

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

Quant Time: Oct 26 02:27:56 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	6947	2.648 ug/l #	19
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	11272	3.832 ug/l	91
13) Acrolein	3.73	56	101	0.418 ug/l	88
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	4.50	84	6967	2.369 ug/l #	96
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	15258	2.784 ug/l	98
22) cis-1,2-Dichloroethene	6.78	96	16639	5.072 ug/l	97
23) tert-Butyl Alcohol	4.72	59	5970	11.310 ug/l #	100
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	7.12	41	6686	3.242 ug/l	89
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
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	29583	7.030	ug/l	67
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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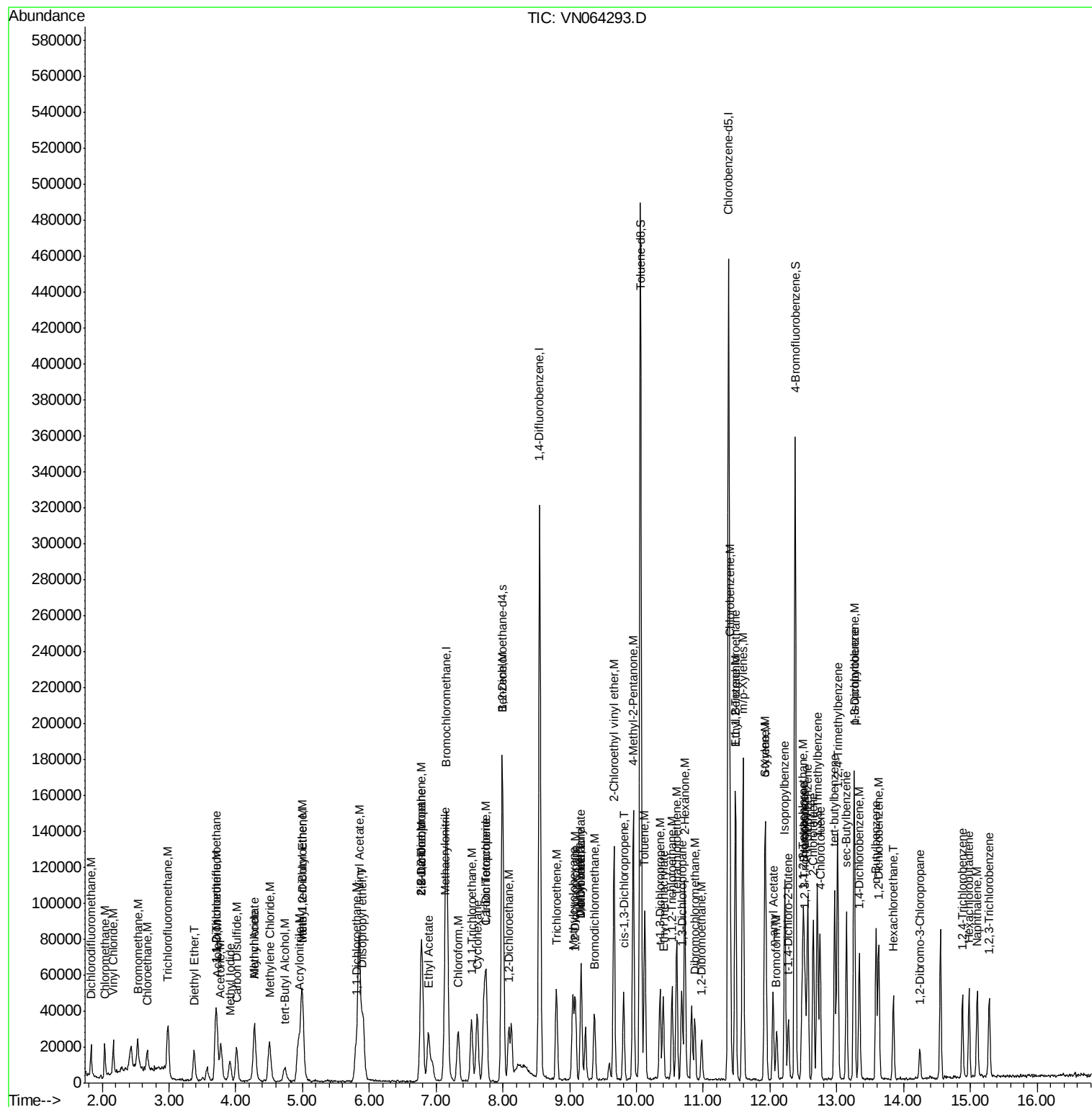
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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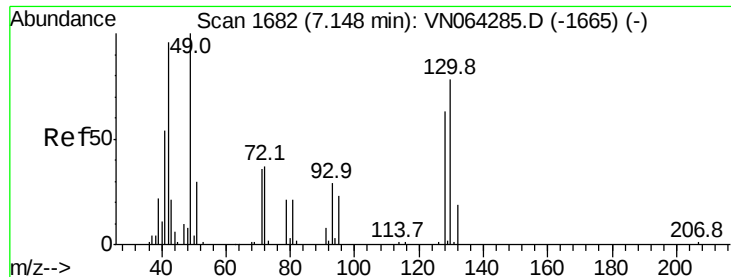
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
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Quant Time: Oct 26 02:27:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102320W.M
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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

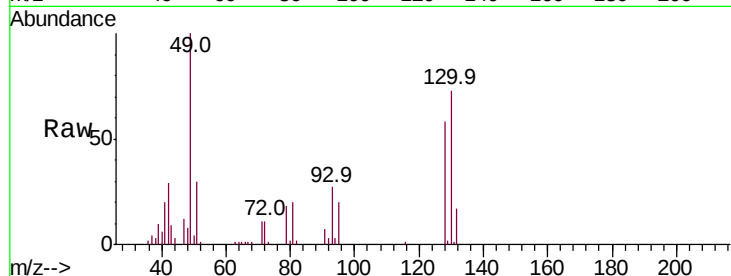
Tot Ion:128 Resp: 45080

Ion Ratio Lower Upper

128 100

49 185.0 0.0 445.0

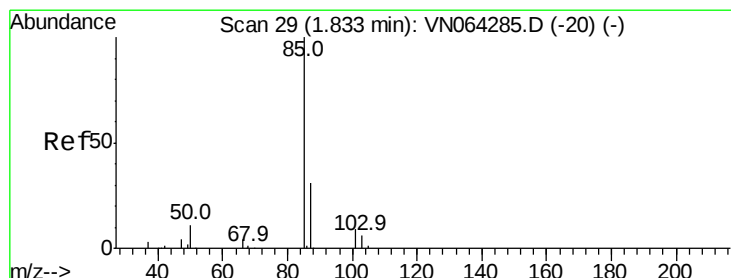
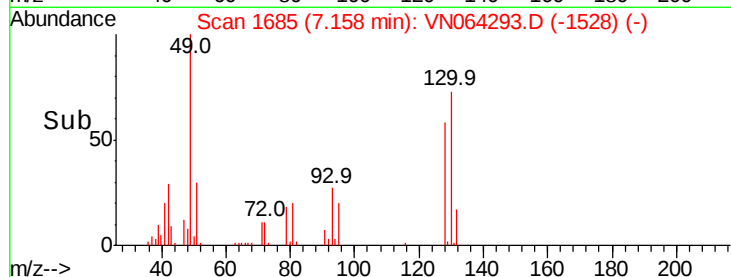
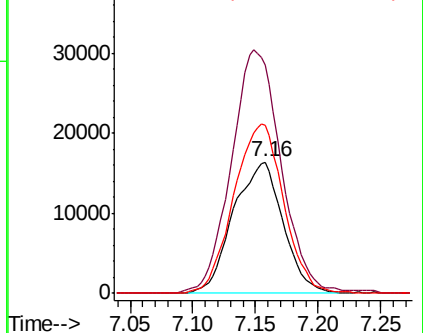
130 129.2 0.0 320.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 4.277 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064293.D

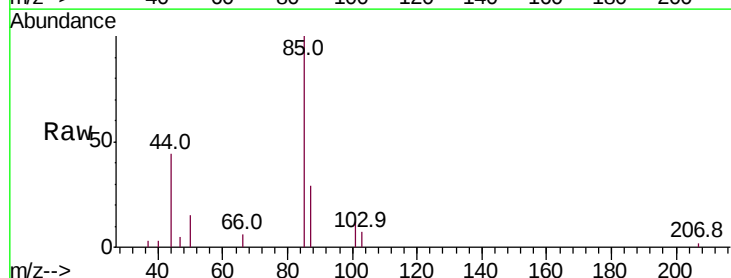
Acq: 23 Oct 2020 18:06

Tgt Ion: 85 Resp: 12544

Ion Ratio Lower Upper

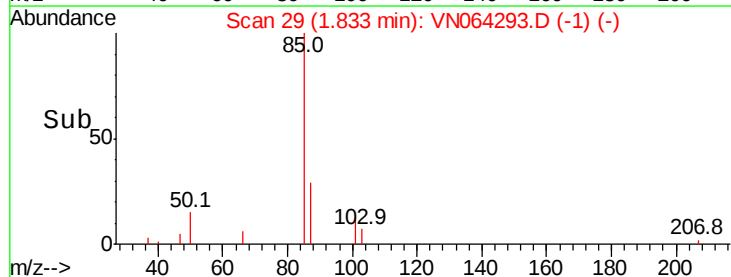
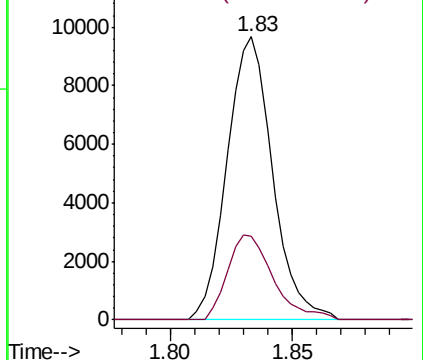
85 100

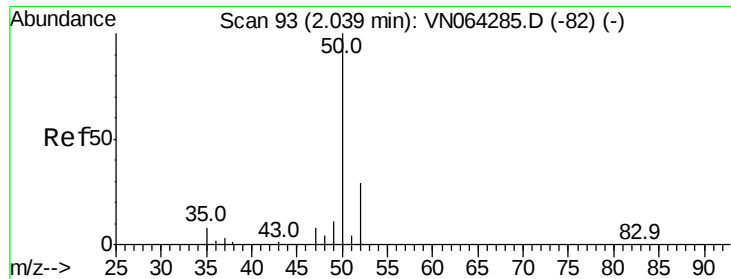
87 29.4 16.4 49.2



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#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 :

