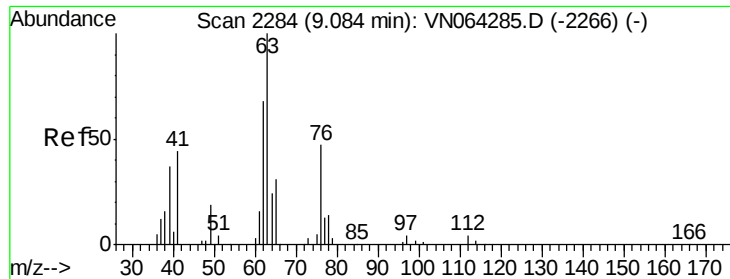
MMDadoda
 10/26/2020 1:39:10 PM



#38
 Methylcyclohexane
 Concen: 4.889 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

Tgt Ion: 83 Resp: 20787
 Ion Ratio Lower Upper
 83 100
 55 79.9 40.3 120.9
 98 41.3 25.3 75.8





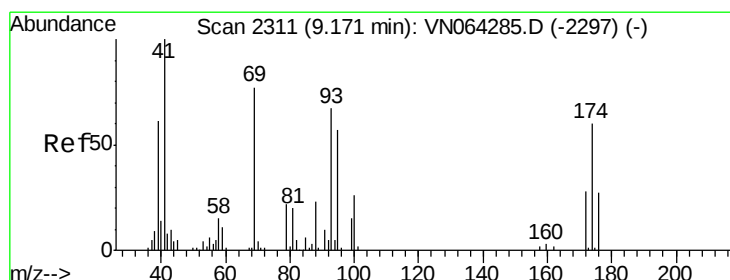
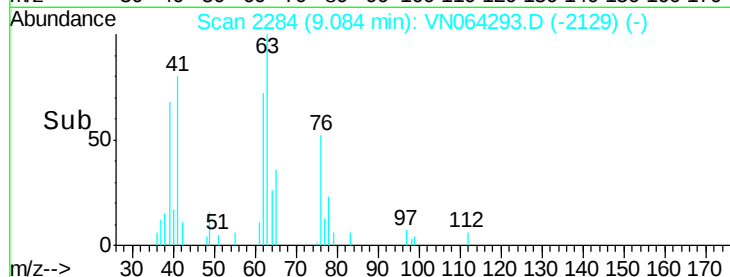
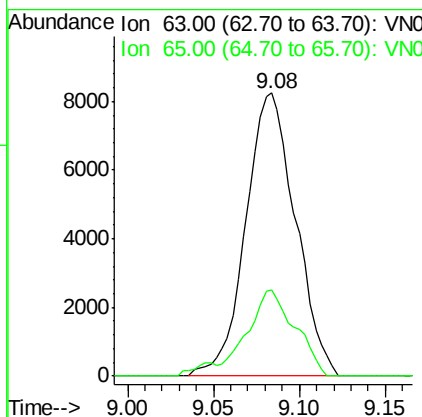
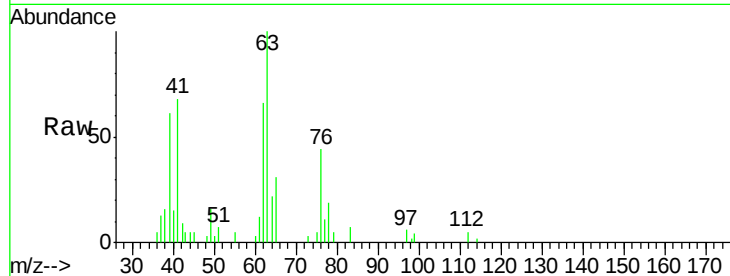
#39
 1,2-Dichloropropane
 Concen: 4.850 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

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

Tot Ion: 63 Resp: 16500
 Ion Ratio Lower Upper
 63 100
 65 30.6 26.1 39.1

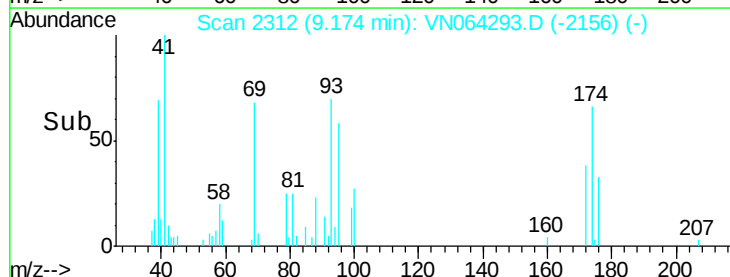
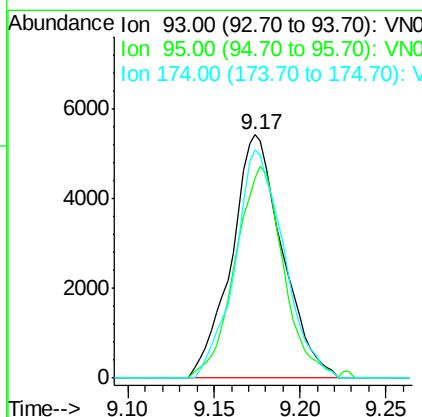
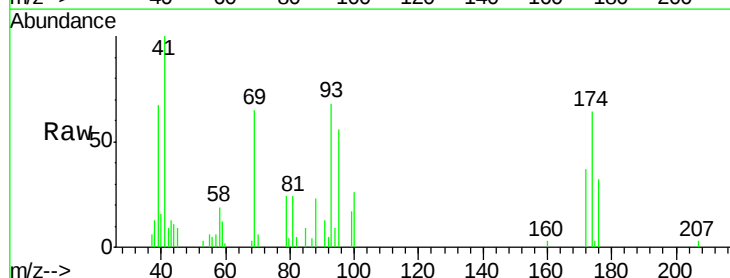
Manual Integrations
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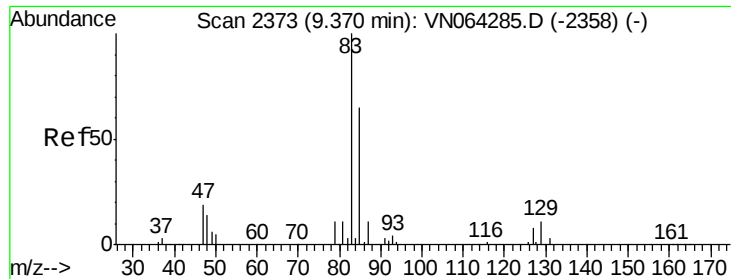
MMDadoda
 10/26/2020 1:39:10 PM



#40
 Dibromomethane
 Concen: 4.711 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

Tgt Ion: 93 Resp: 11214
 Ion Ratio Lower Upper
 93 100
 95 82.2 0.0 156.6
 174 89.9 0.0 168.8





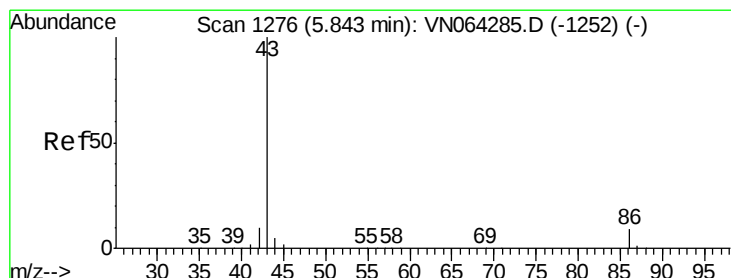
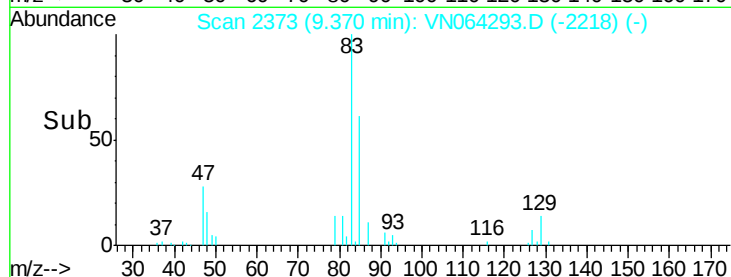
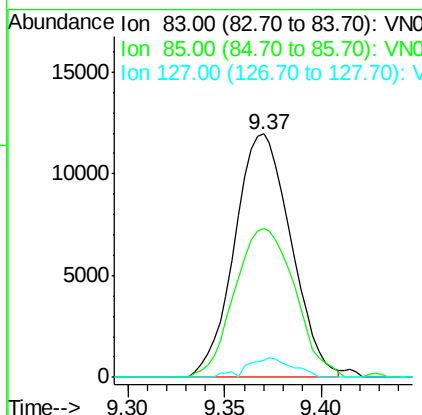
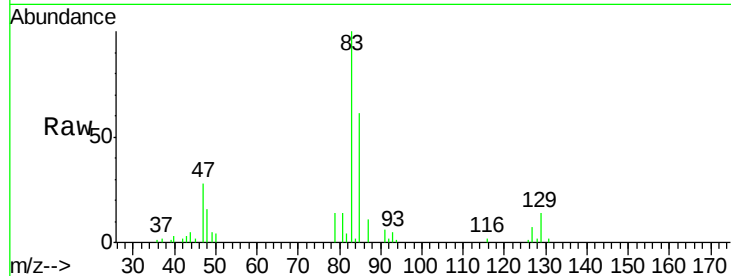
#41
Bromodichloromethane
Concen: 4.694 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

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

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.3	57.8	86.6
127	7.2	7.0	10.4

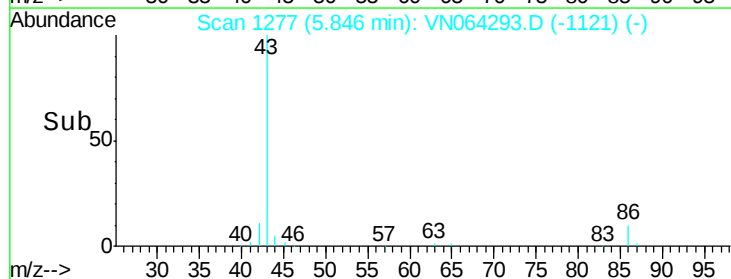
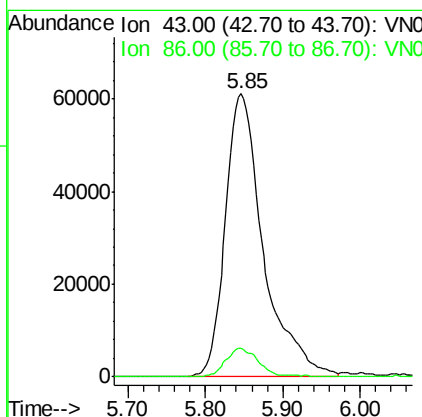
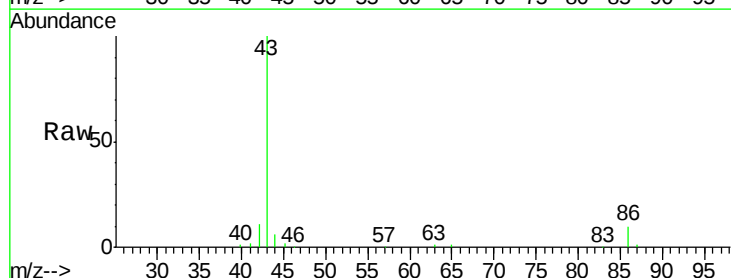
Manual Integrations
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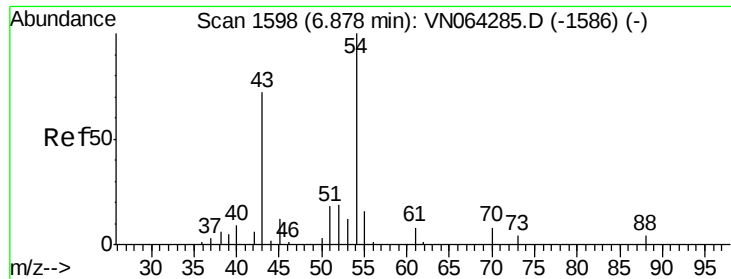
MMDadoda
10/26/2020 1:39:10 PM



#42
Vinyl Acetate
Concen: 23.145 ug/l
RT: 5.85 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.5	6.6	9.8





#43

Ethyl Acetate

Concen: 4.361 ug/l

RT: 6.88 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VN064293.D

Acq: 23 Oct 2020 18:06

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 43 Resp: 18884

Ion Ratio Lower Upper

43 100

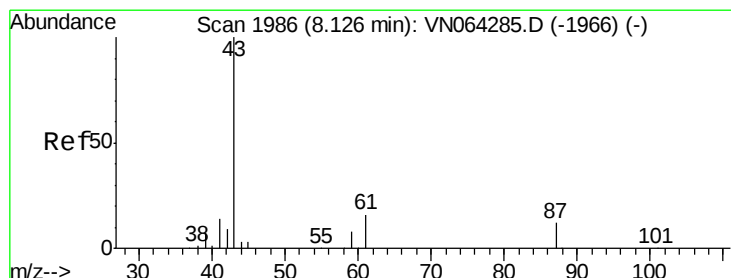
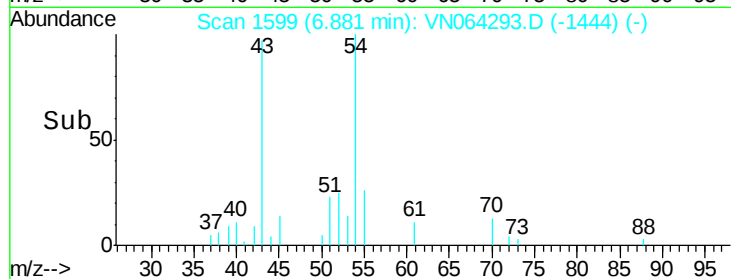
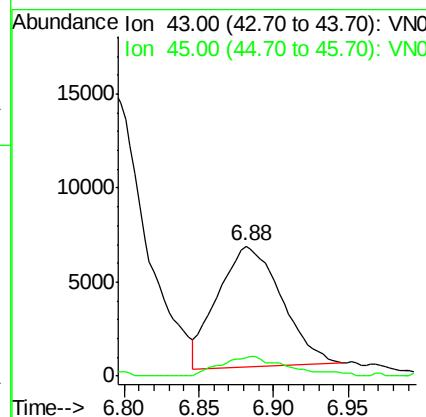
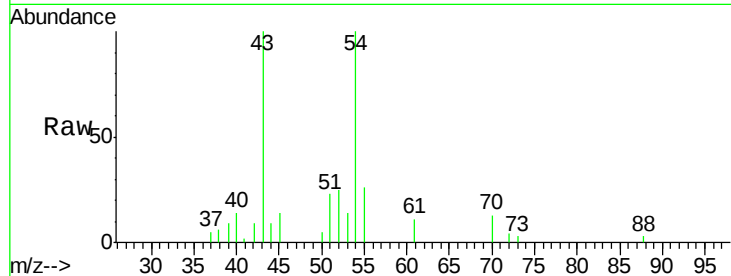
45 11.5 8.2 12.4

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#44

Isopropyl Acetate

Concen: 4.936 ug/l m

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064293.D

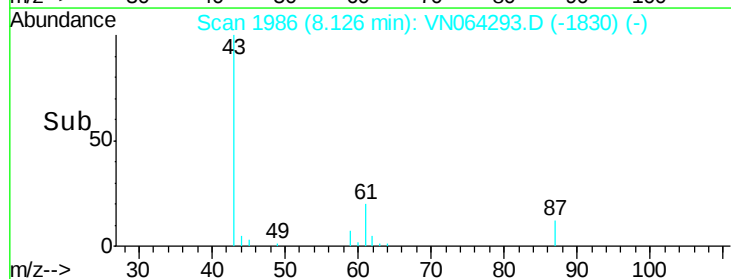
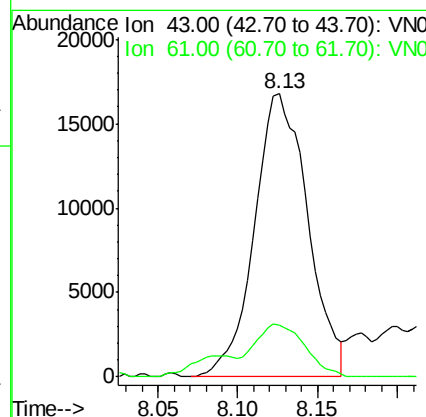
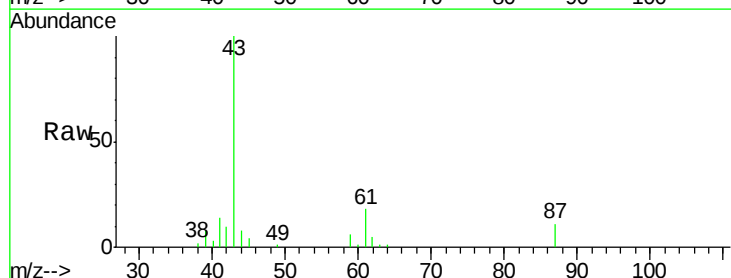
Acq: 23 Oct 2020 18:06