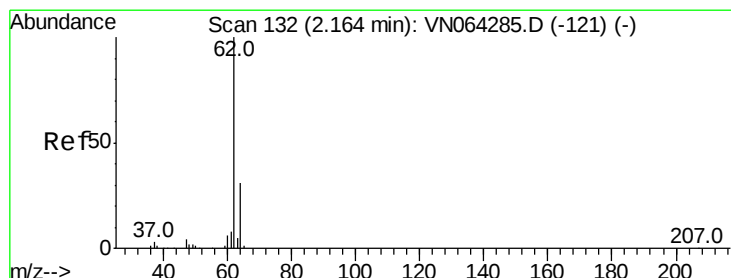
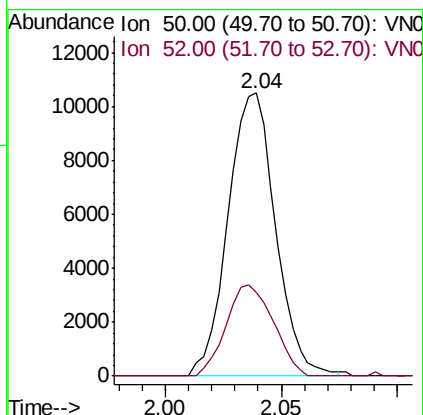
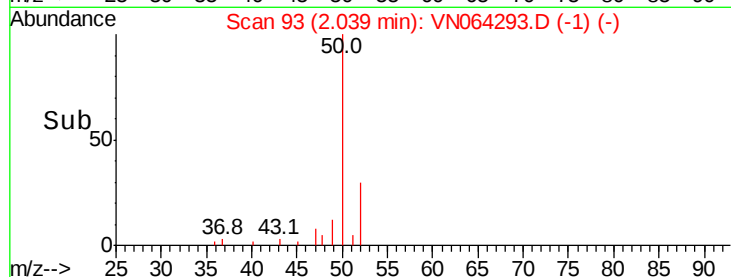
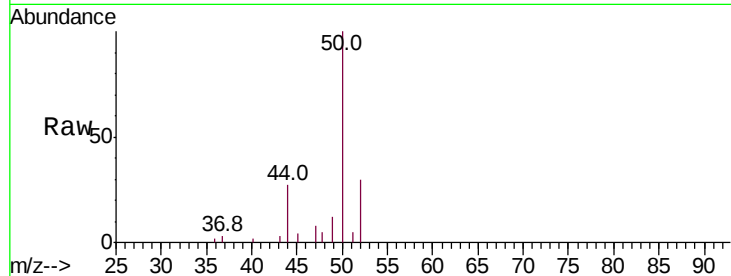
LOQ-WATER-02-QT4-2020

Tot Ion: 50 Resp: 14941

Ion Ratio Lower Upper

50 100

52 29.5 27.1 40.7



#4

Vinyl Chloride

Concen: 4.567 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064293.D

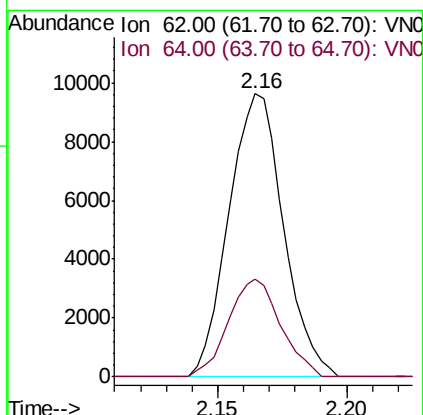
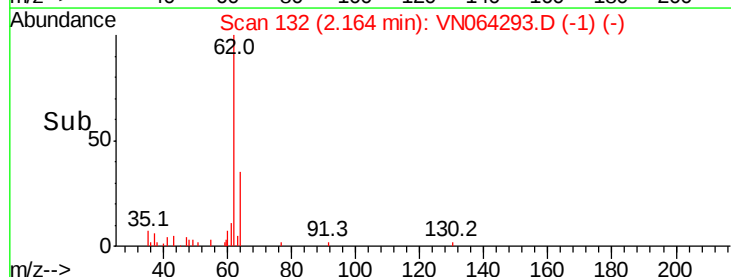
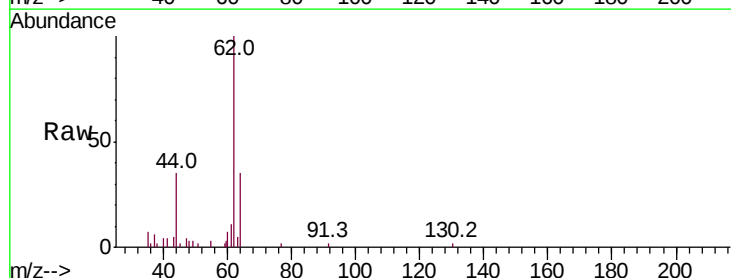
Acq: 23 Oct 2020 18:06

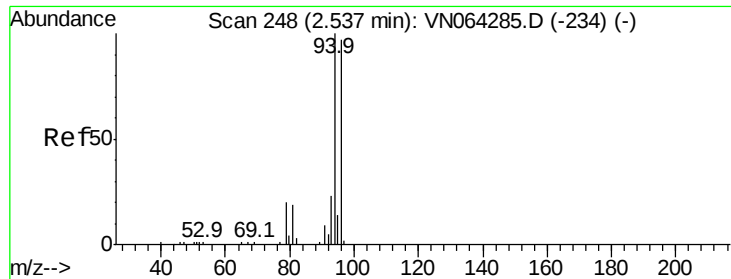
Tgt Ion: 62 Resp: 14211

Ion Ratio Lower Upper

62 100

64 34.7 26.6 39.8





#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 :

MSVOA_N

ClientSampleId :

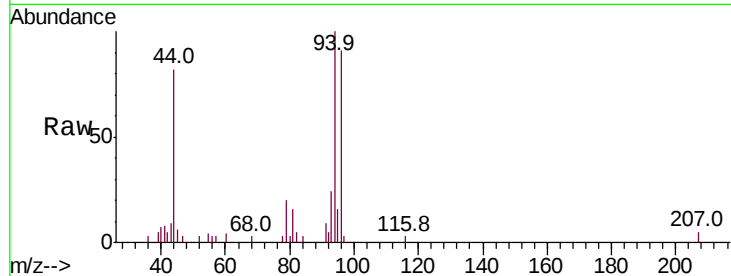
LOQ-WATER-02-QT4-2020

Tot Ion: 94 Resp: 10764

Ion Ratio Lower Upper

94 100

96 88.0 72.4 108.6



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

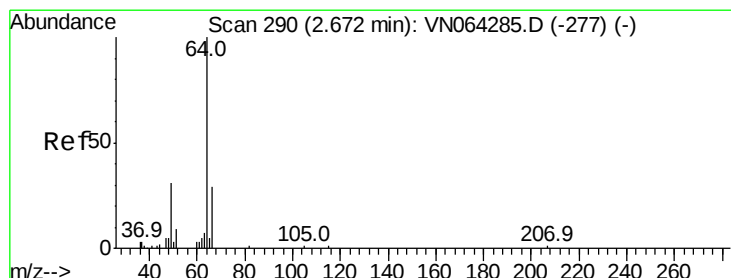
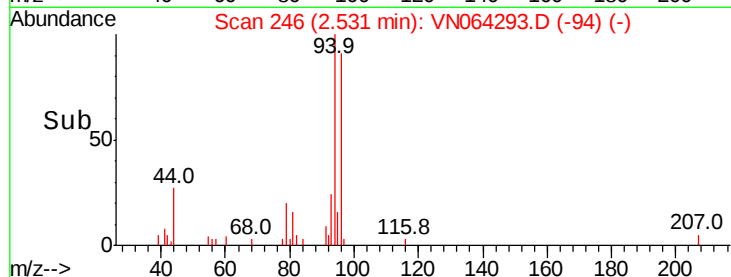
2000