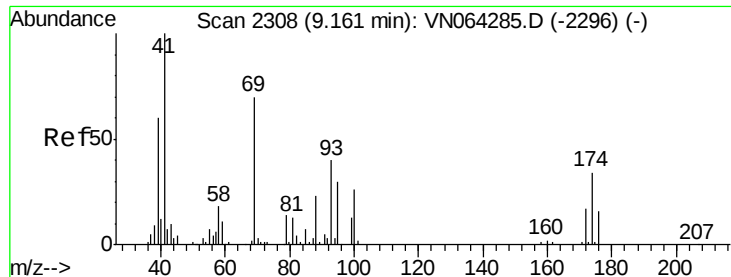
Tgt Ion: 43 Resp: 38335

Ion Ratio Lower Upper

43 100

61 0.4 19.9 29.9#





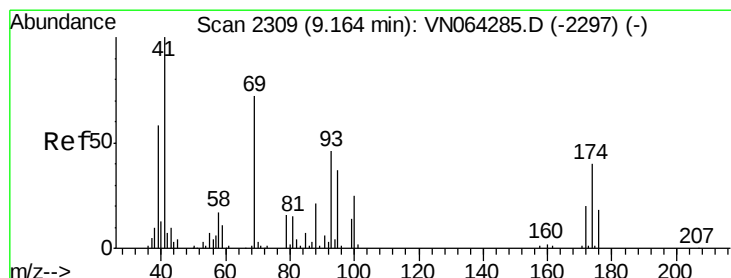
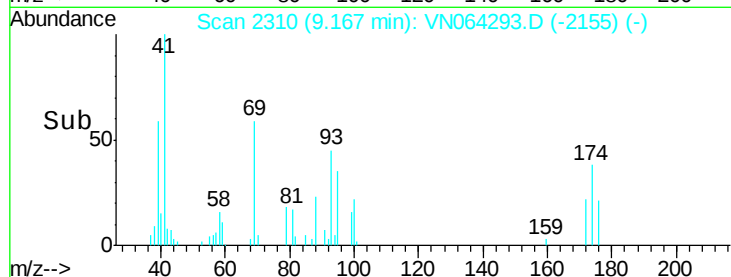
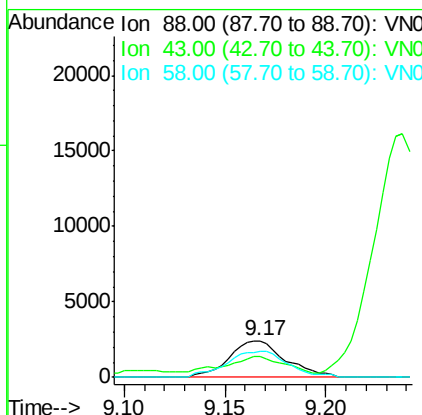
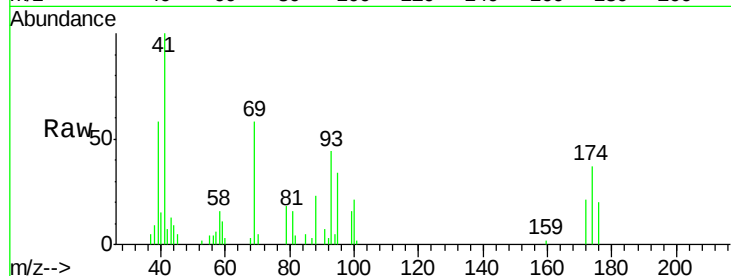
#45
 1,4-Dioxane
 Concen: 100.046 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.4	34.7	52.1
58	37.4	65.8	98.6#

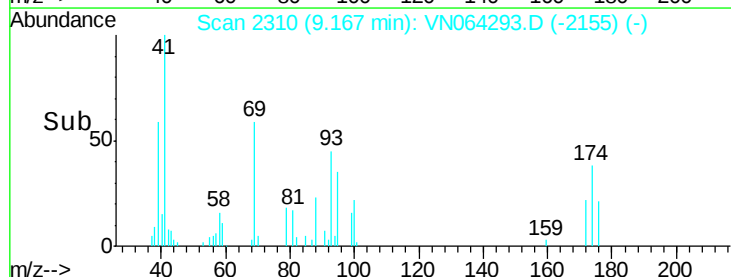
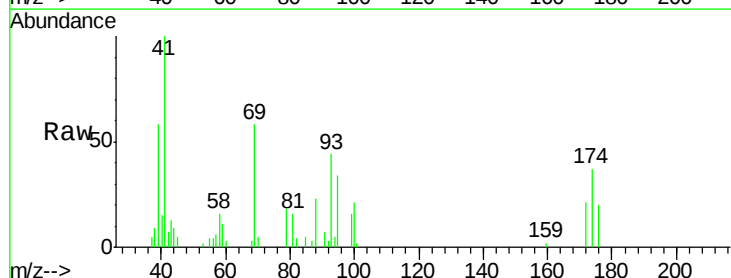
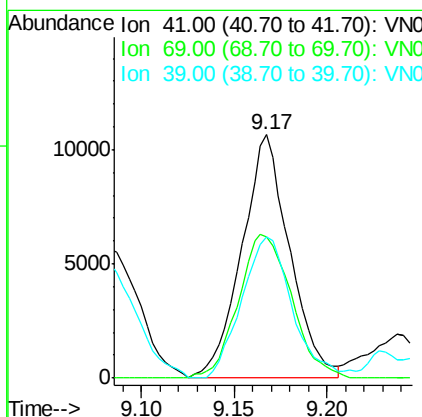
Manual Integrations
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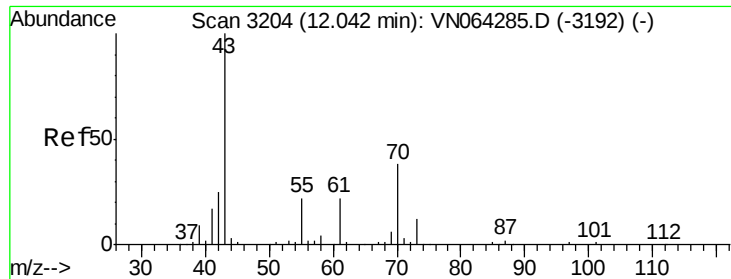
MMDadoda
 10/26/2020 1:39:10 PM



#46
 Methyl methacrylate
 Concen: 5.088 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

Tgt Ion	Ratio	Lower	Upper
41	100		
69	57.9	32.6	97.7
39	58.1	31.1	93.3





#47

n-amvl Acetate

Concen: 4.631 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN064293.D

Acq: 23 Oct 2020 18:06

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 43 Resp: 31030

Ion Ratio Lower Upper

43 100

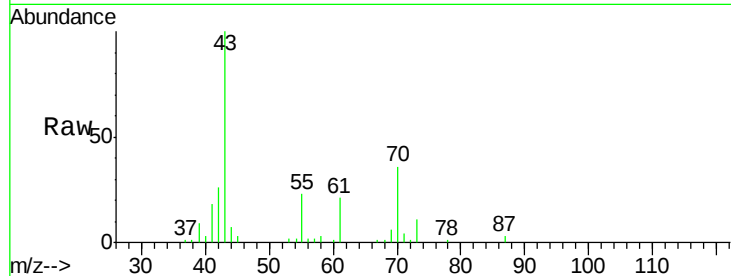
55 22.1 18.2 27.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.05

15000

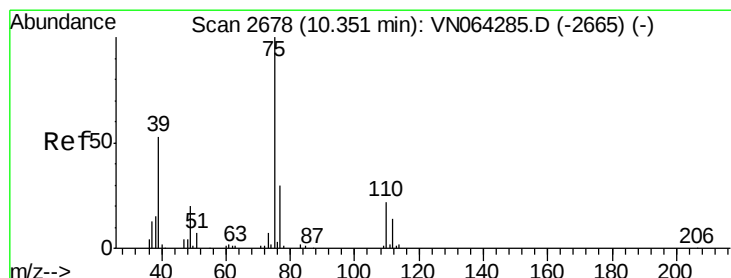
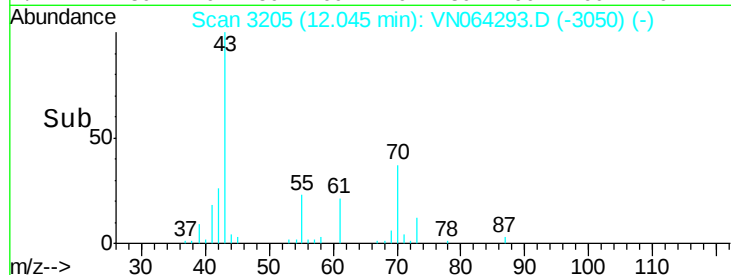
10000

5000

0

Time-->

11.95 12.00 12.05 12.10



#48

t-1,3-Dichloropropene

Concen: 4.894 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064293.D

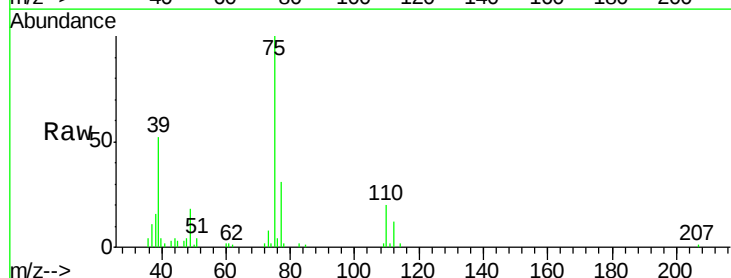
Acq: 23 Oct 2020 18:06

Tgt Ion: 75 Resp: 28203

Ion Ratio Lower Upper

75 100

77 28.2 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.35

15000

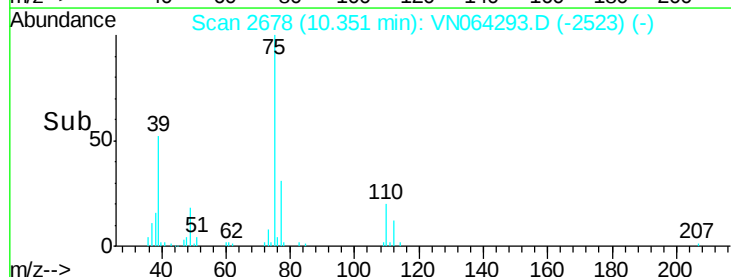
10000

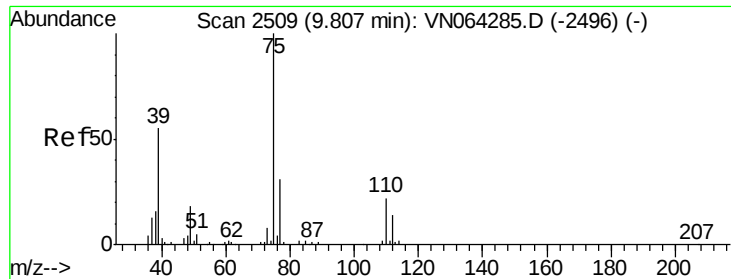
5000

0

Time-->

10.30 10.35 10.40





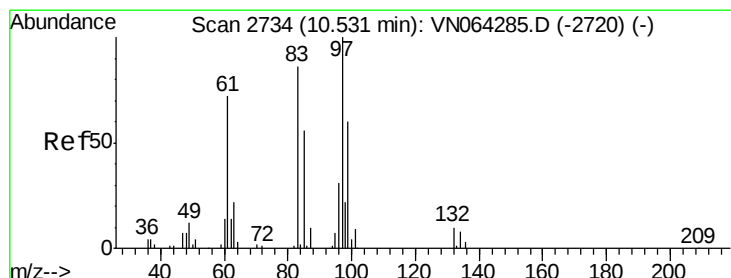
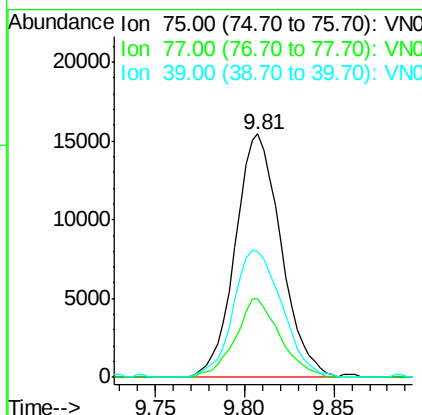
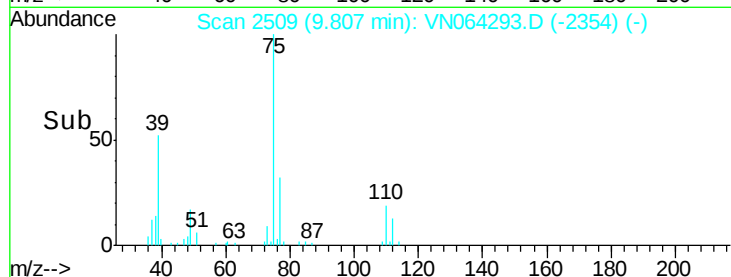
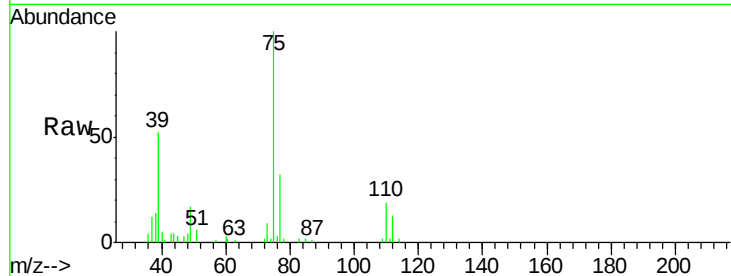
#49
 cis-1,3-Dichloropropene
 Concen: 4.616 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

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

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	23.7	35.5
39	51.8	46.9	70.3

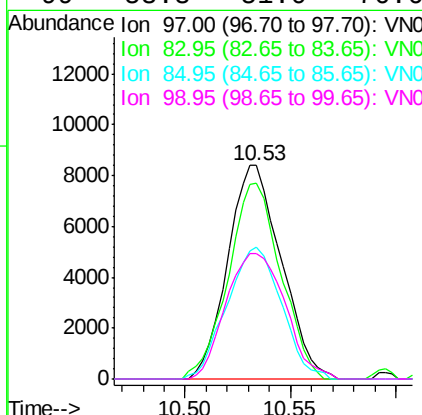
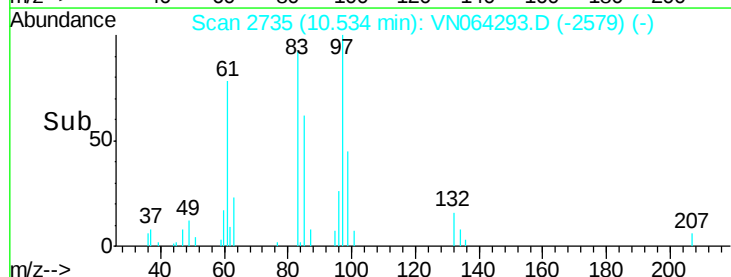
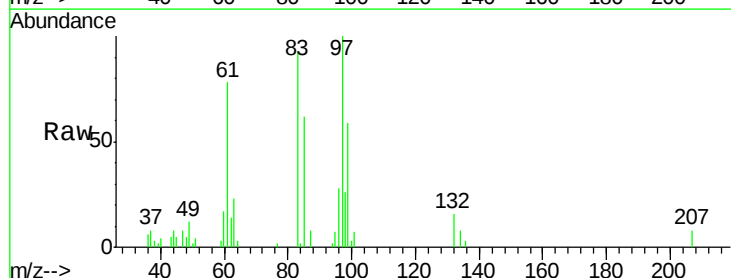
Manual Integrations
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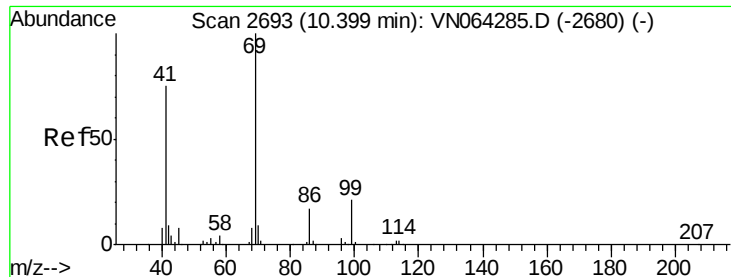
MMDadoda
 10/26/2020 1:39:10 PM



#50
 1,1,2-Trichloroethane
 Concen: 4.723 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.6	68.9	103.3
85	61.8	37.8	56.8#
99	58.8	51.0	76.6





#51

Ethyl methacrylate

Concen: 4.581 ug/l

RT: 10.40 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VN064293.D

Acq: 23 Oct 2020 18:06

Instrument :

MSVOA_N

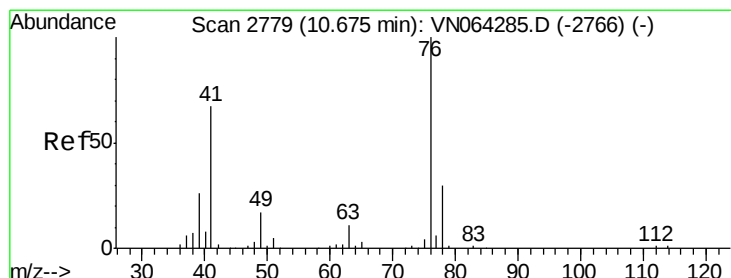
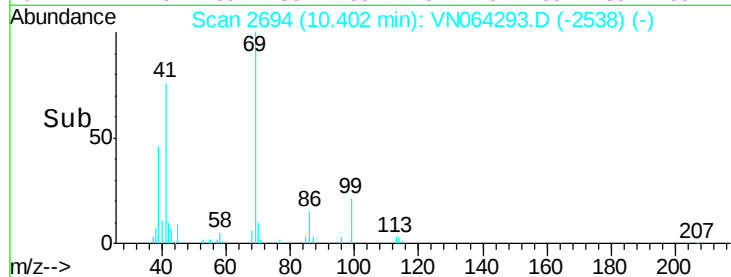
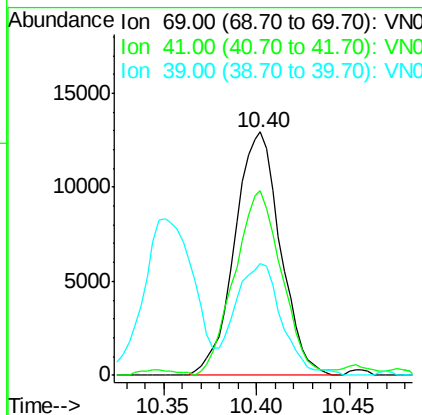
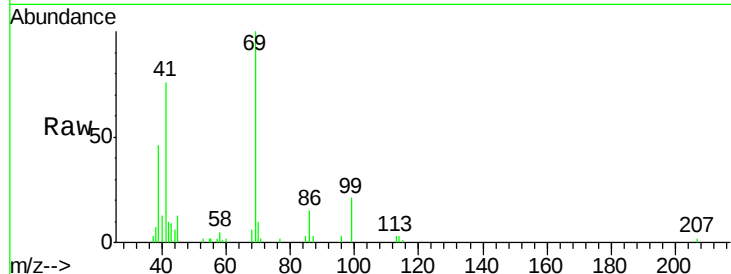
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:	69	Resp:	22095
Ion	Ratio	Lower	Upper
69	100		
41	74.4	43.6	130.9
39	44.9	25.8	77.3

Manual Integrations
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10/26/2020 1:39:10 PM