1000

0

Time-->

2.50 2.55 2.60



#6

Chloroethane

Concen: 5.485 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064293.D

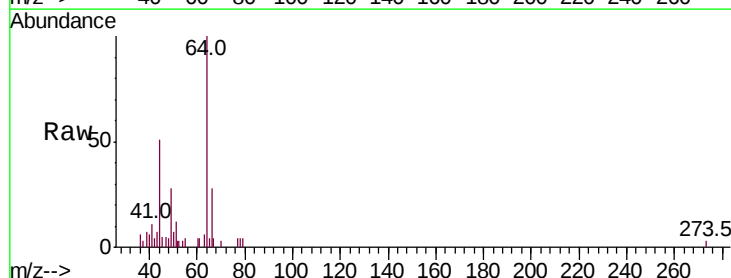
Acq: 23 Oct 2020 18:06

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

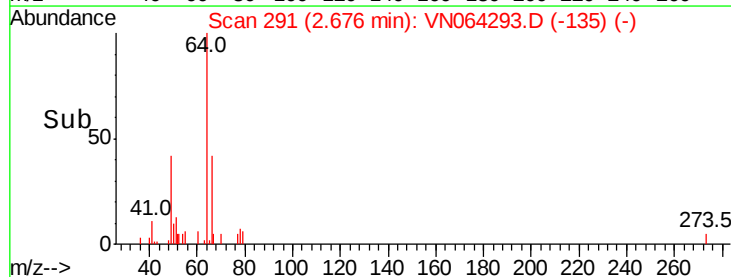
2000

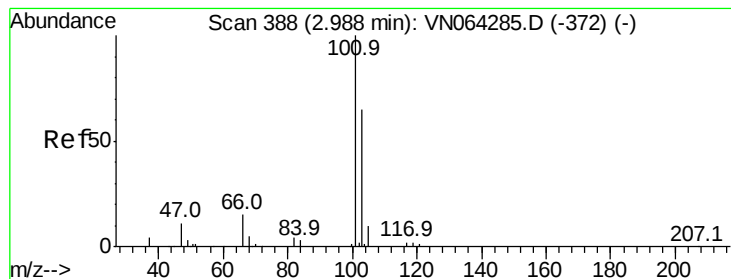
1000

0

Time-->

2.65 2.70



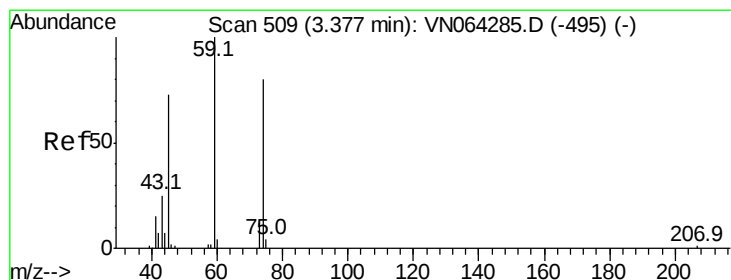
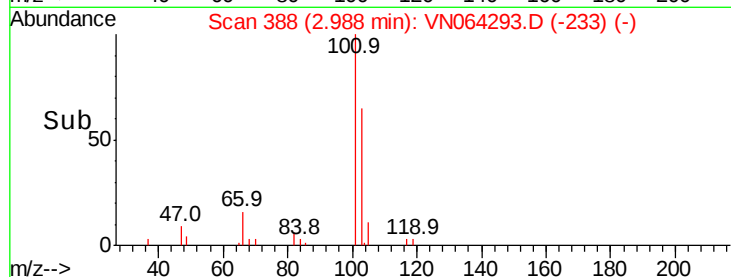
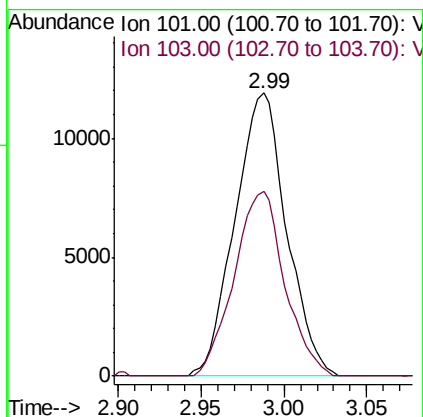
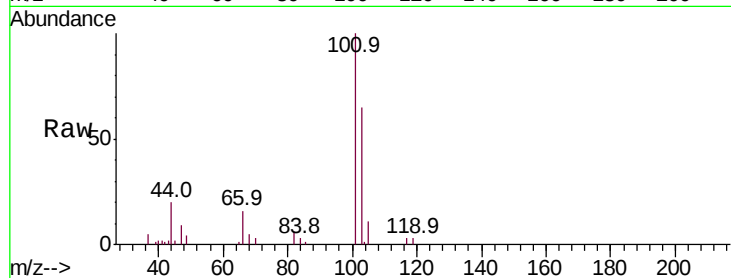


#7

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

Instrument :
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LOQ-WATER-02-QT4-2020

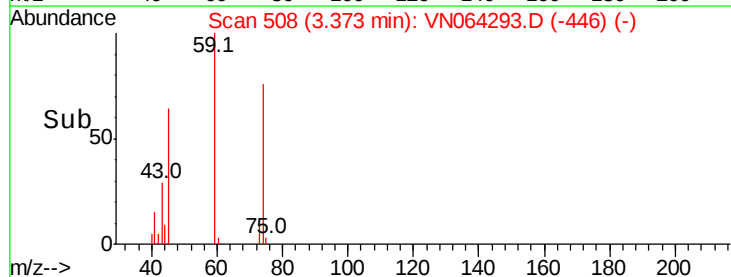
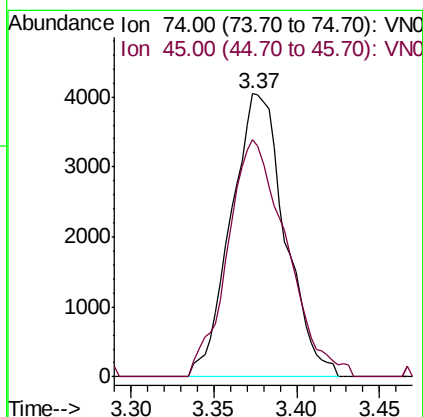
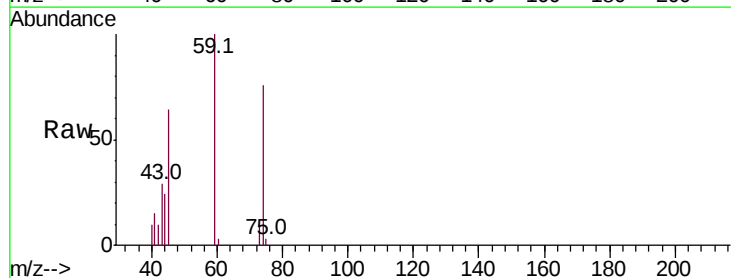
Tot Ion:101 Resp: 25731
Ion Ratio Lower Upper
101 100
103 65.4 51.4 77.0

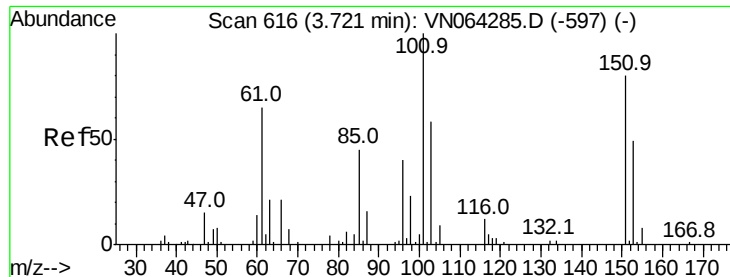


#8

Diethyl Ether
Concen: 5.271 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

Tgt Ion: 74 Resp: 9141
Ion Ratio Lower Upper
74 100
45 90.7 21.3 191.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.648 ug/l

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

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LOQ-WATER-02-QT4-2020

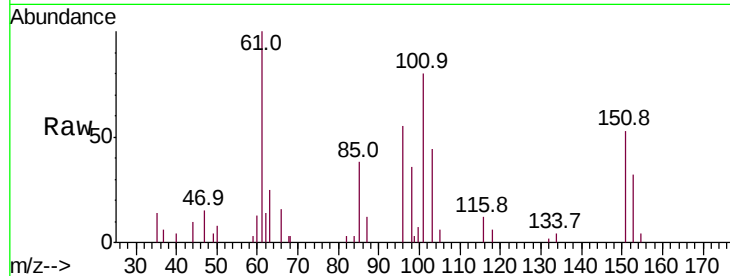
Tot Ion:101 Resp: 6947

Ion Ratio Lower Upper

101 100

85 56.6 0.0 47.4#

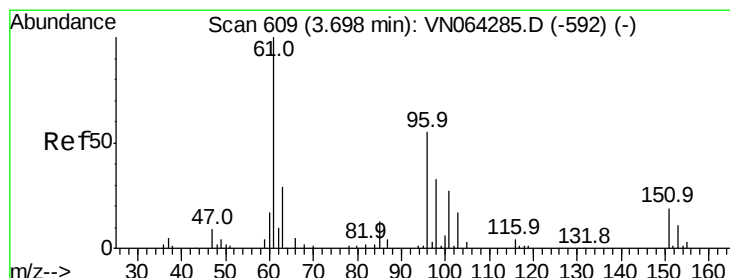
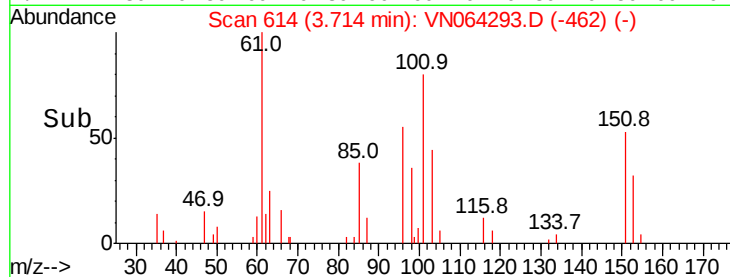
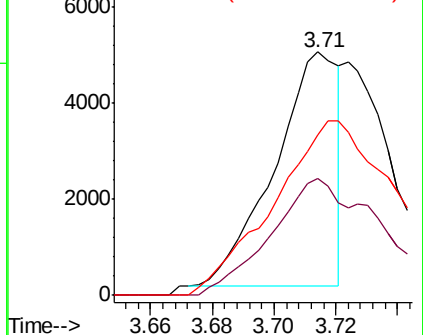
151 146.9 0.0 148.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#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

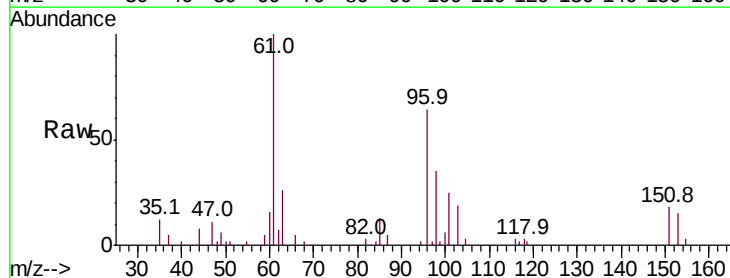
Tgt Ion: 96 Resp: 13384

Ion Ratio Lower Upper

96 100

61 152.2 144.2 216.4

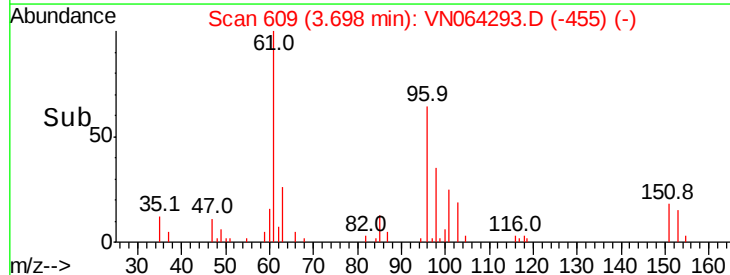
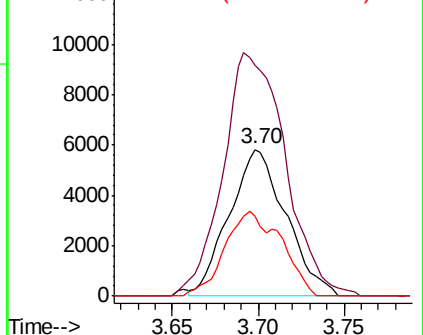
98 58.1 47.4 71.0