#52

1,3-Dichloropropane

Concen: 4.989 ug/l

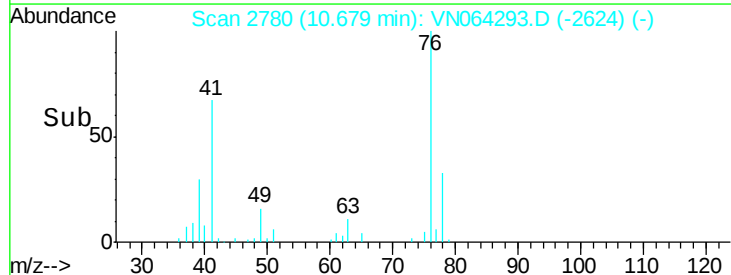
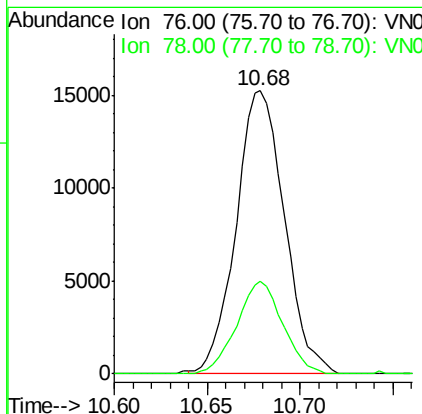
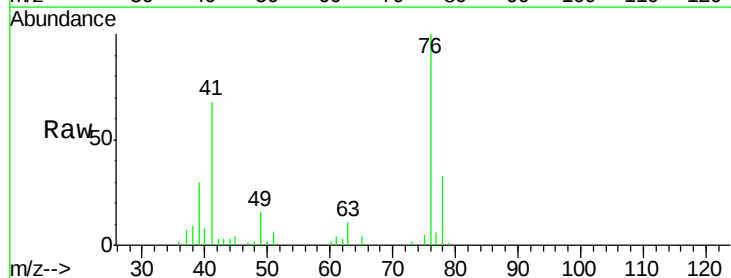
RT: 10.68 min Scan# 2780

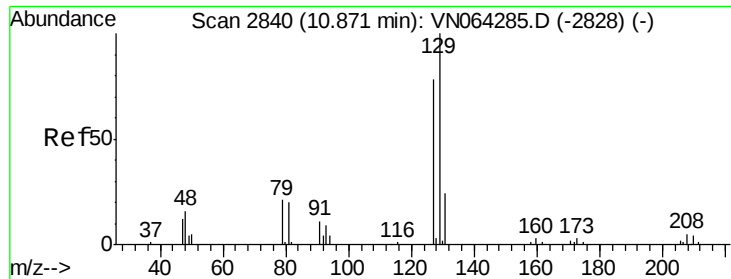
Delta R.T. 0.00 min

Lab File: VN064293.D

Acq: 23 Oct 2020 18:06

Tgt Ion:	76	Resp:	27660
Ion	Ratio	Lower	Upper
76	100		
78	30.9	0.0	64.6





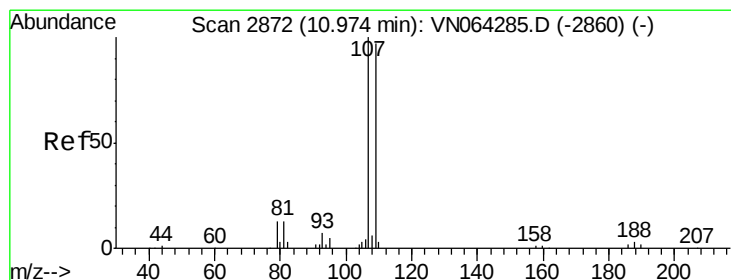
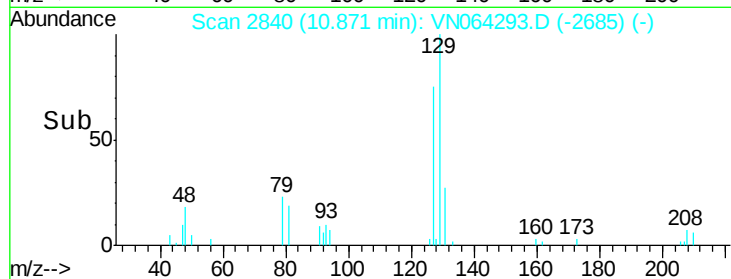
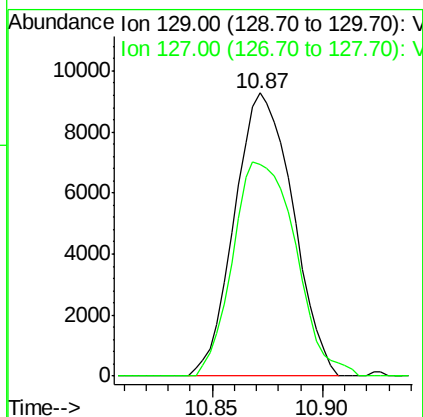
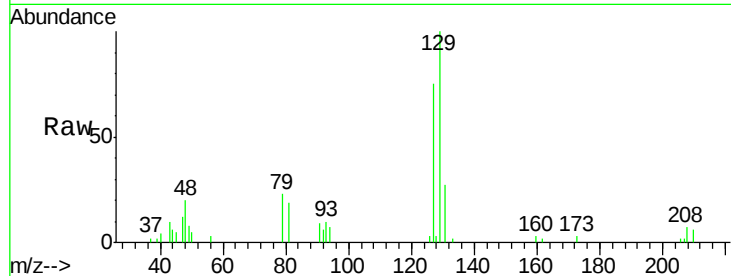
#53
 Dibromochloromethane
 Concen: 4.340 ug/l
 RT: 10.87 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

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

Tot Ion:129 Resp: 17001
 Ion Ratio Lower Upper
 129 100
 127 81.6 42.4 127.2

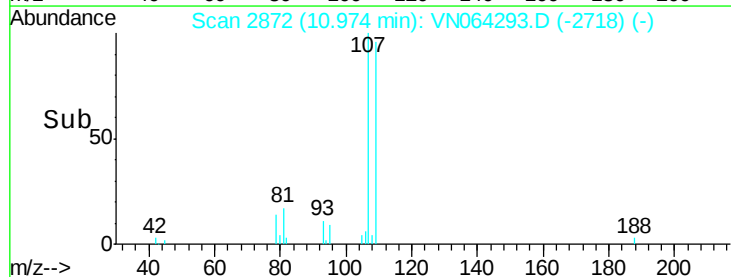
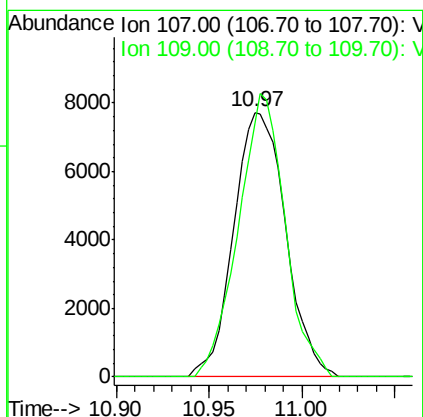
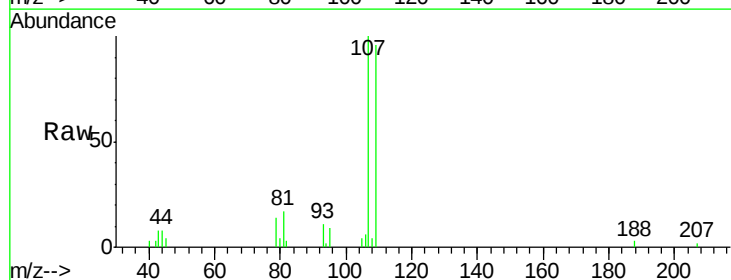
Manual Integrations
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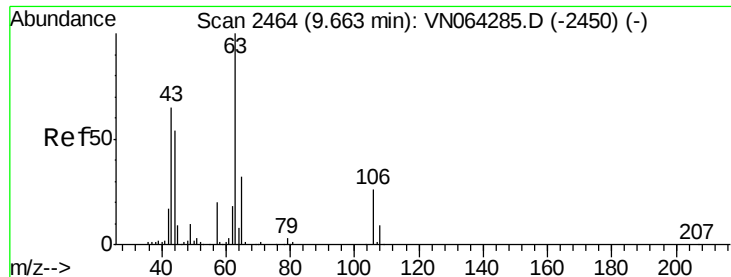
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#54
 1,2-Dibromoethane
 Concen: 4.482 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

Tgt Ion:107 Resp: 15017
 Ion Ratio Lower Upper
 107 100
 109 96.4 75.7 113.5





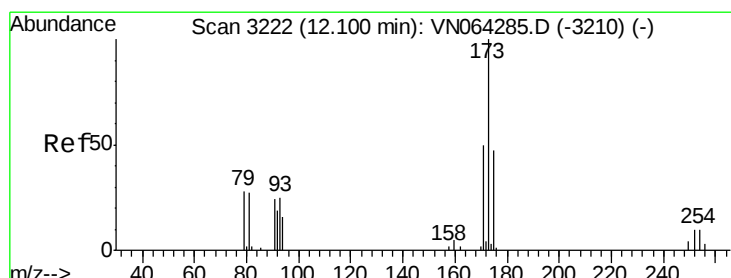
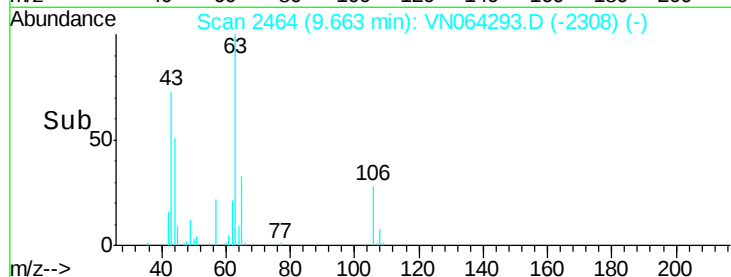
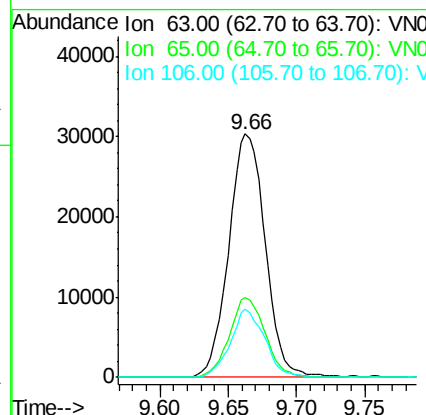
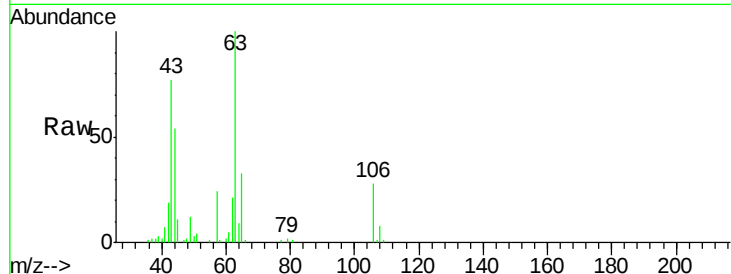
#55
2-Chloroethyl vinyl ether
Concen: 24.055 ug/l
RT: 9.66 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

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

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.2	37.8
106	26.3	20.6	31.0

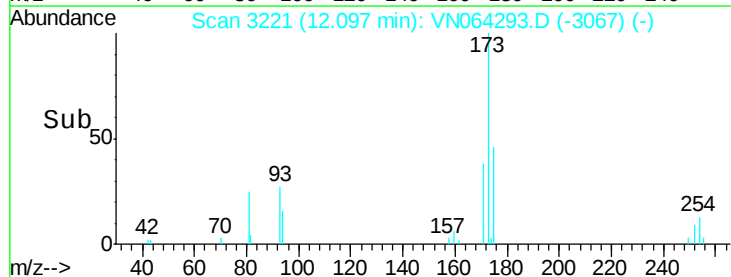
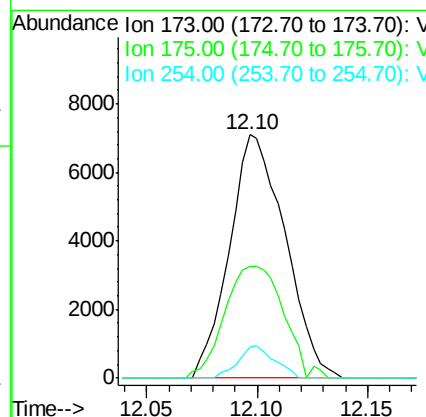
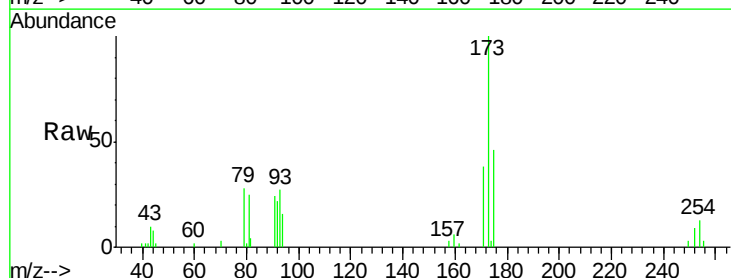
Manual Integrations
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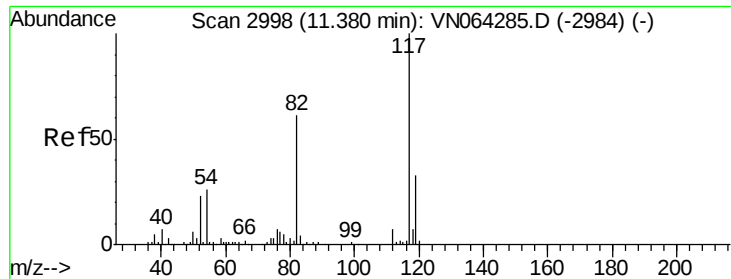
MMDadoda
10/26/2020 1:39:10 PM



#56
Bromoform
Concen: 4.499 ug/l
RT: 12.10 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.6	39.5	59.3
254	8.7	5.0	7.4#





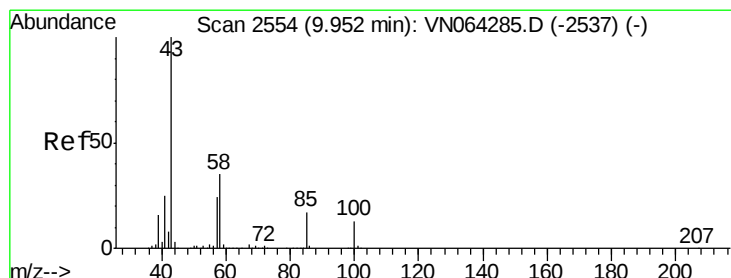
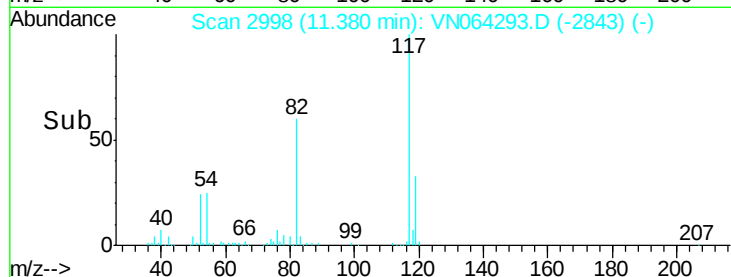
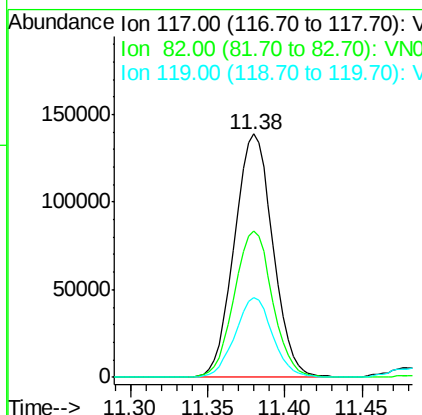
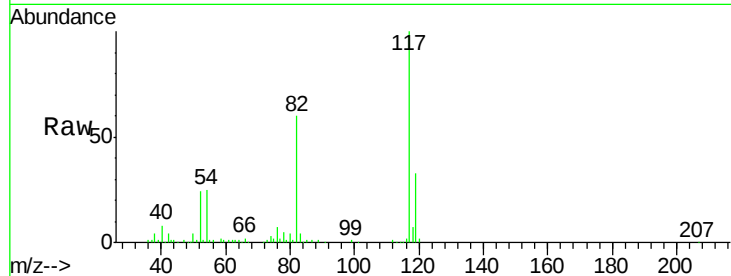
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100	240444		
82	59.8		47.0	70.6
119	31.9		24.6	37.0

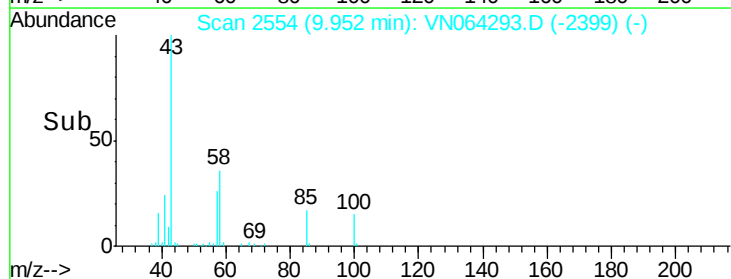
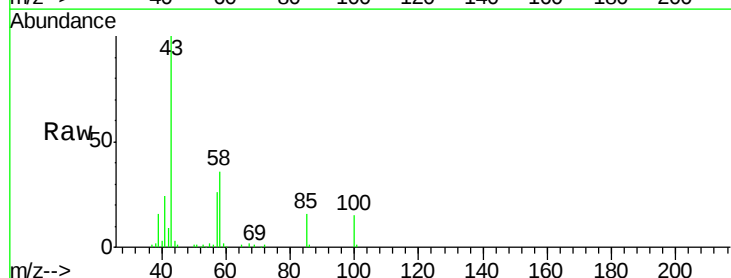
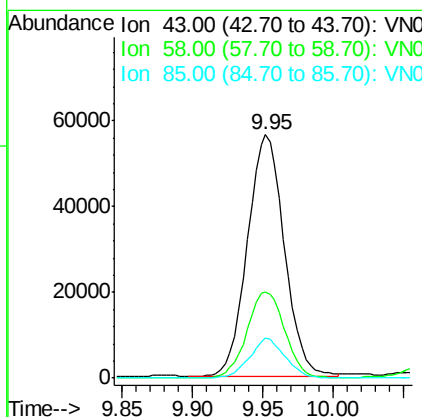
Manual Integrations
APPROVED

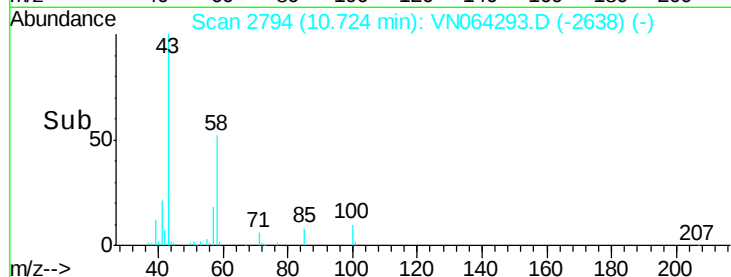
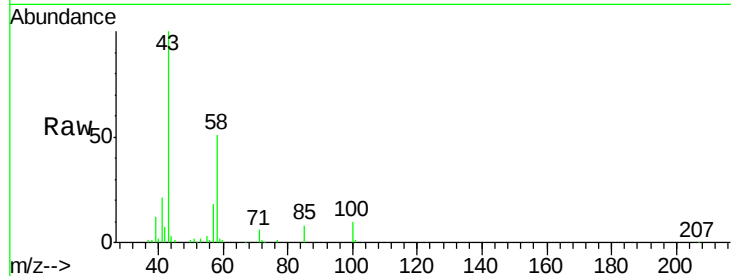
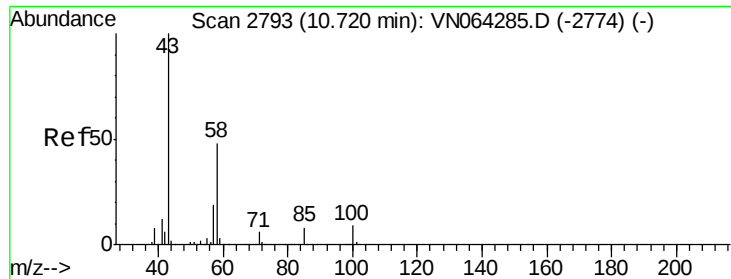
MMDadoda
10/26/2020 1:39:10 PM



#58
4-Methyl-2-Pentanone
Concen: 25.122 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	104105		
58	36.4		28.6	43.0
85	15.6		13.7	20.5





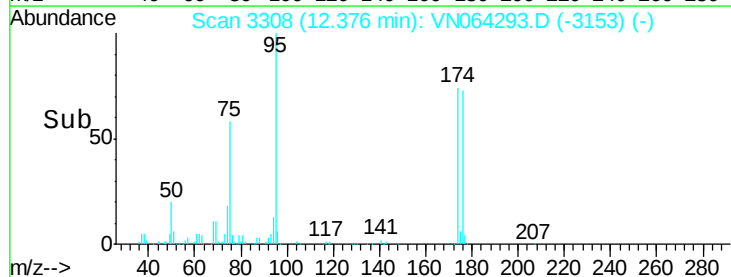
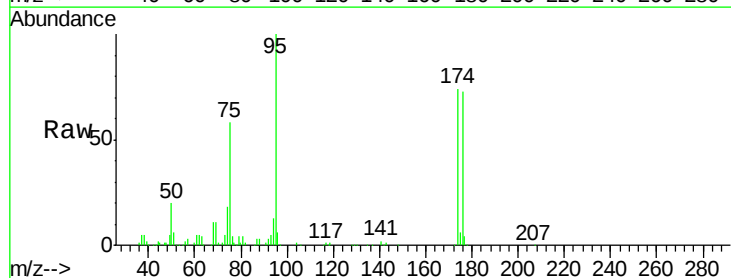
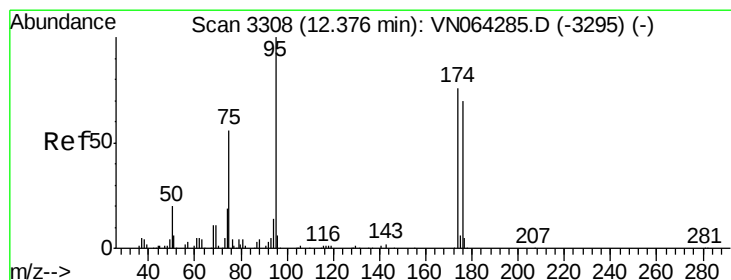
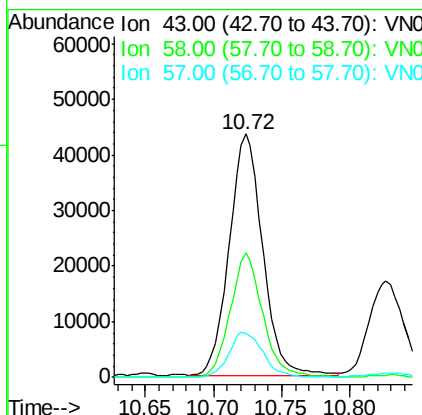
#59
2-Hexanone
Concen: 23.686 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

Tot Ion:	43	Resp:	74421
Ion Ratio	Lower	Upper	
43	100		
58	49.4	40.5	60.7
57	18.8	15.4	23.0

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

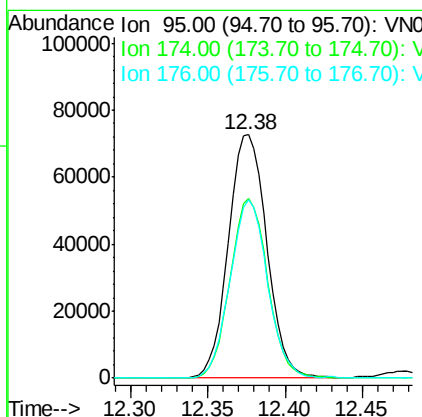
Manual Integrations
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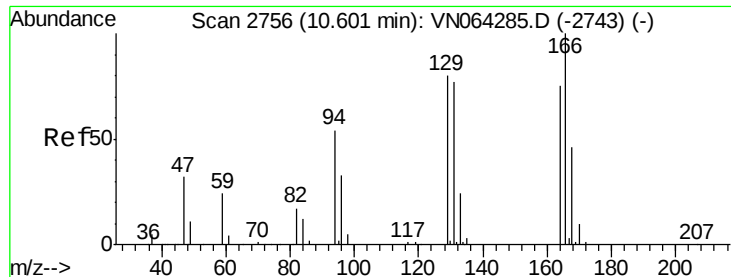
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 29.344 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

Tgt Ion:	95	Resp:	125577
Ion Ratio	Lower	Upper	
95	100		
174	72.2	57.9	86.9
176	71.2	56.7	85.1





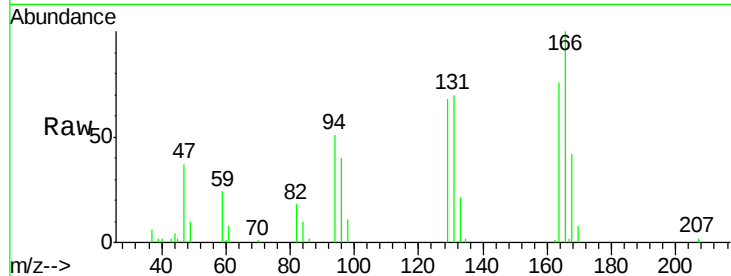
#61
Tetrachloroethene
Concen: 5.352 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

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

Tot Ion	Ratio	Lower	Upper
164	100		
166	131.8	107.4	161.0
129	89.9	84.3	126.5
131	91.7	81.1	121.7

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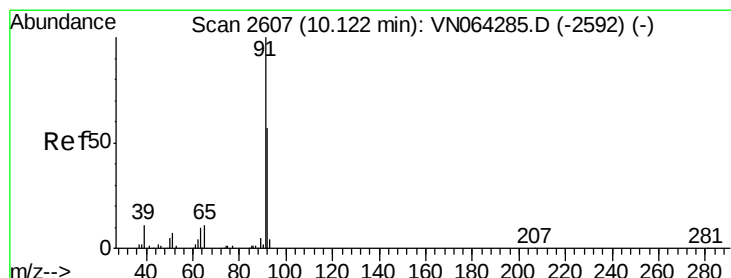
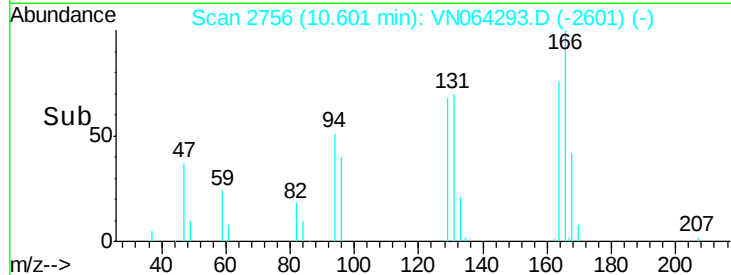
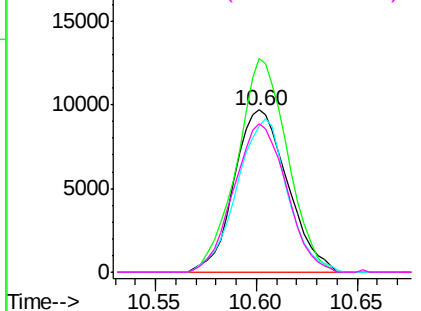
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

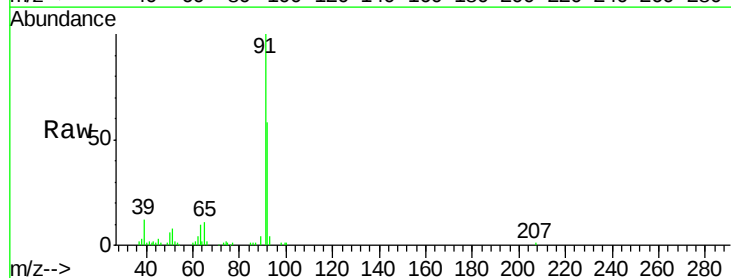
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 4.889 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

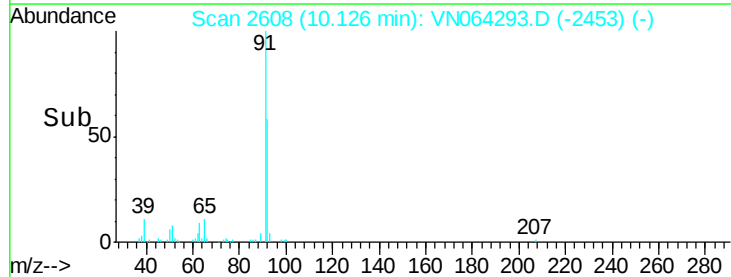
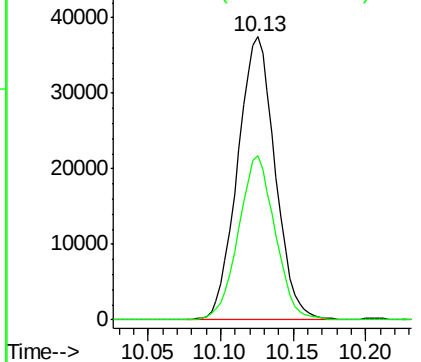
Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.3	46.4	69.6

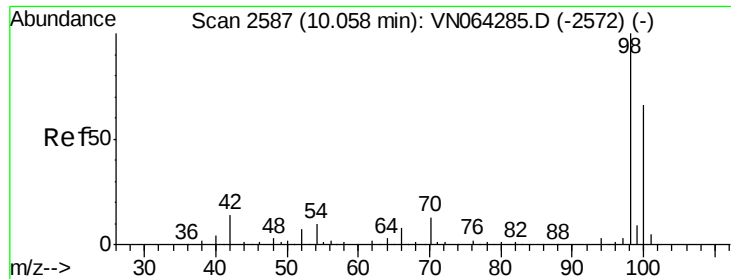


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





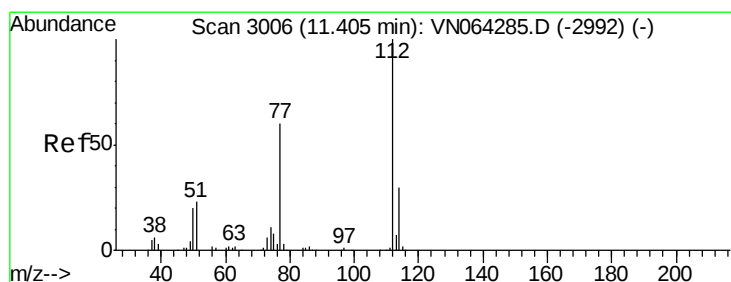
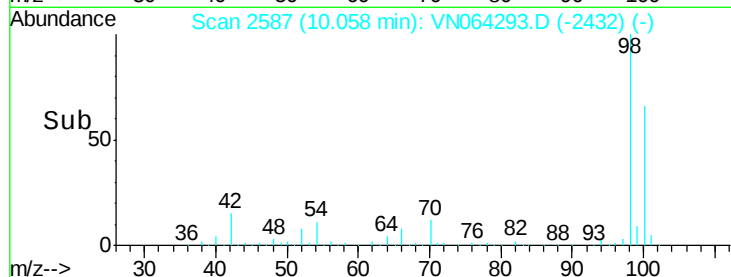
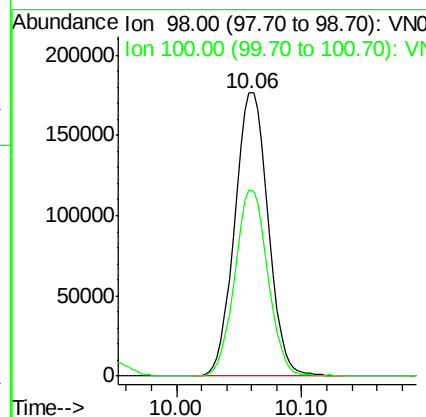
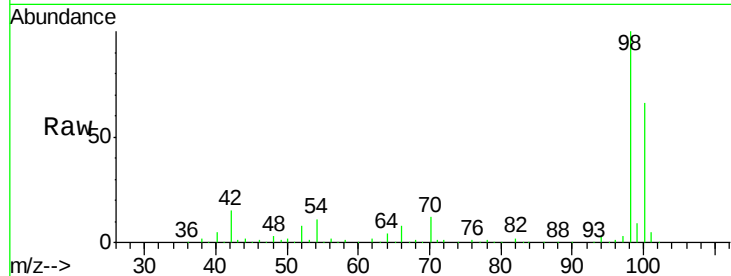
#63
Toluene-d8
Concen: 30.463 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

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

Tot Ion: 98 Resp: 327389
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5

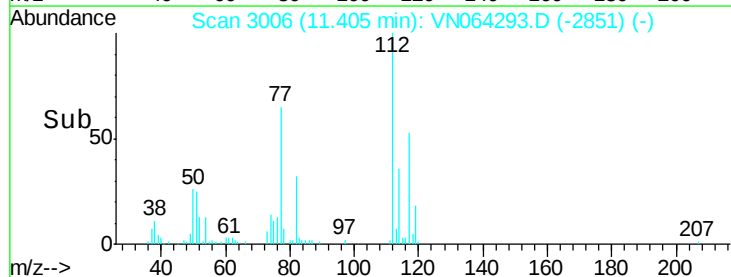
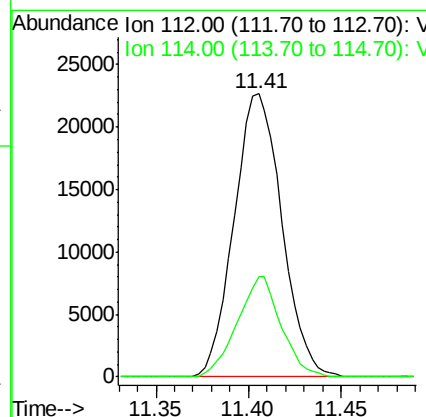
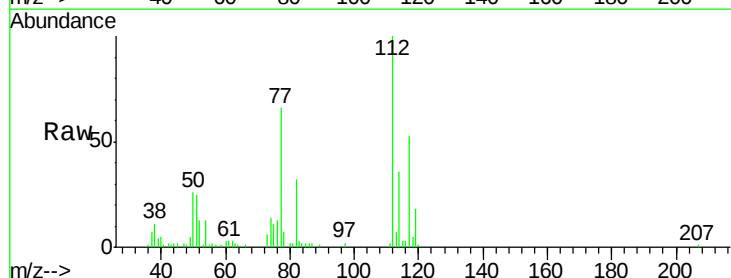
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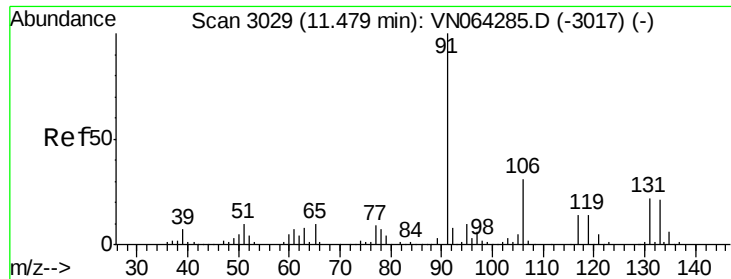
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#64
Chlorobenzene
Concen: 4.719 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

Tgt Ion: 112 Resp: 40515
Ion Ratio Lower Upper
112 100
114 35.7 26.5 39.7





#65

1,1,1,2-Tetrachloroethane

Concen: 4.619 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064293.D

Acq: 23 Oct 2020 18:06

Instrument :