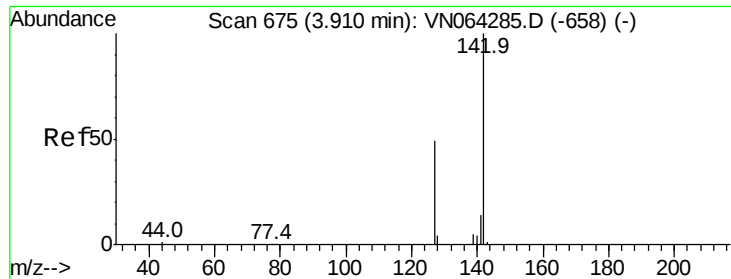


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

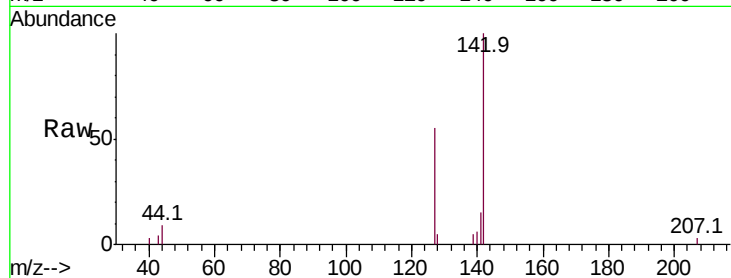




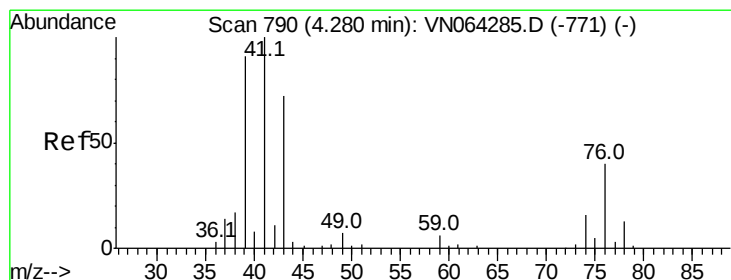
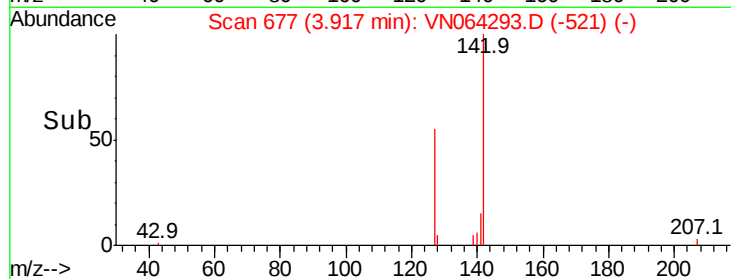
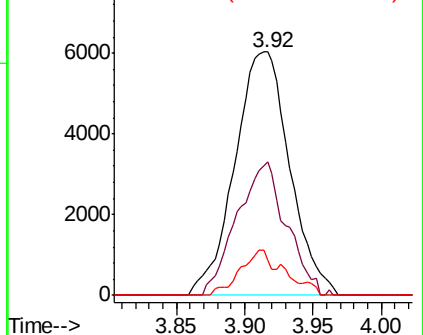
#11
Methvl Iodide
Concen: 4.683 ug/l
RT: 3.92 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

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

Tot Ion:142 Resp: 16881
Ion Ratio Lower Upper
142 100
127 54.6 25.9 77.8
141 14.6 7.5 22.6

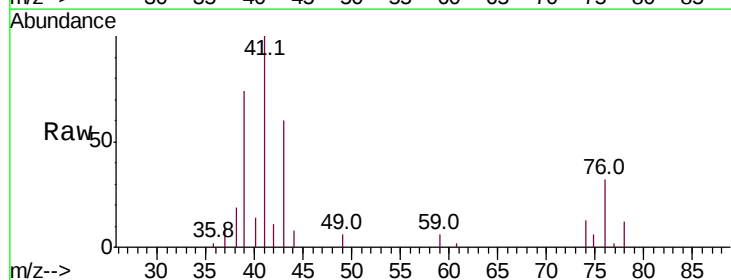


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

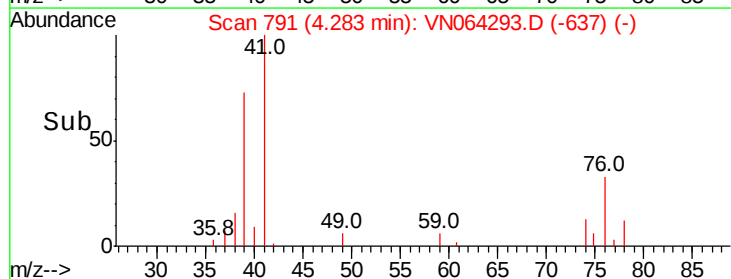
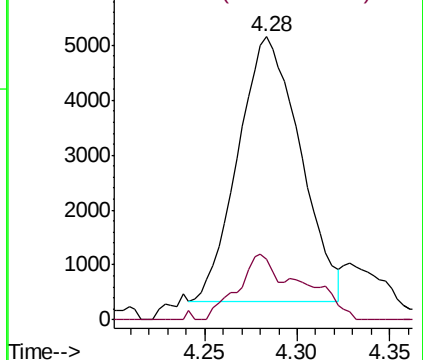


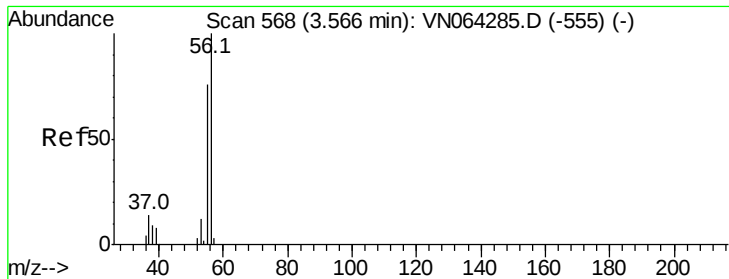
#12
Methyl Acetate
Concen: 3.832 ug/l
RT: 4.28 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

Tgt Ion: 43 Resp: 11272
Ion Ratio Lower Upper
43 100
74 19.2 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO





#13

Acrolein

Concen: 0.418 ug/l

RT: 3.73 min Scan# 619

Delta R.T. 0.16 min

Lab File: VN064293.D

Acq: 23 Oct 2020 18:06

Instrument :

MSVOA_N

ClientSampleId :

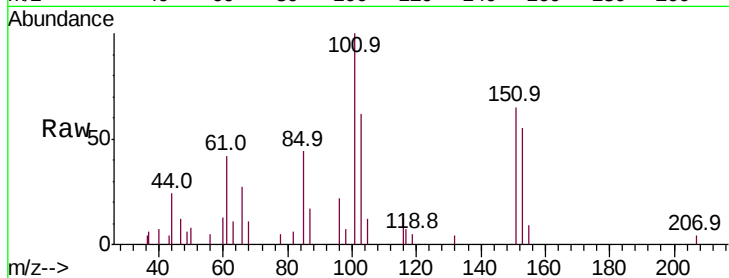
LOQ-WATER-02-QT4-2020

Tot Ion: 56 Resp: 101

Ion Ratio Lower Upper

56 100

55 66.3 61.0 91.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.73

200

150

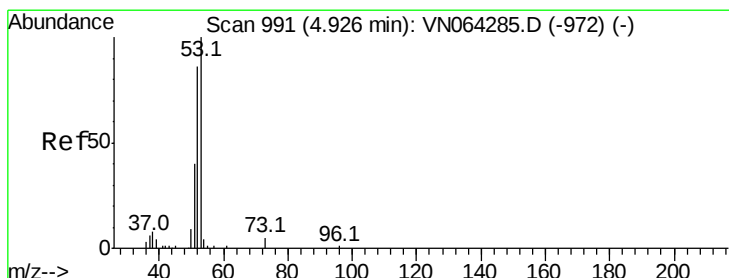
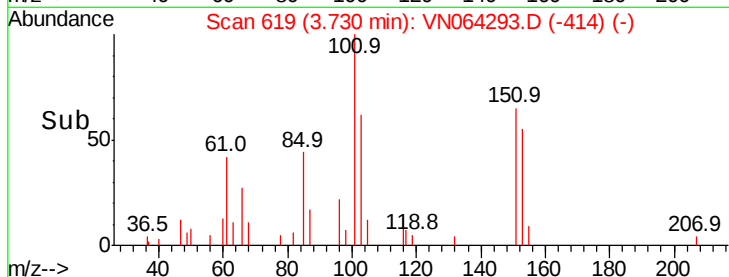
100

50

0

3.71 3.72 3.73 3.73 3.73

Time-->



#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

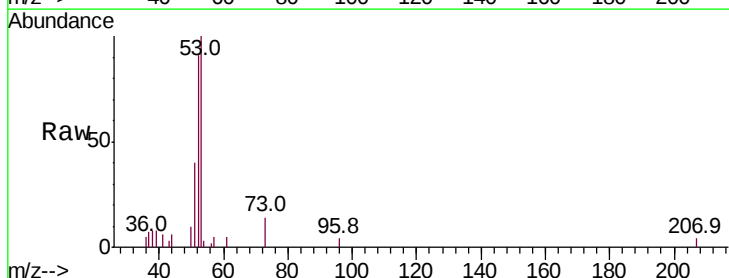
Tgt Ion: 53 Resp: 26409

Ion Ratio Lower Upper

53 100

52 85.1 41.7 125.1

51 34.1 18.9 56.7



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

10000

8000

6000

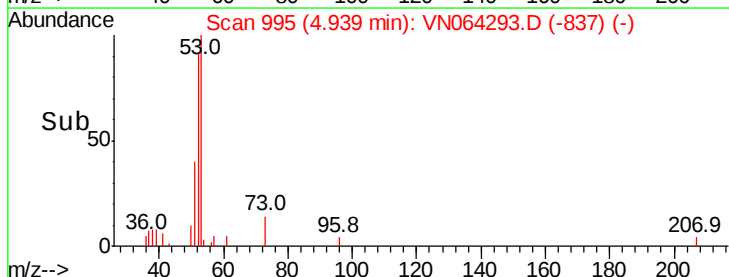
4000

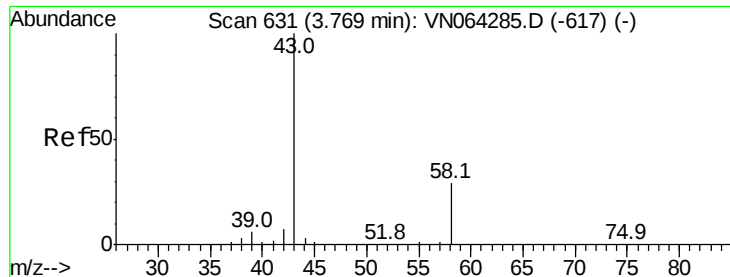
2000

0

4.85 4.90 4.95 5.00

Time-->





#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 :