MSVOA_N

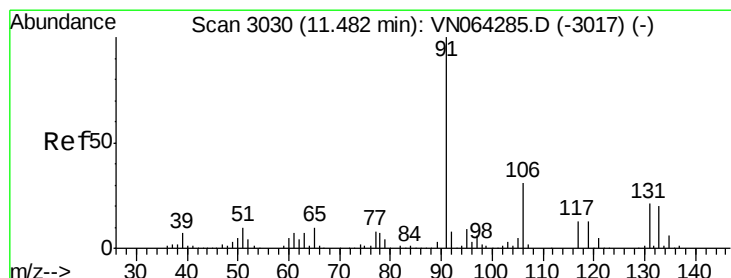
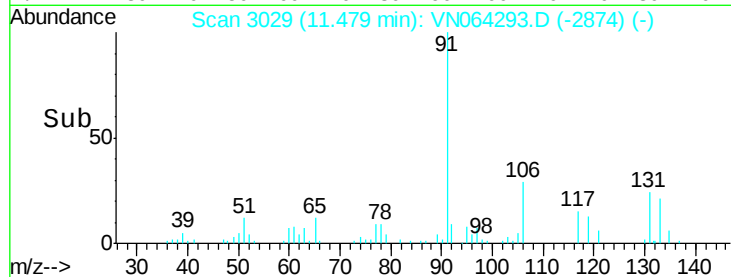
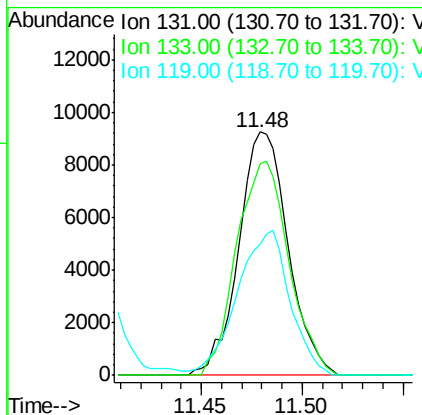
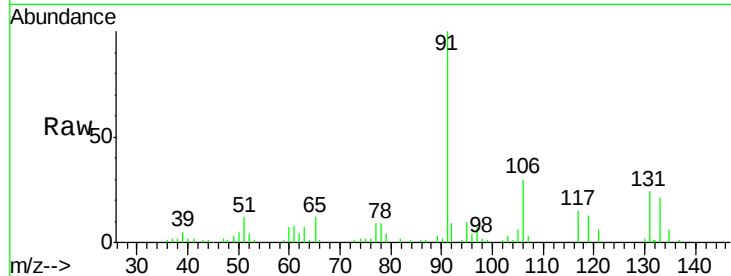
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
131	100		
133	93.3	0.0	193.4
119	63.5	0.0	125.2

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#66

Ethyl Benzene

Concen: 4.783 ug/l

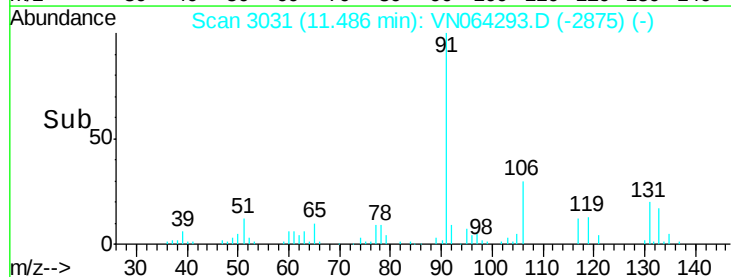
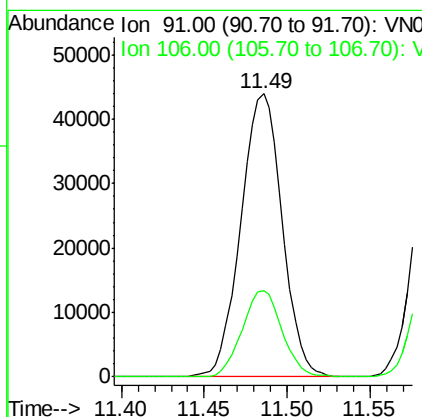
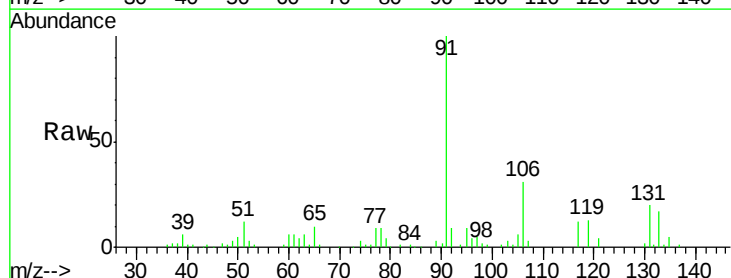
RT: 11.49 min Scan# 3031

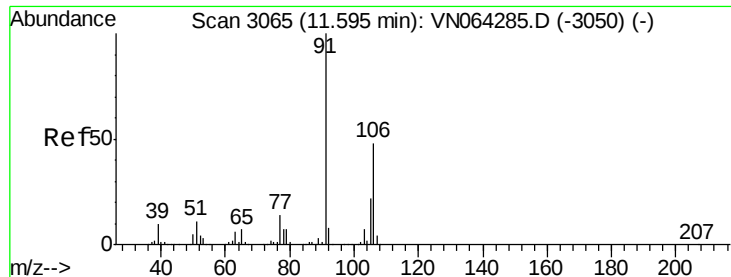
Delta R.T. 0.00 min

Lab File: VN064293.D

Acq: 23 Oct 2020 18:06

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.7	23.8	35.6





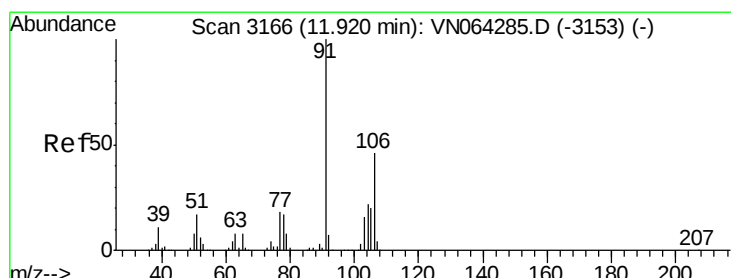
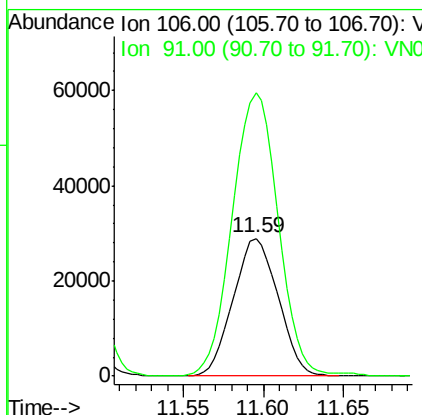
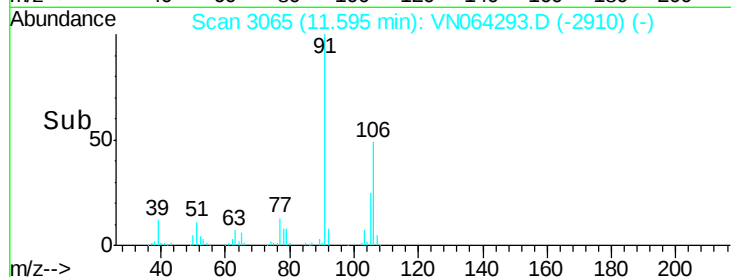
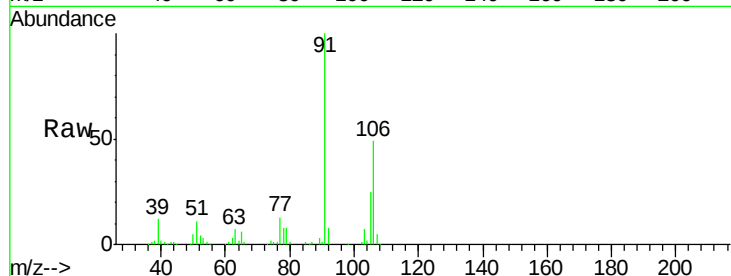
#67
m/p-Xylenes
Concen: 9.446 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

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

Tot Ion:106 Resp: 55586
Ion Ratio Lower Upper
106 100
91 209.3 170.6 255.8

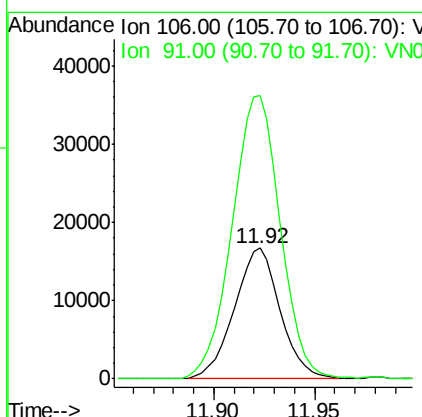
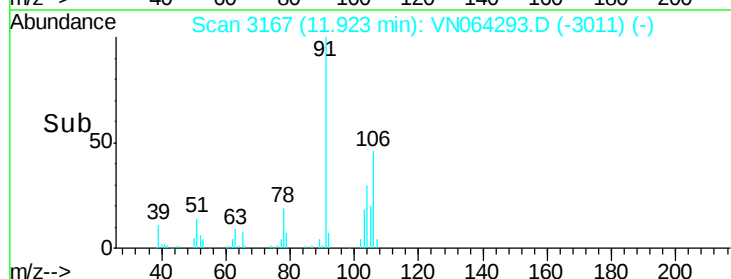
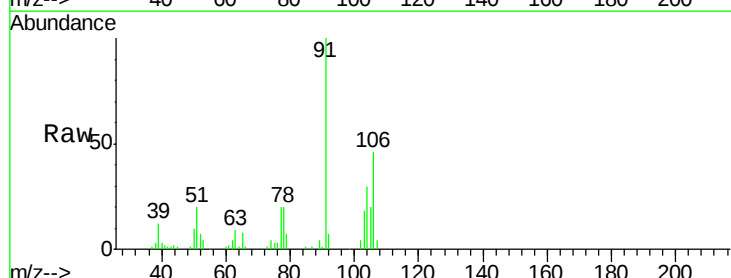
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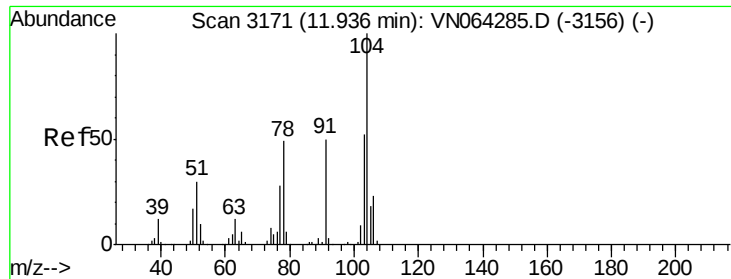
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#68
o-Xylene
Concen: 4.654 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

Tgt Ion:106 Resp: 26594
Ion Ratio Lower Upper
106 100
91 227.8 115.3 346.0





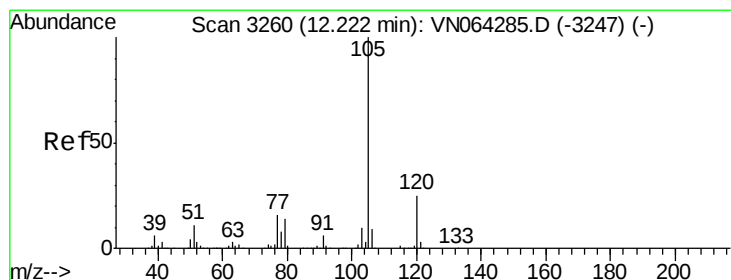
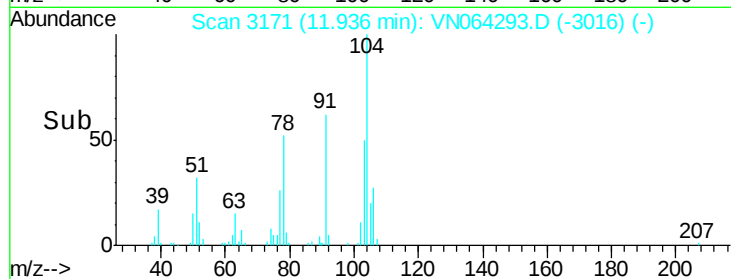
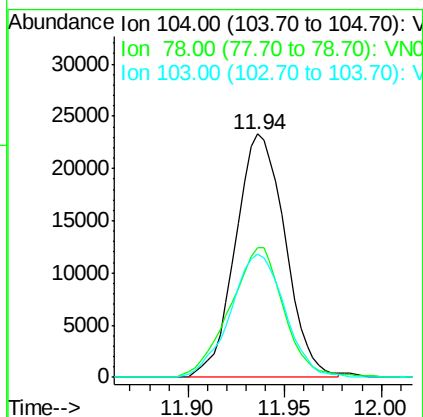
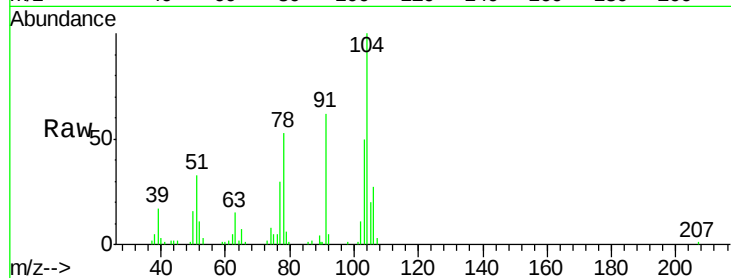
#69
Stvrene
Concen: 4.371 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

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

Tot Ion	Ratio	Lower	Upper
104	100		
78	58.3	45.4	68.2
103	55.4	44.6	67.0

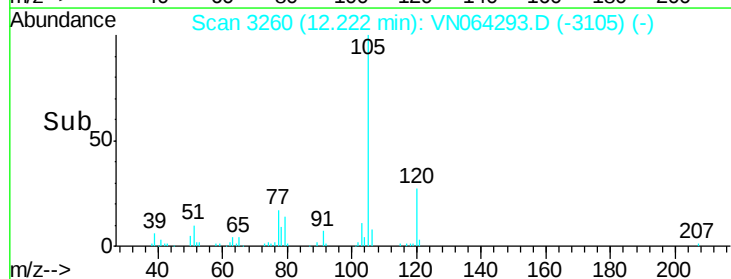
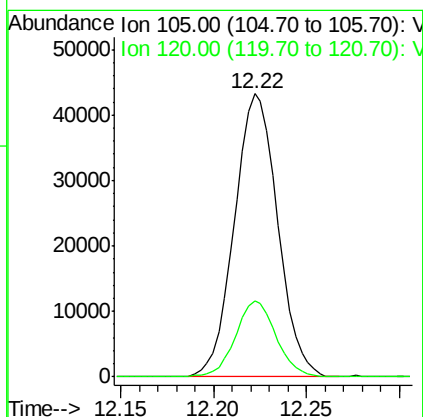
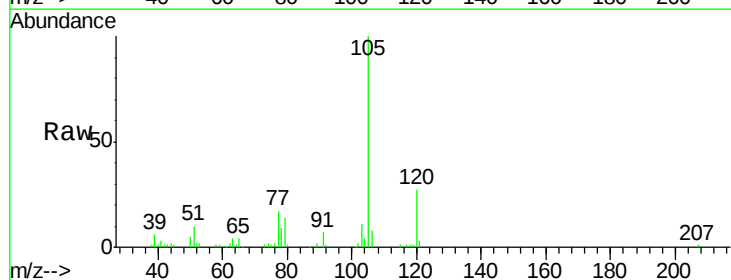
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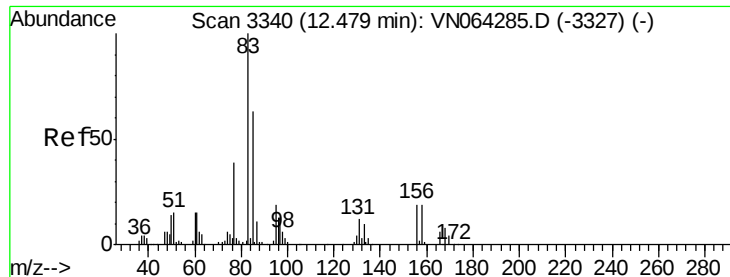
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#70
Isopropylbenzene
Concen: 4.640 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.1	18.6	34.5





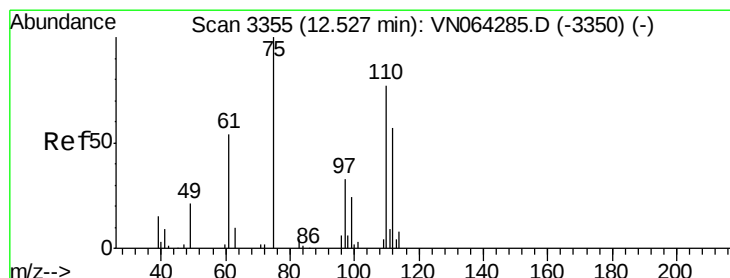
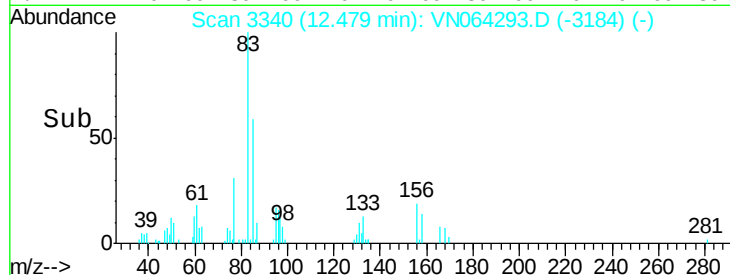
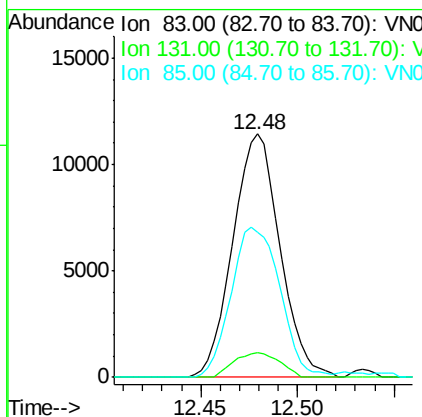
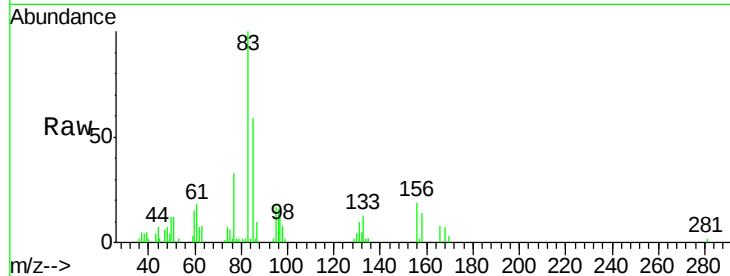
#71
 1,1,2,2-Tetrachloroethane
 Concen: 4.785 ug/l
 RT: 12.48 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