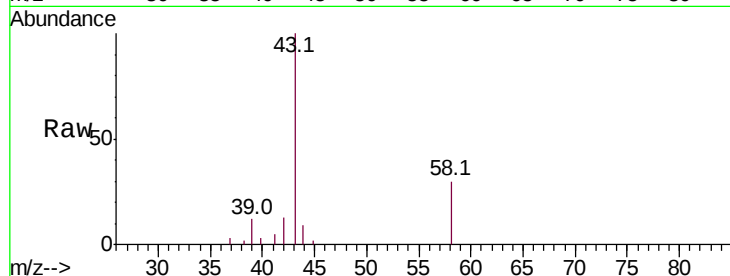
LOQ-WATER-02-QT4-2020

Tot Ion: 58 Resp: 10403

Ion Ratio Lower Upper

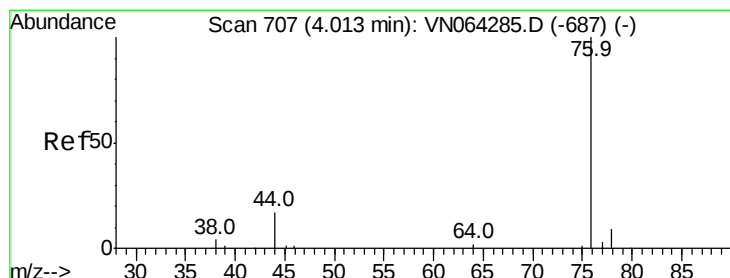
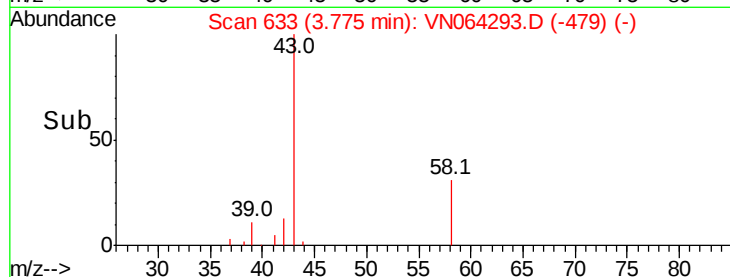
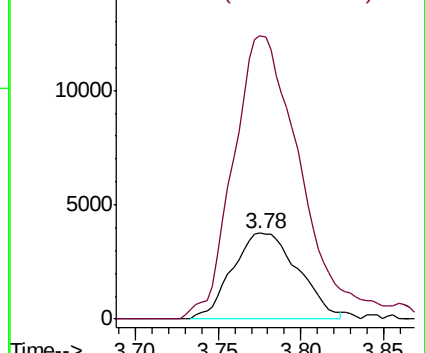
58 100

43 317.8 297.4 446.0



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

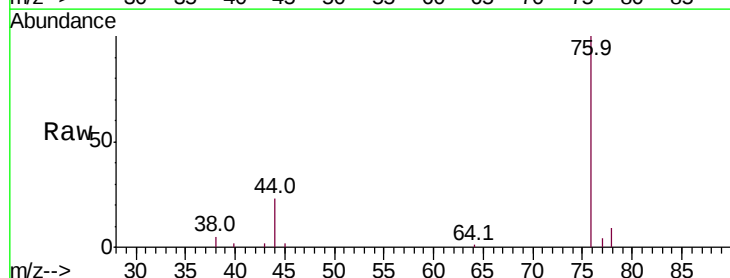
Acq: 23 Oct 2020 18:06

Tgt Ion: 76 Resp: 35228

Ion Ratio Lower Upper

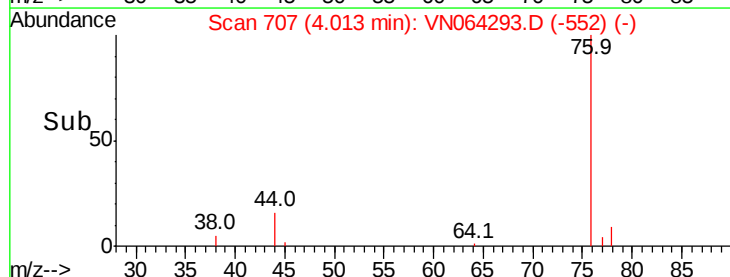
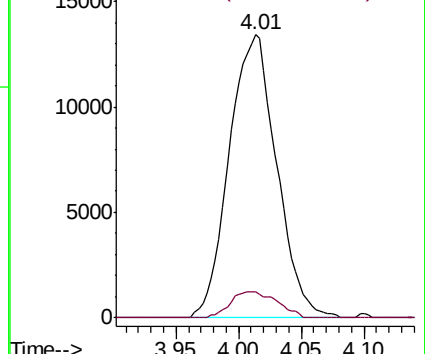
76 100

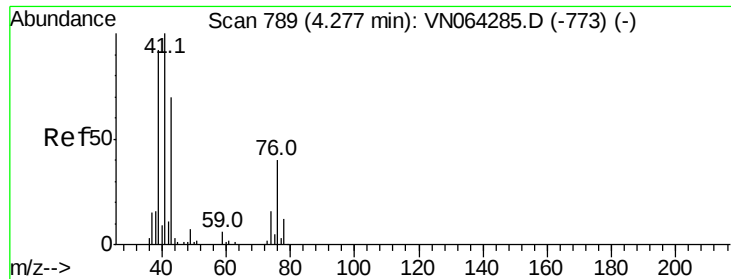
78 9.1 9.0 13.4



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

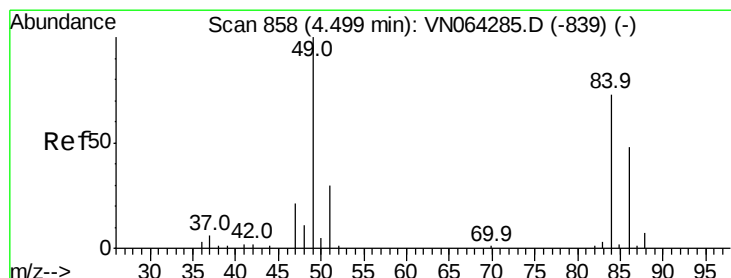
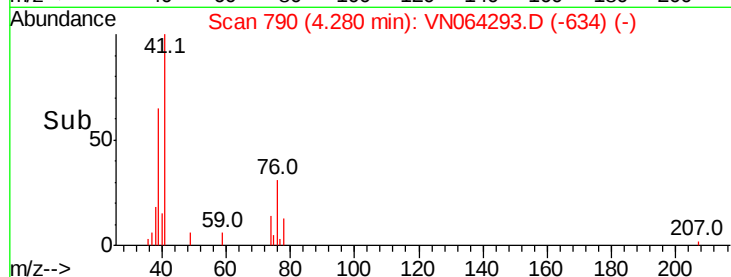
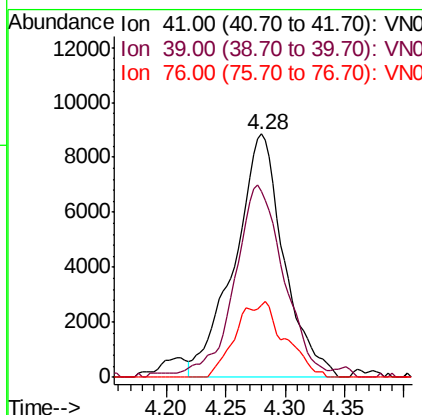
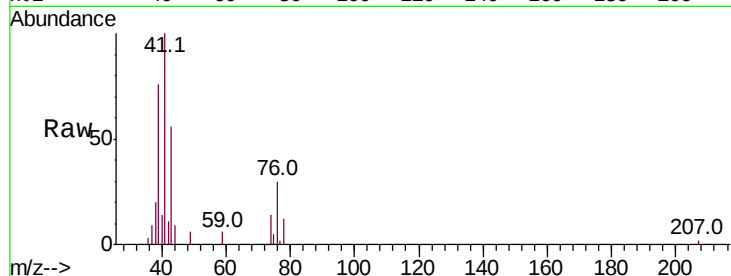




#17
Allvl chloride
Concen: 5.267 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

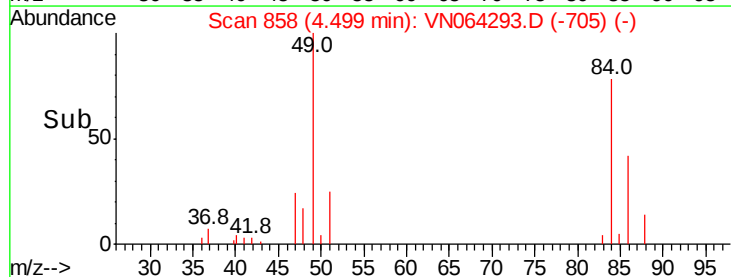
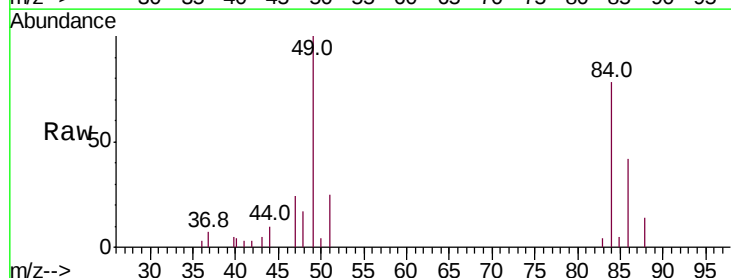
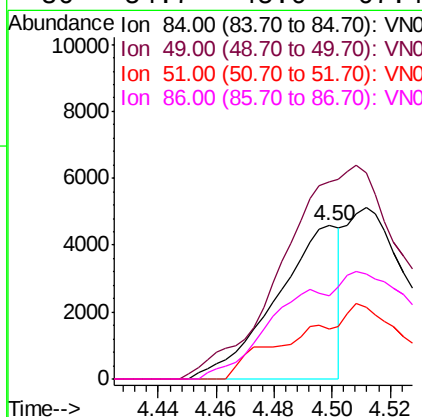
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