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

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.7	17.0
85	63.9	33.3	99.8

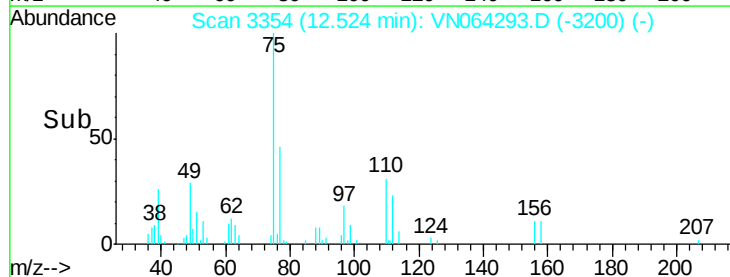
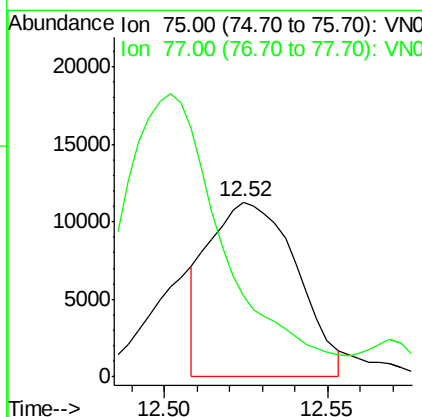
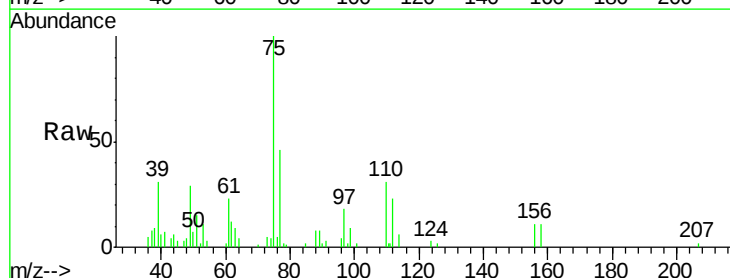
Manual Integrations
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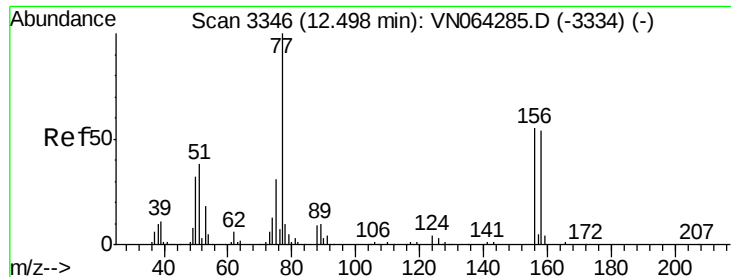
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 10/26/2020 1:39:10 PM



#72
 1,2,3-Trichloropropane
 Concen: 5.027 ug/l m
 RT: 12.52 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	189.3	0.0	365.2





#73

Bromobenzene

Concen: 5.105 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN064293.D

Acq: 23 Oct 2020 18:06

Instrument :

MSVOA_N

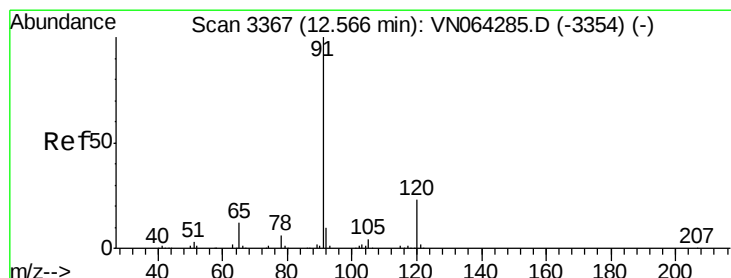
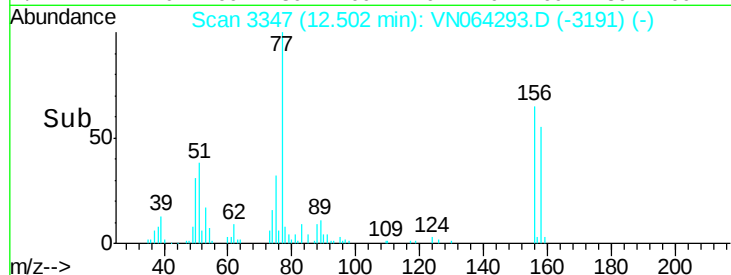
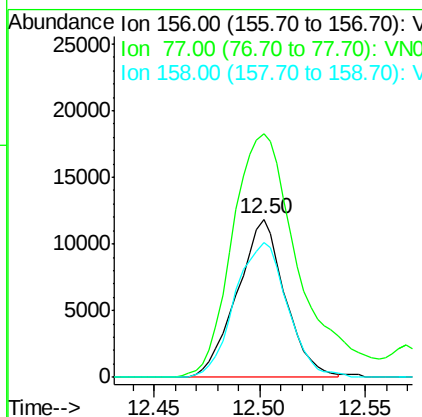
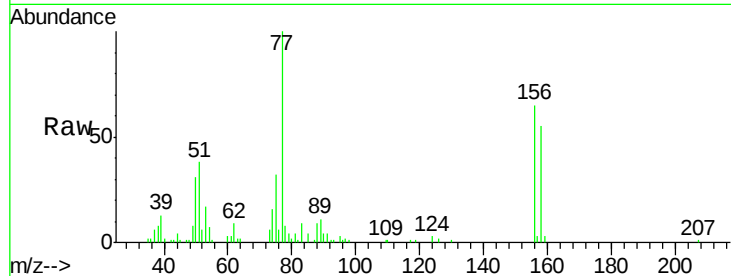
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
156	100		
77	213.4	0.0	450.2
158	93.3	0.0	194.8

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#74

n-propylbenzene

Concen: 4.449 ug/l

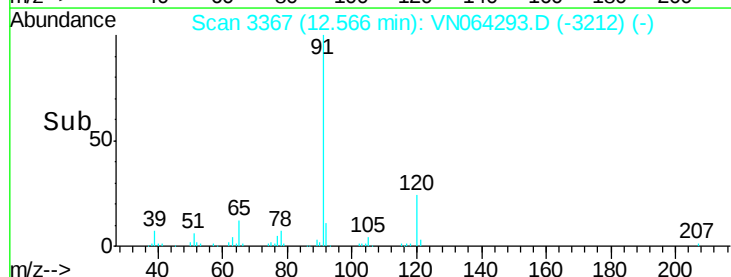
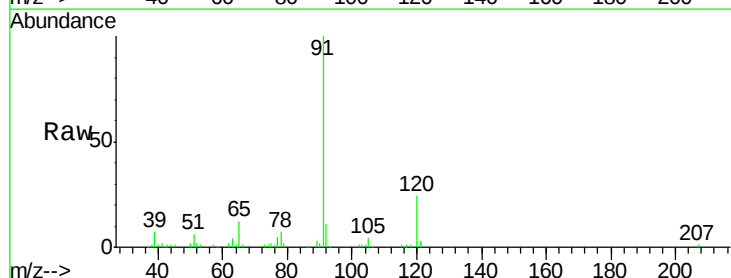
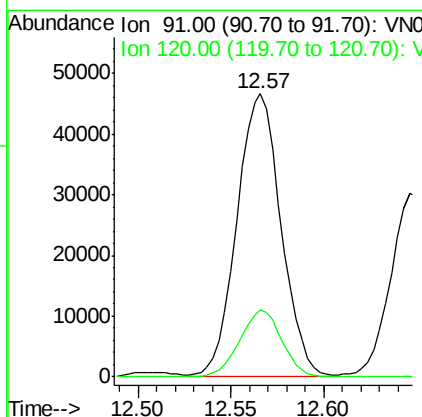
RT: 12.57 min Scan# 3367

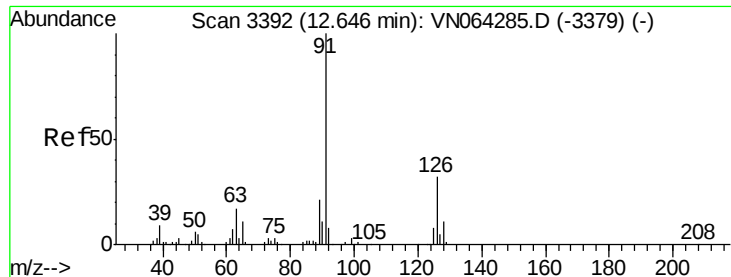
Delta R.T. -0.00 min

Lab File: VN064293.D

Acq: 23 Oct 2020 18:06

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	0.0	43.6





#75

2-Chlorotoluene

Concen: 4.782 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064293.D

Acq: 23 Oct 2020 18:06

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 91 Resp: 51190

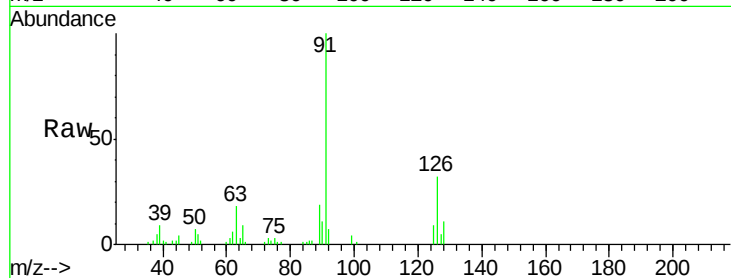
Ion Ratio Lower Upper

91 100

126 33.3 0.0 62.8

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10/26/2020 1:39:10 PM



Abundance Ion 91.00 (90.70 to 91.70): VN064285.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN064285.D (-3379) (-)

50000

40000

30000

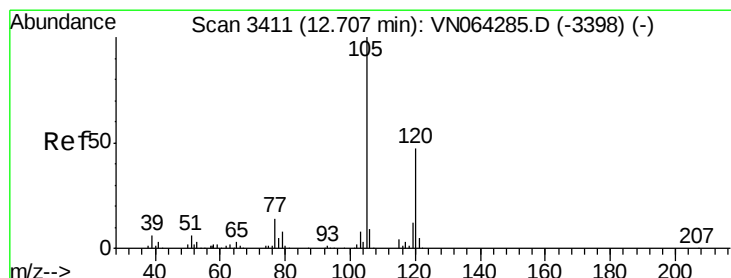
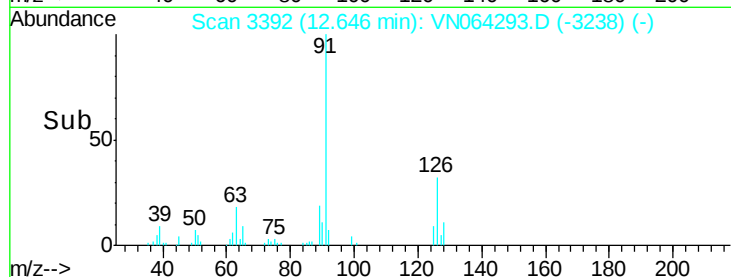
20000

10000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 4.574 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064293.D

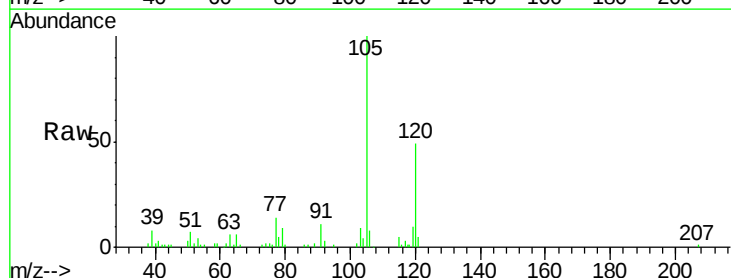
Acq: 23 Oct 2020 18:06

Tgt Ion: 105 Resp: 58568

Ion Ratio Lower Upper

105 100

120 46.5 0.0 92.8



Abundance Ion 105.00 (104.70 to 105.70): VN064285.D (-3398) (-)

Ion 120.00 (119.70 to 120.70): VN064285.D (-3398) (-)

40000

30000

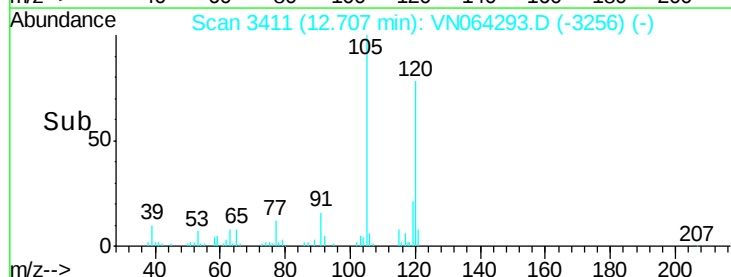
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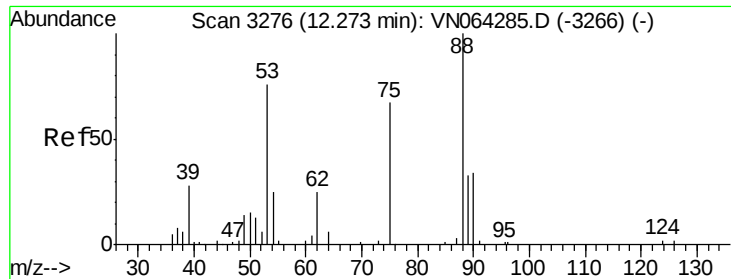
10000

0

12.65 12.70 12.75

Time-->





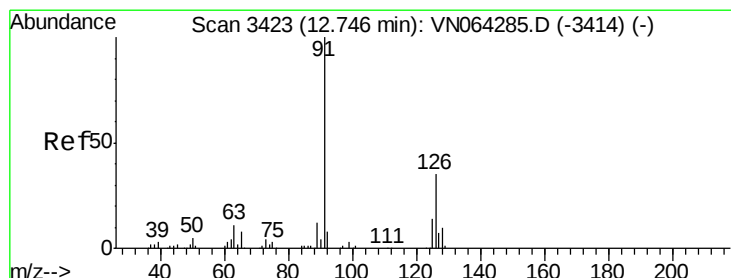
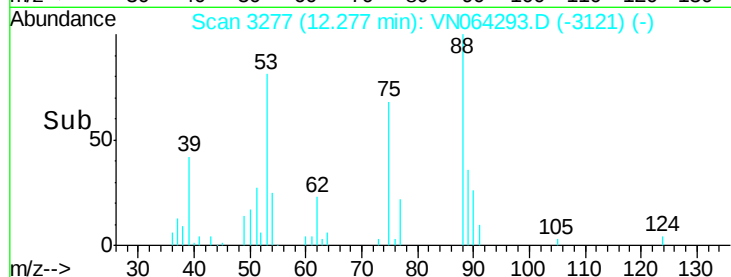
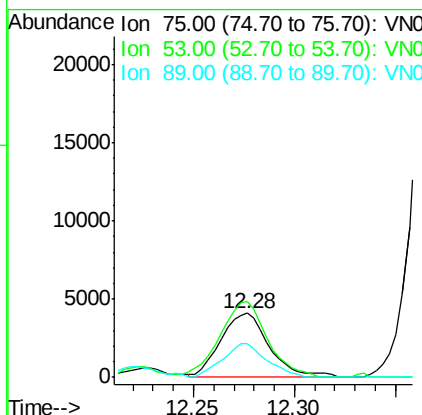
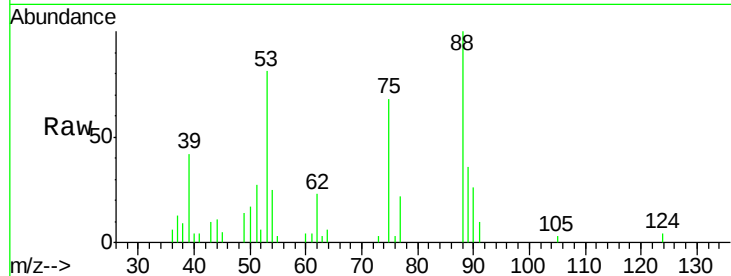
#77
t-1,4-Dichloro-2-butene
Concen: 4.227 ug/l
RT: 12.28 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

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

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.2	44.8	134.3
89	52.6	22.2	66.6

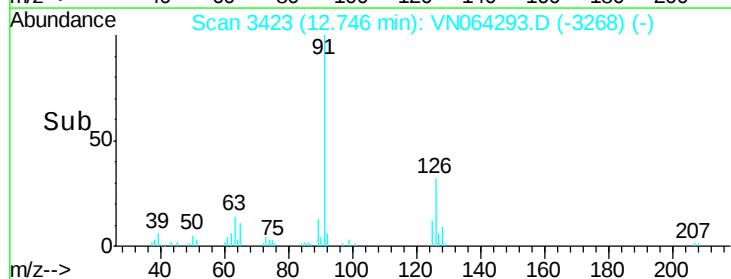
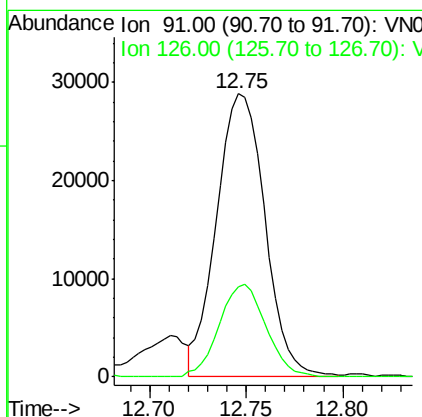
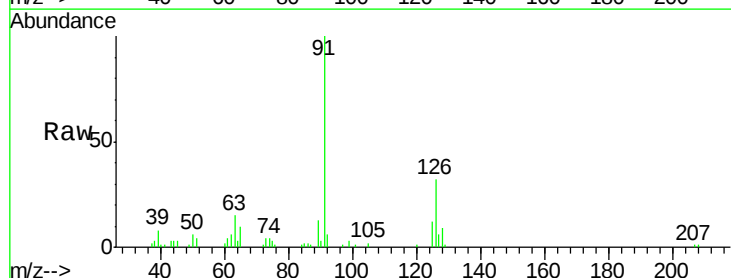
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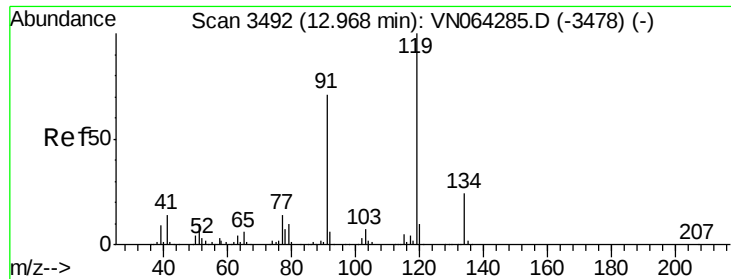
MMDadoda
10/26/2020 1:39:10 PM