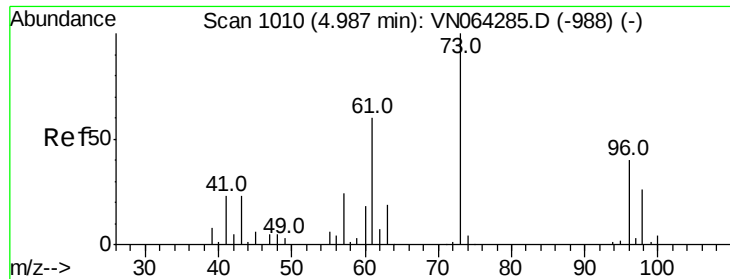
Tot Ion: 41 Resp: 25400
Ion Ratio Lower Upper
41 100
39 73.0 39.9 119.6
76 29.6 21.4 64.2



#18
Methylene Chloride
Concen: 2.369 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

Tgt Ion: 84 Resp: 6967
Ion Ratio Lower Upper
84 100
49 125.1 101.1 151.7
51 32.4 33.4 50.0#
86 54.7 45.0 67.4

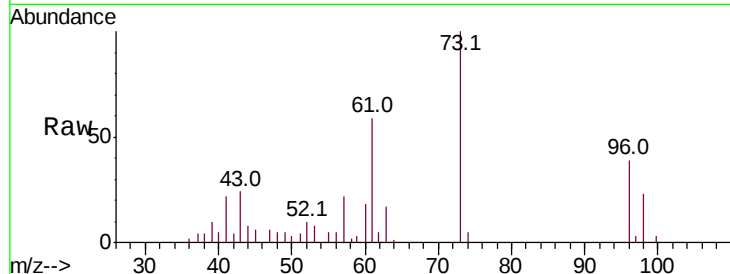




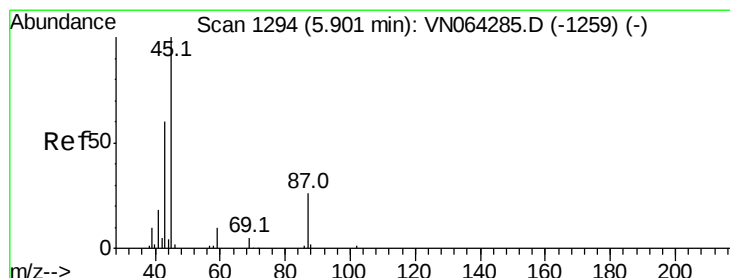
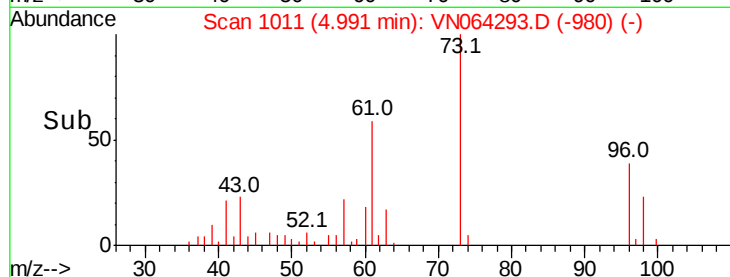
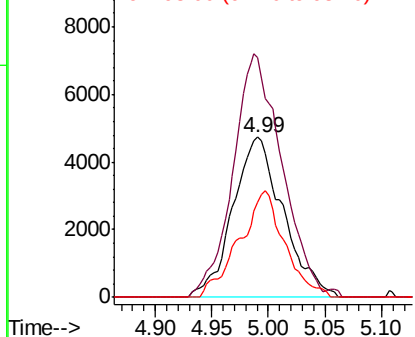
#19
trans-1,2-Dichloroethene
Concen: 5.124 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

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

Tot Ion: 96 Resp: 14652
Ion Ratio Lower Upper
96 100
61 150.1 114.2 171.2
98 59.6 52.8 79.2

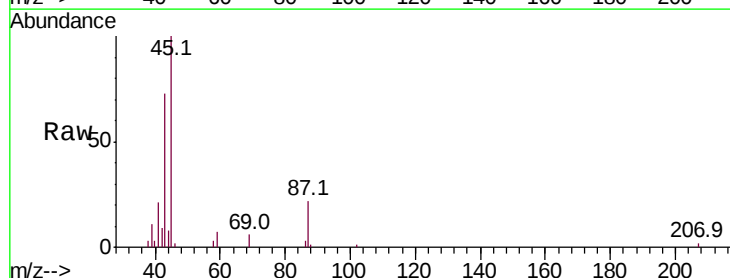


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

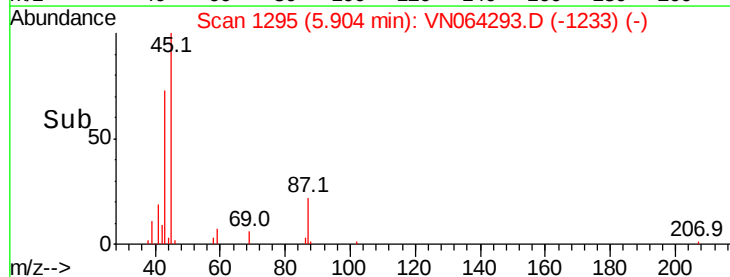
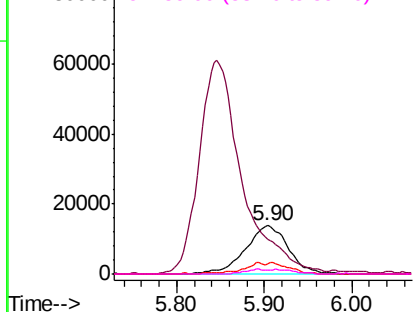


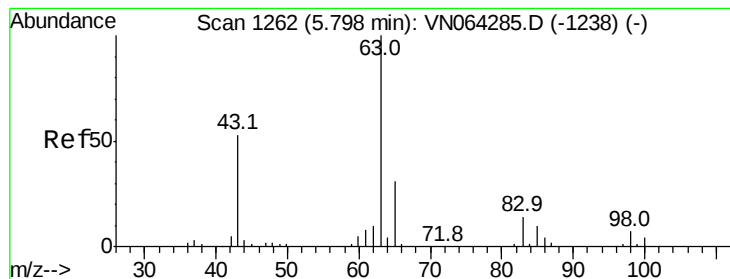
#20
Diisopropyl ether
Concen: 5.126 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

Tgt Ion: 45 Resp: 47103
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#



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

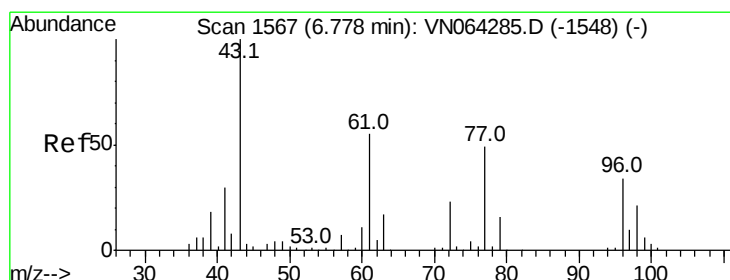
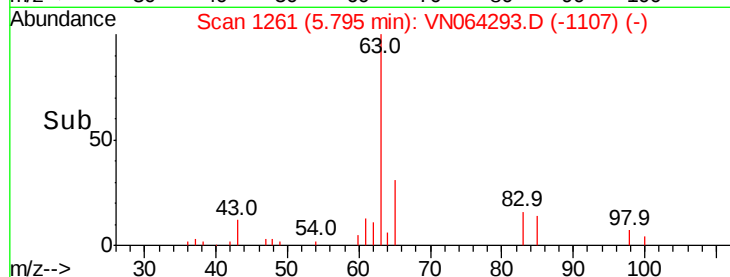
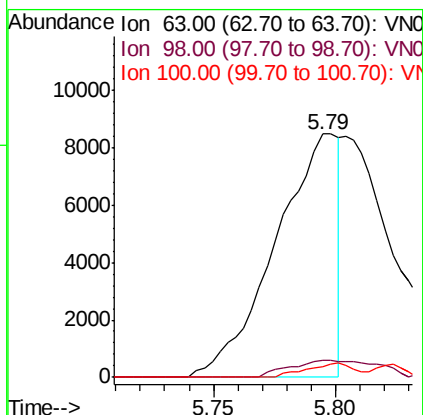
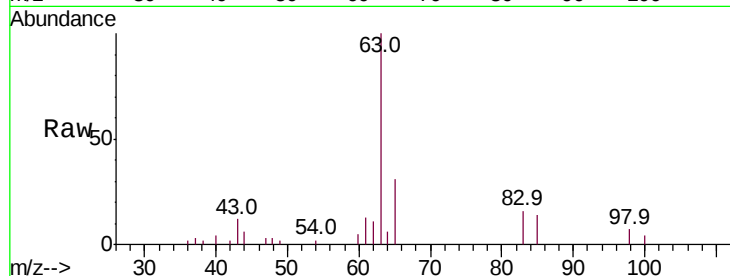




#21
 1,1-Dichloroethane
 Concen: 2.784 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

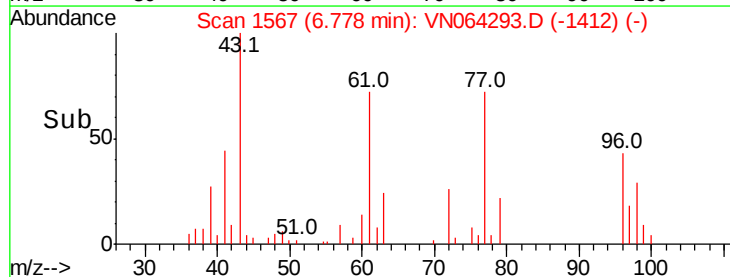
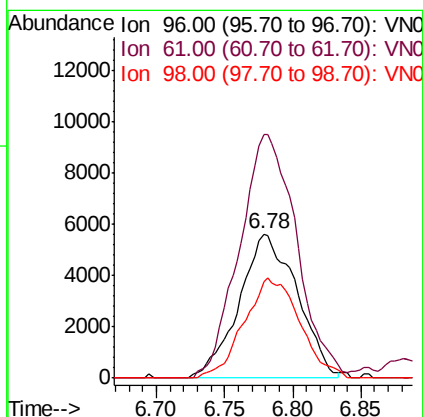
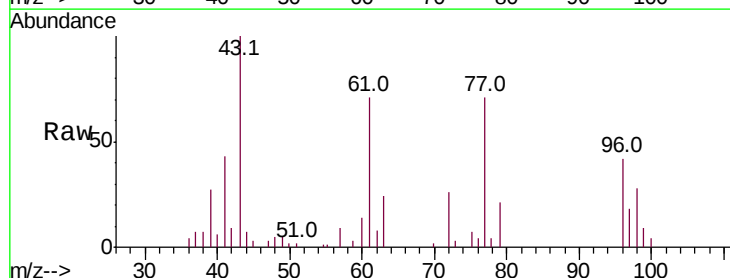
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