#78
4-Chlorotoluene
Concen: 4.510 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	0.0	62.2





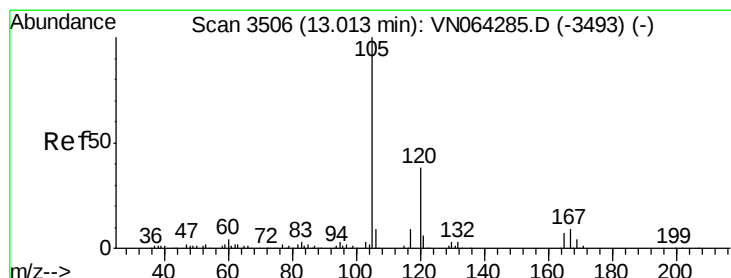
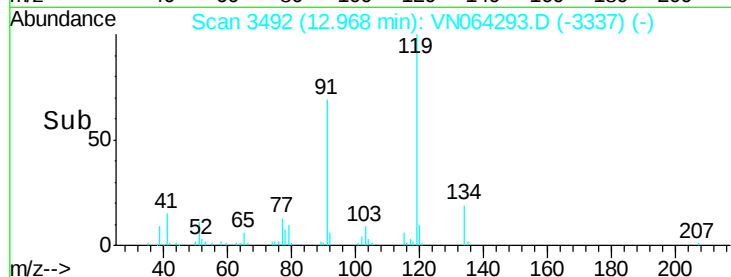
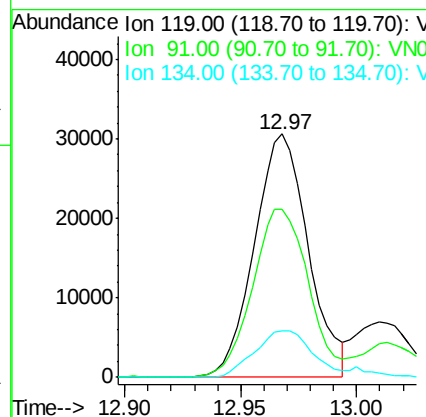
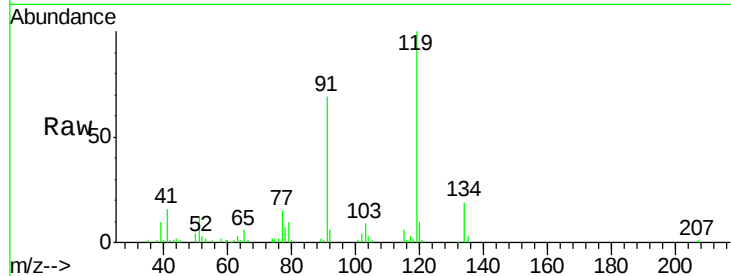
#79
tert-butylbenzene
Concen: 4.741 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	49610		
91	71.5		0.0	140.0
134	20.5		0.0	45.8

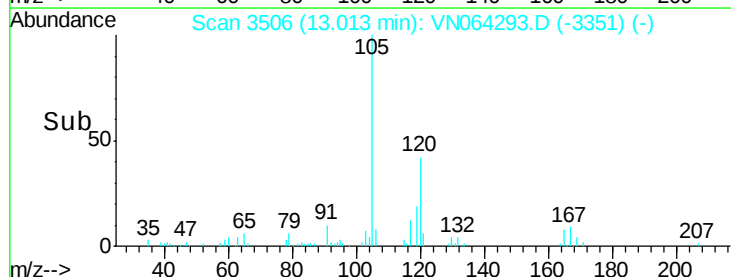
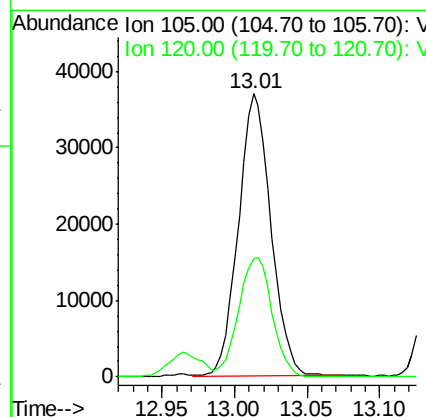
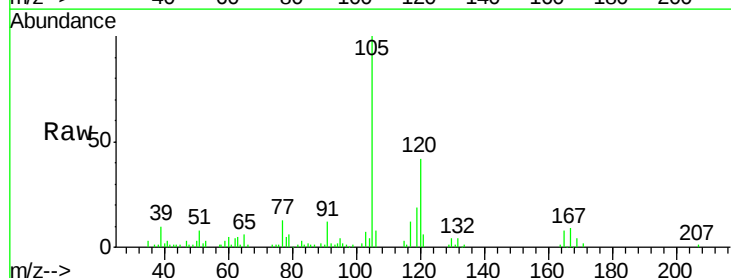
Manual Integrations
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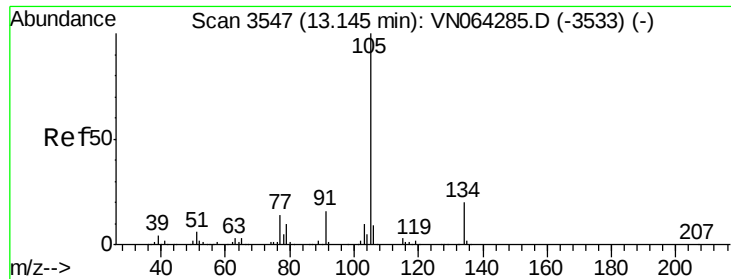
MMDadoda
10/26/2020 1:39:10 PM



#80
1,2,4-Trimethylbenzene
Concen: 4.420 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	57440		
120	43.6		0.0	87.4





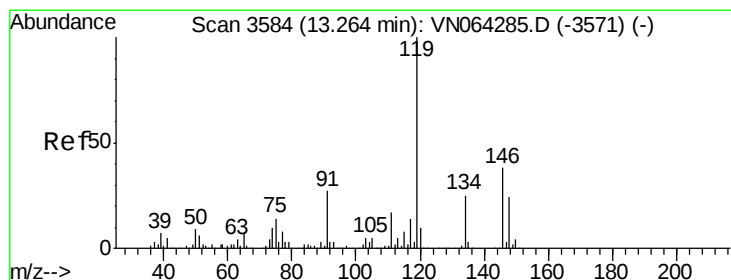
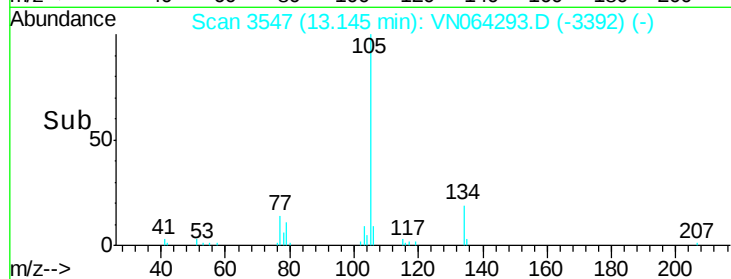
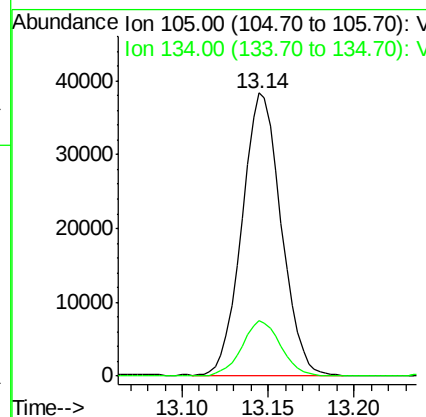
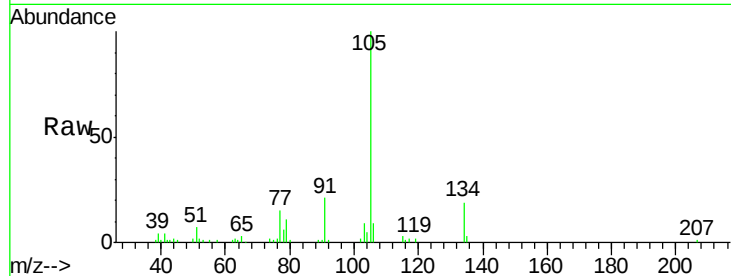
#81
 sec-Butylbenzene
 Concen: 4.493 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

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

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	0.0	36.8

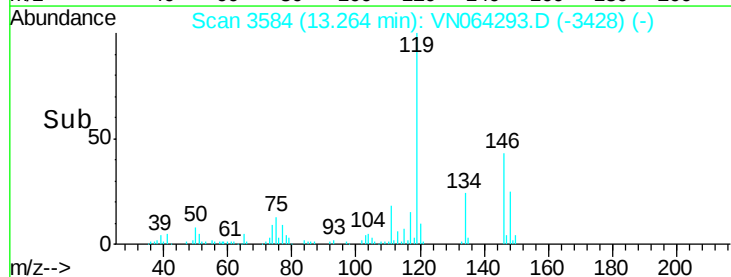
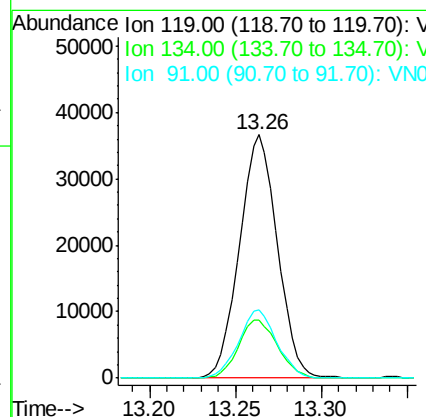
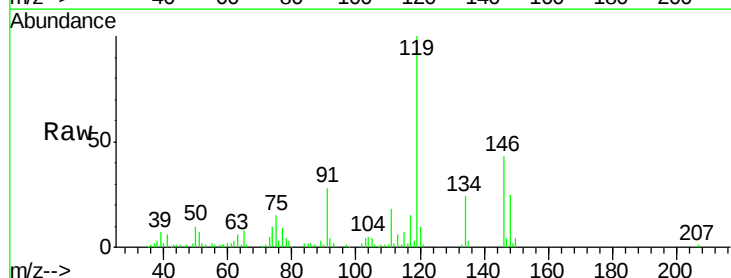
Manual Integrations
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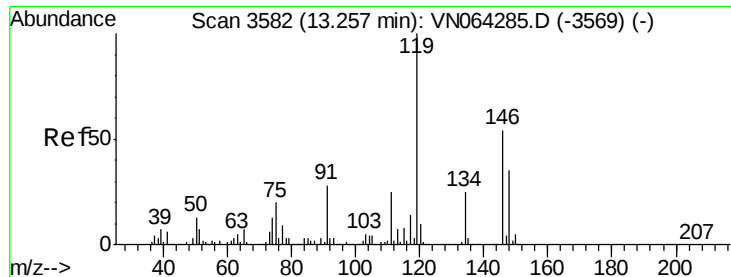
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 10/26/2020 1:39:10 PM



#82
 p-Isopropyltoluene
 Concen: 4.508 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.6	0.0	47.8
91	27.9	0.0	55.8





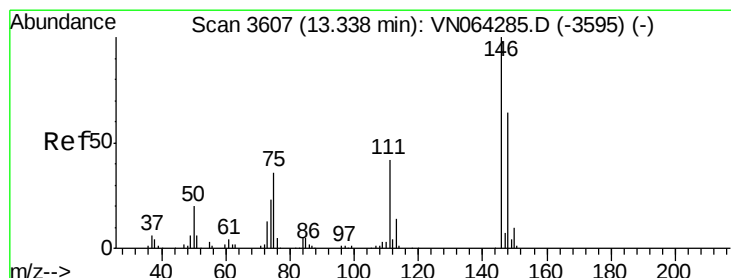
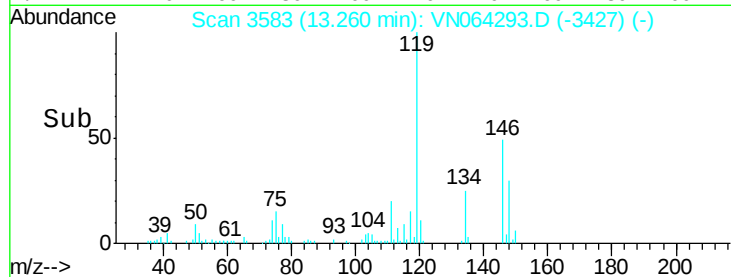
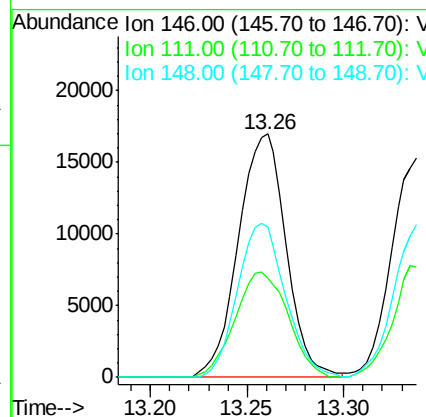
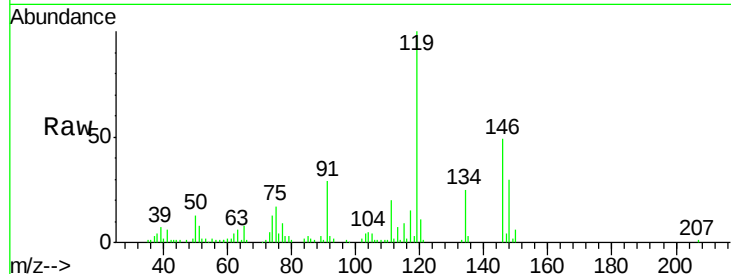
#83
 1,3-Dichlorobenzene
 Concen: 4.500 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.9	22.1	66.5
148	63.5	31.9	95.5

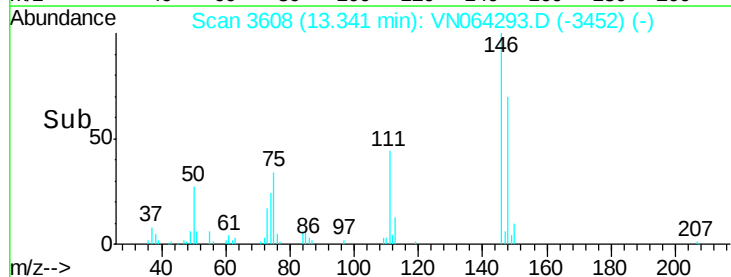
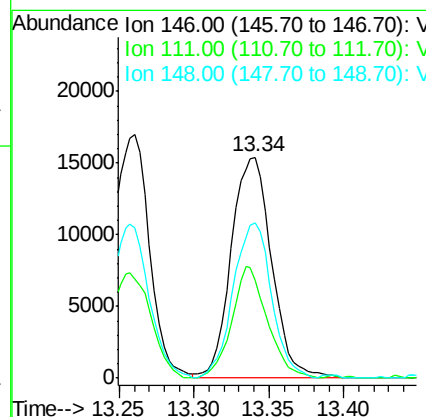
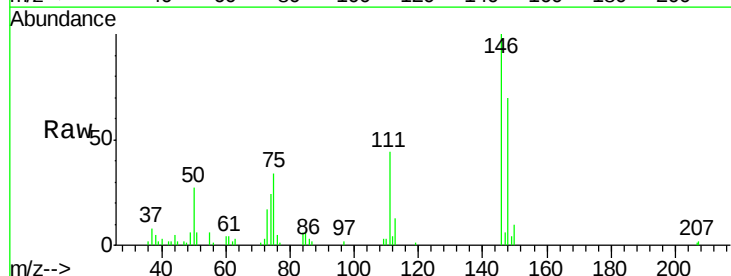
Manual Integrations
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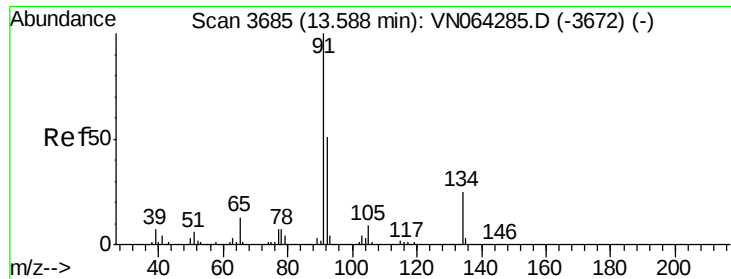
MMDadoda
 10/26/2020 1:39:10 PM



#84
 1,4-Dichlorobenzene
 Concen: 4.396 ug/l
 RT: 13.34 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	20.3	61.0
148	66.6	31.4	94.3





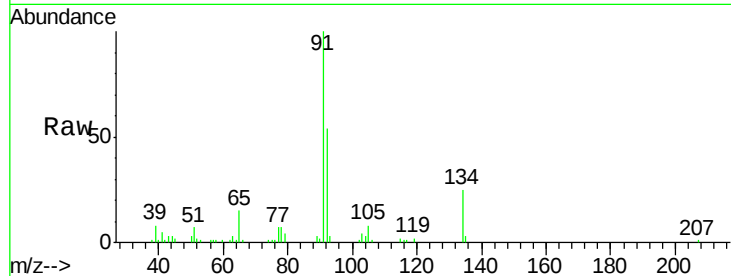
#85
n-Butylbenzene
Concen: 4.409 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.4	0.0	110.0
134	24.2	0.0	51.6

Manual Integrations
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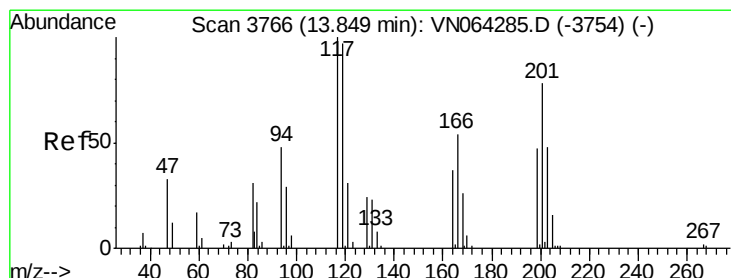
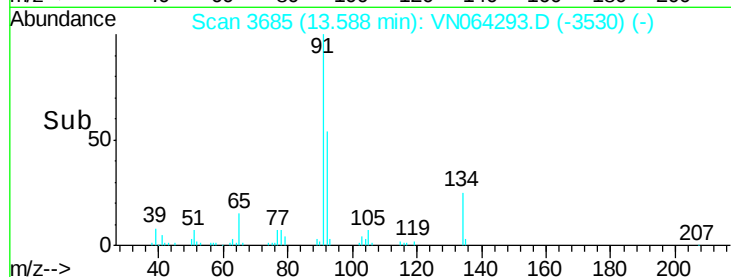
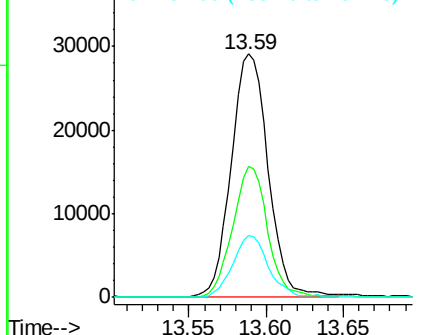


Abundance

Ion 91.00 (90.70 to 91.70): VN064285.D (-3672) (-)

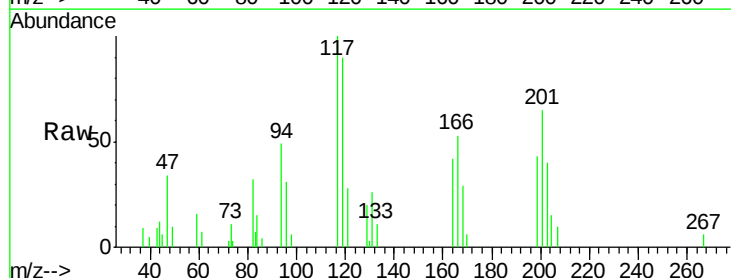
Ion 92.00 (91.70 to 92.70): VN064285.D (-3672) (-)

Ion 134.00 (133.70 to 134.70): VN064285.D (-3672) (-)



#86
Hexachloroethane
Concen: 4.423 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

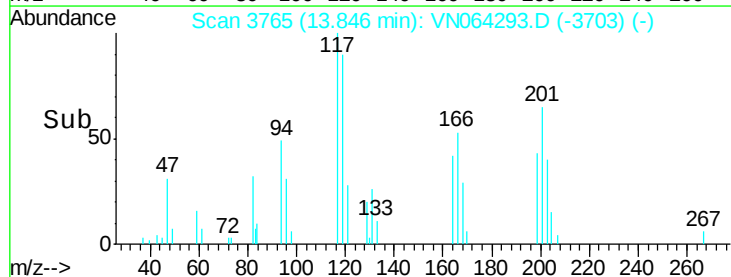
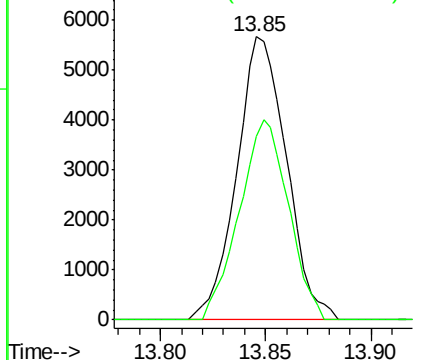
Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.6	37.2	111.6

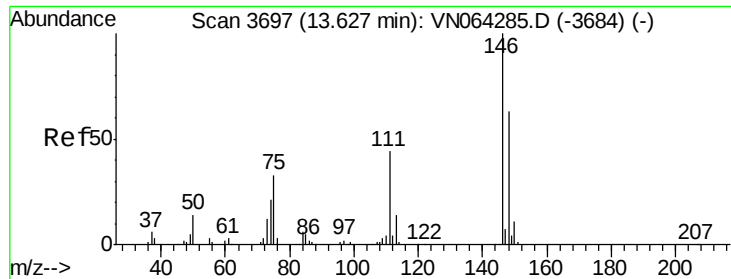


Abundance

Ion 117.00 (116.70 to 117.70): VN064285.D (-3754) (-)

Ion 201.00 (200.70 to 201.70): VN064285.D (-3754) (-)





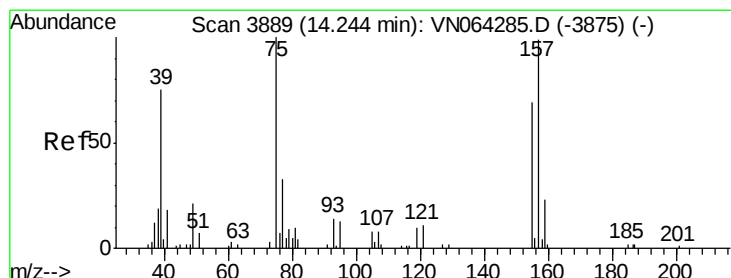
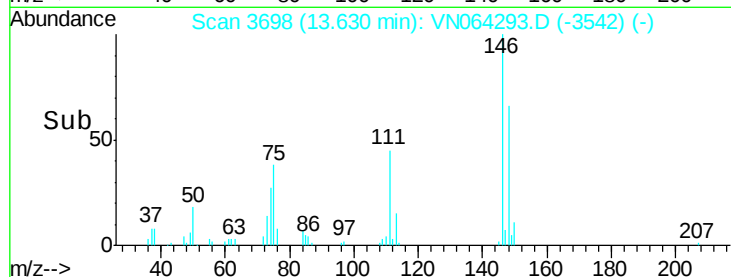
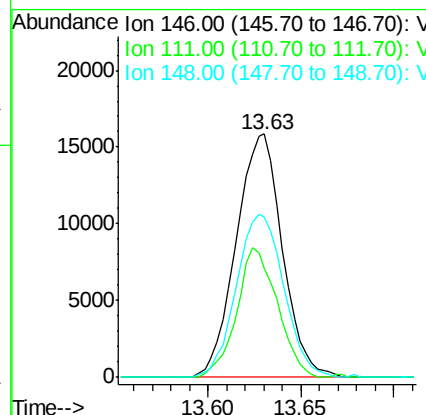
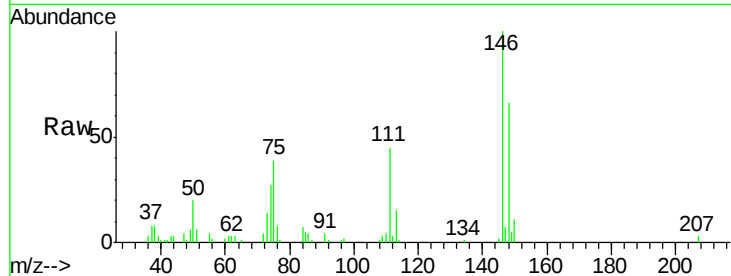
#87
 1,2-Dichlorobenzene
 Concen: 4.332 ug/l
 RT: 13.63 min Scan# 3698
 Delta R.T. 0.00 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.1	69.3
148	68.9	32.3	96.8

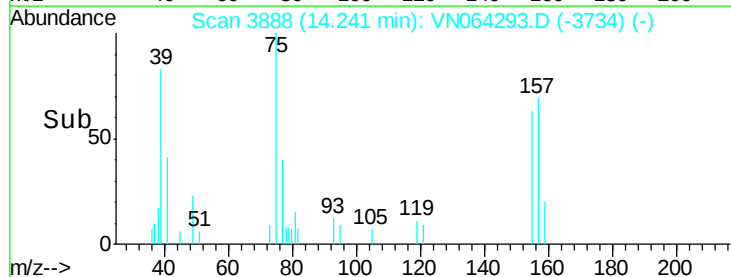
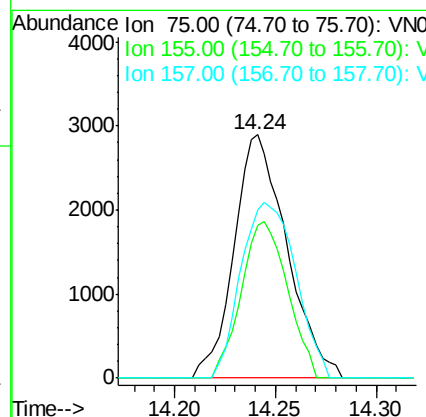
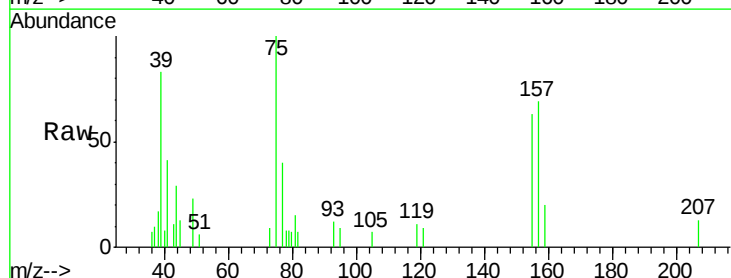
Manual Integrations
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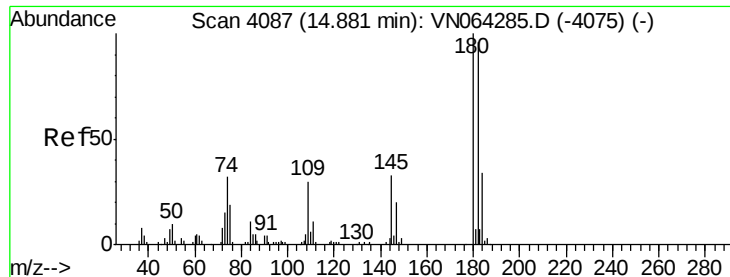
MMDadoda
 10/26/2020 1:39:10 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 5.361 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	56.4	56.6	84.8#
157	75.1	70.1	105.1





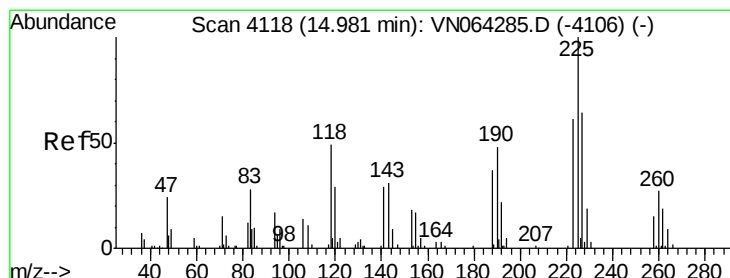
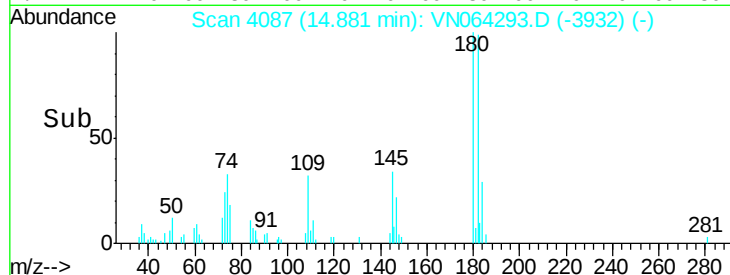
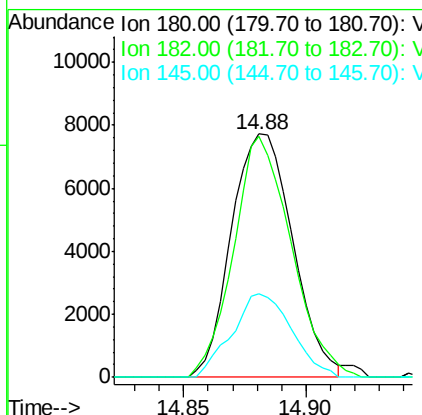
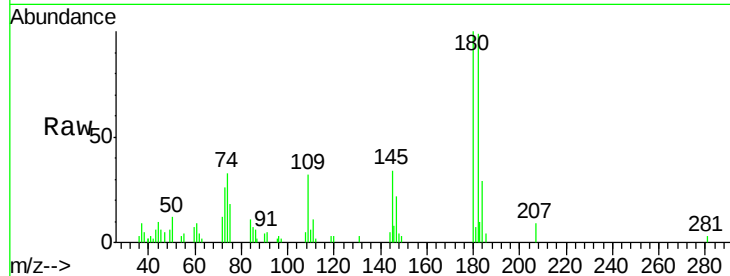
#89
 1,2,4-Trichlorobenzene
 Concen: 3.739 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	71.3	106.9
145	33.4	23.9	35.9

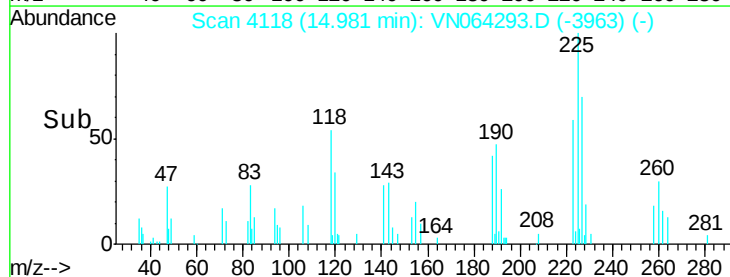
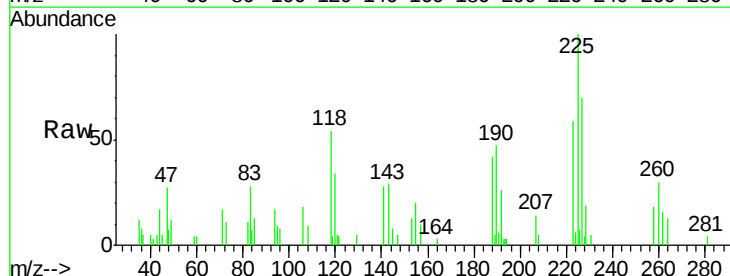
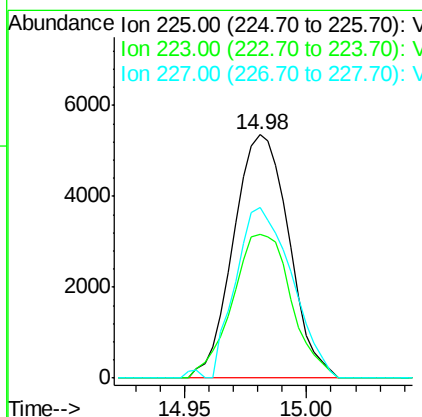
Manual Integrations
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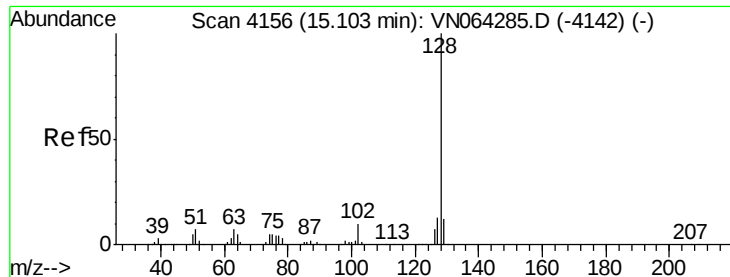
MMDadoda
 10/26/2020 1:39:10 PM



#90
 Hexachlorobutadiene
 Concen: 4.278 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	0.0	129.8
227	71.2	0.0	128.6





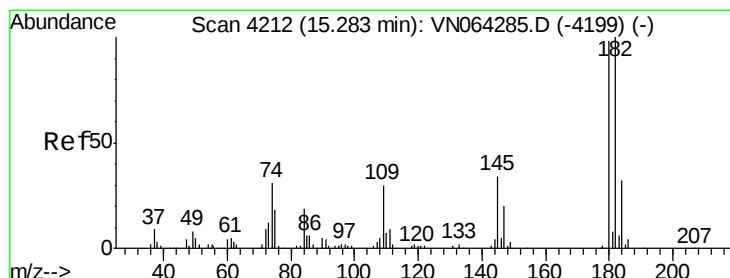
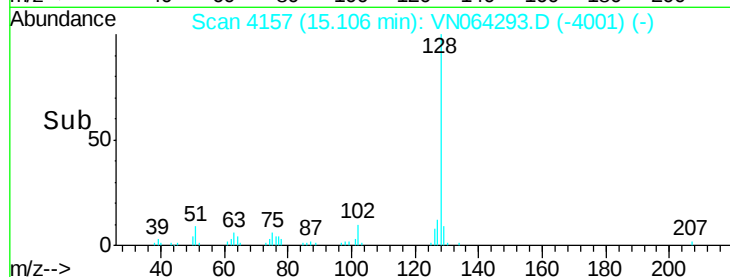
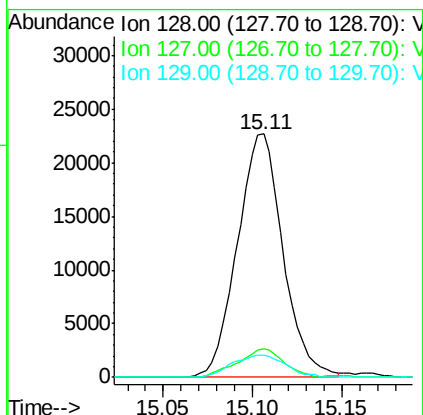
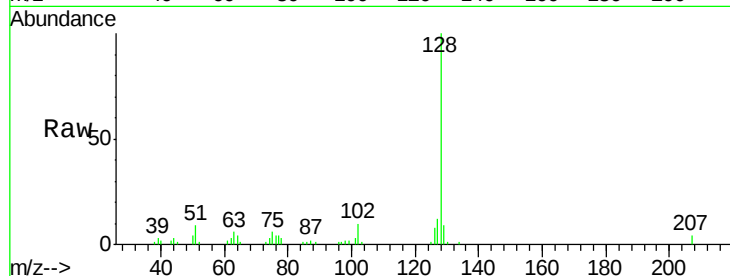
#91
Naphthalene
Concen: 3.840 ug/l
RT: 15.11 min Scan# 4157
Delta R.T. 0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.8	9.9	14.9
129	10.7	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:39:10 PM



#92
1,2,3-Trichlorobenzene
Concen: 3.769 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.3	0.0	188.8
145	36.4	0.0	70.0