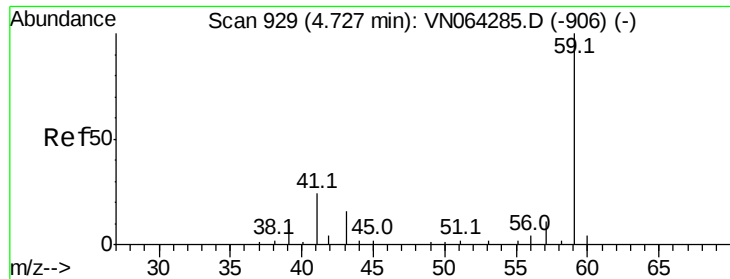
Tot Ion: 63 Resp: 15258
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.5 10.6
 100 4.4 1.6 4.7



#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: 96 Resp: 16639
 Ion Ratio Lower Upper
 96 100
 61 166.3 132.2 198.2
 98 39.4 26.5 39.7

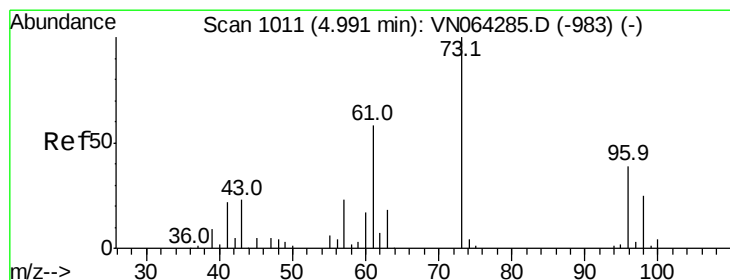
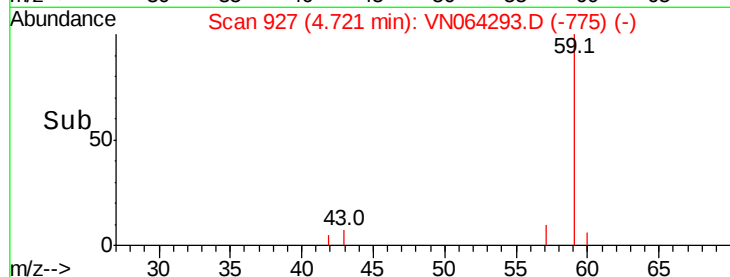
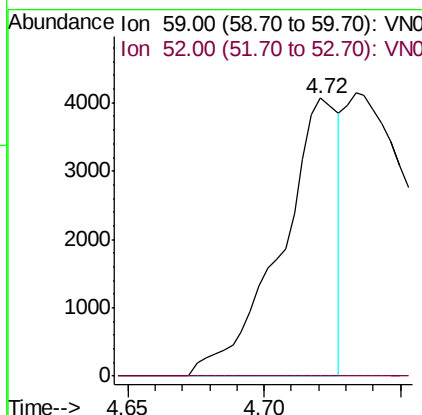
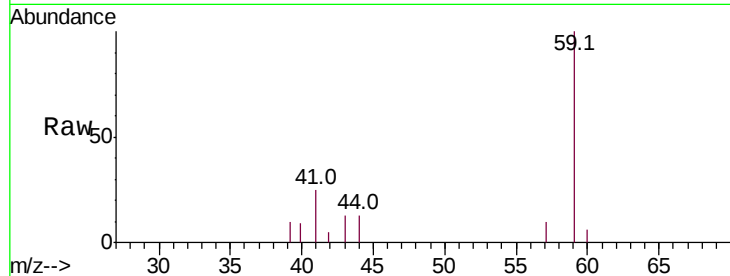




#23
 tert-Butyl Alcohol
 Concen: 11.310 ug/l
 RT: 4.72 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

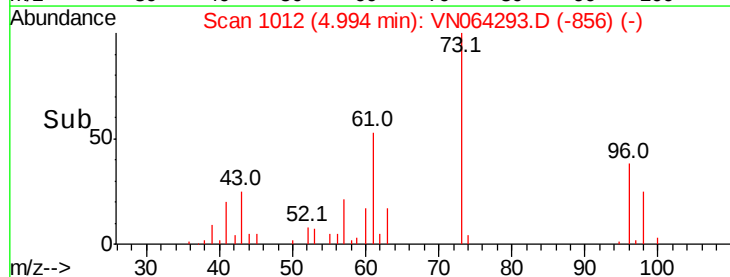
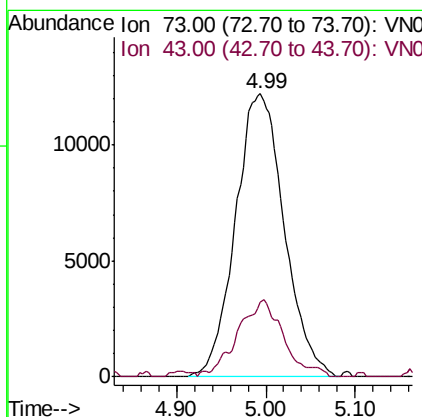
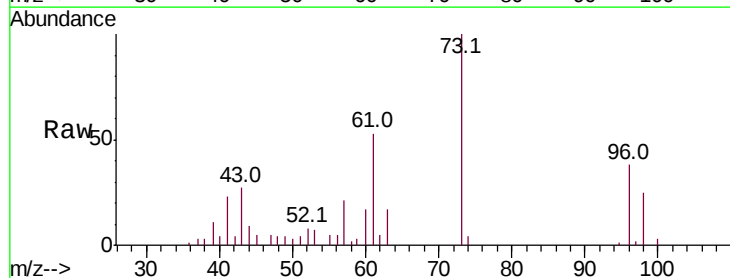
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

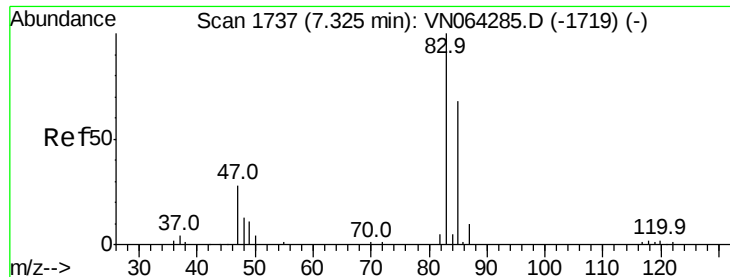
Tot Ion: 59 Resp: 5970
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.2 0.2#



#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#

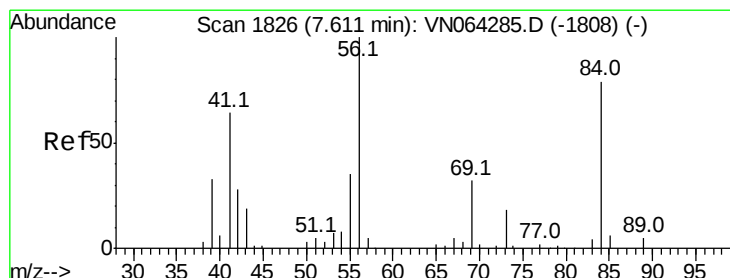
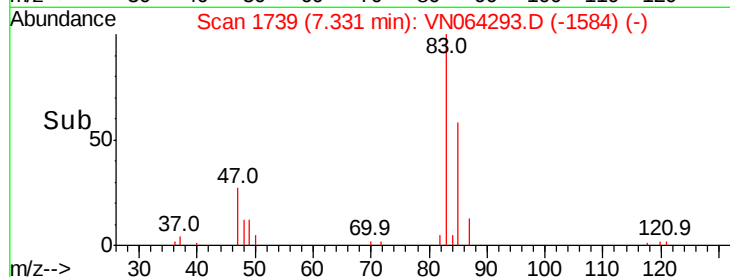
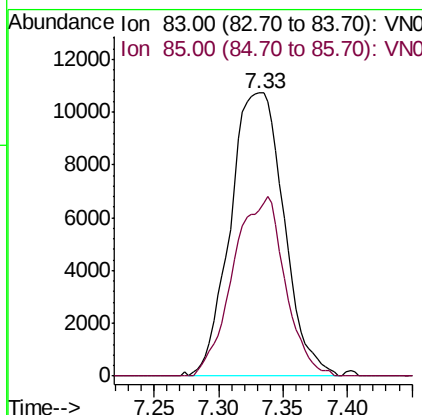
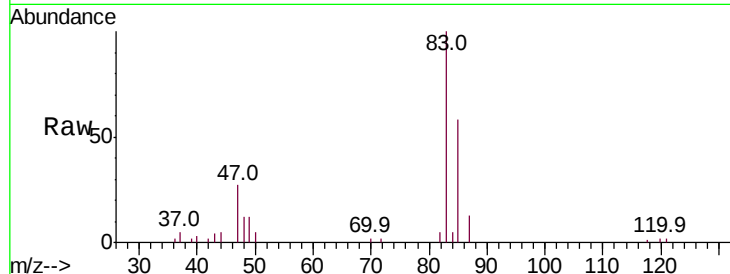




#25
Chloroform
Concen: 5.227 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

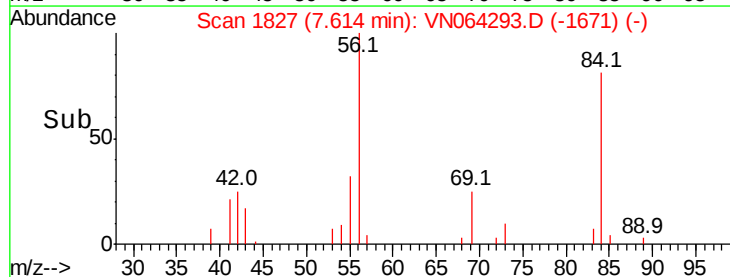
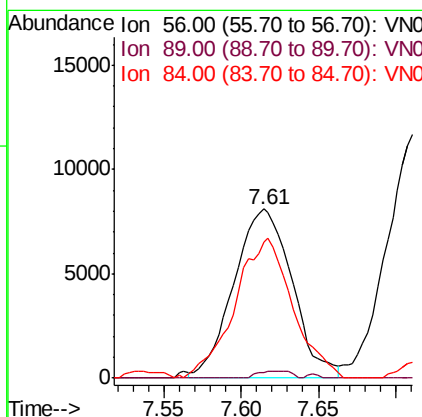
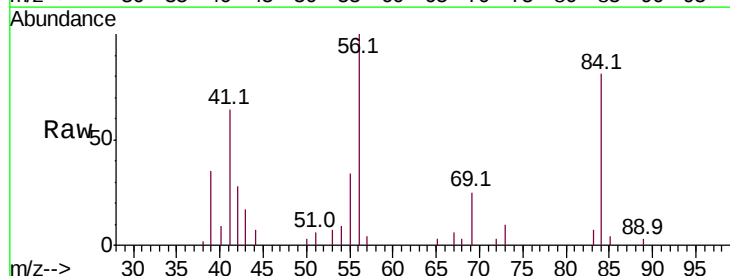
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

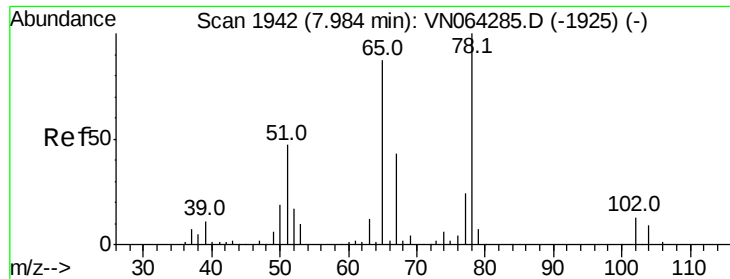
Tot Ion: 83 Resp: 31005
Ion Ratio Lower Upper
83 100
85 58.4 50.3 75.5



#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 Lower Upper
56 100
89 2.2 3.4 5.2#
84 81.4 66.2 99.2

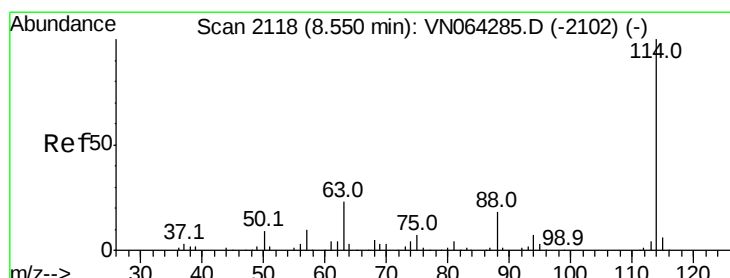
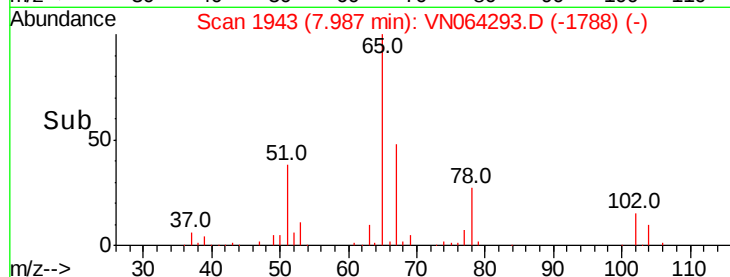
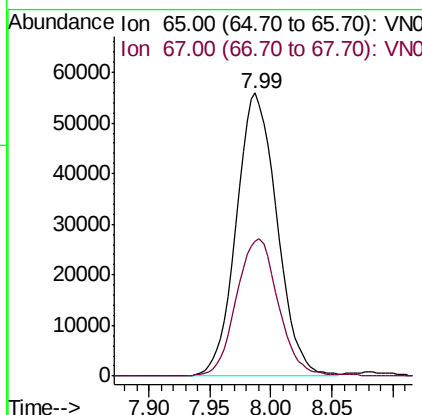
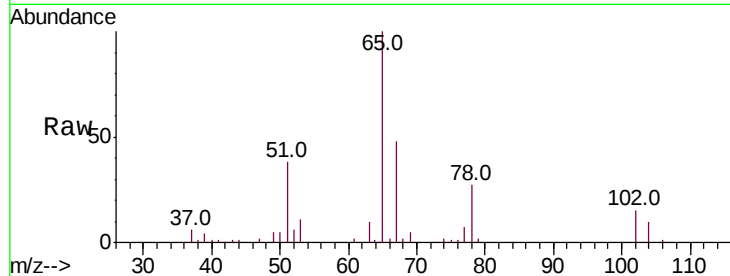




#27
 1,2-Dichloroethane-d4
 Concen: 32.789 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

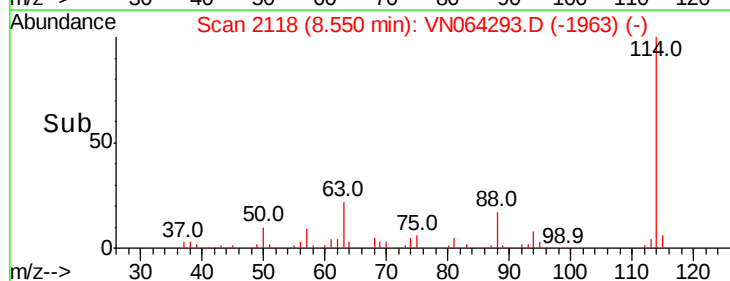
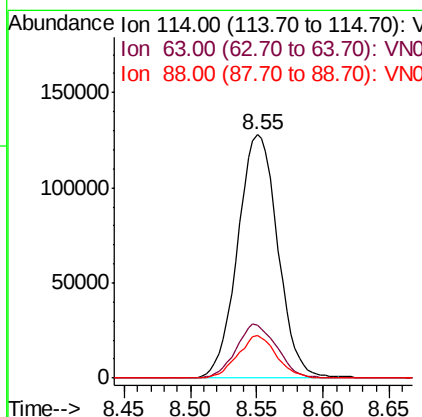
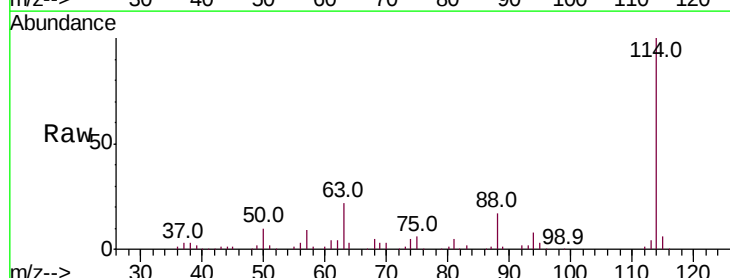
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

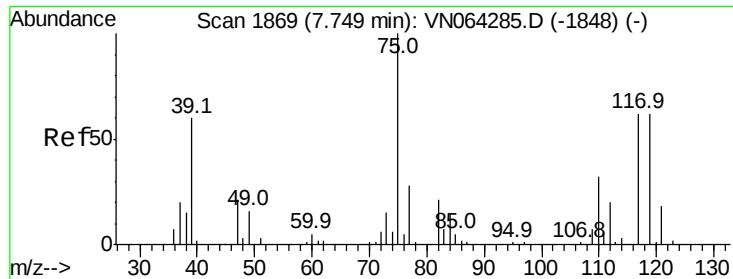
Tot Ion: 65 Resp: 129018
 Ion Ratio Lower Upper
 65 100
 67 50.0 38.4 57.6



#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

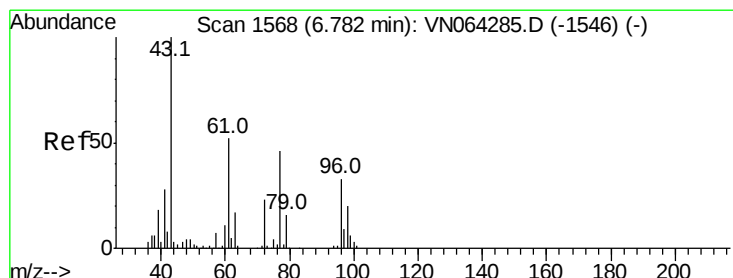
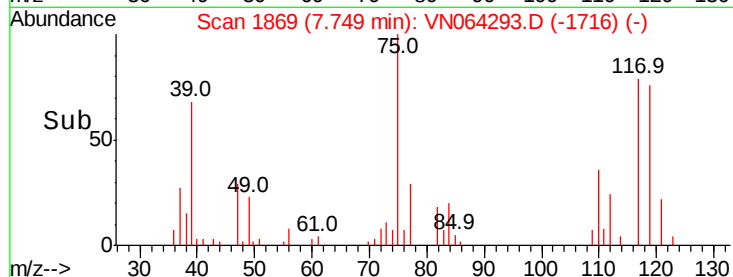
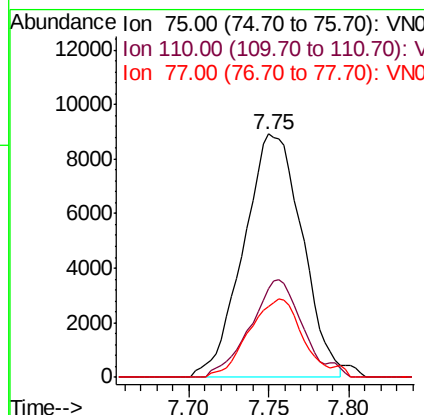
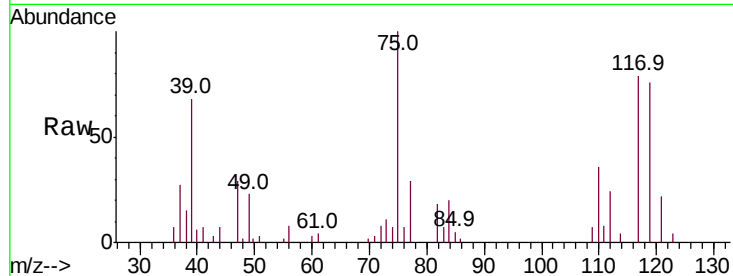




#29
 1,1-Dichloropropene
 Concen: 4.831 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.01 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

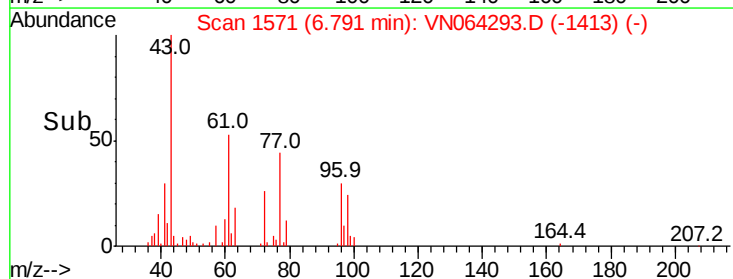
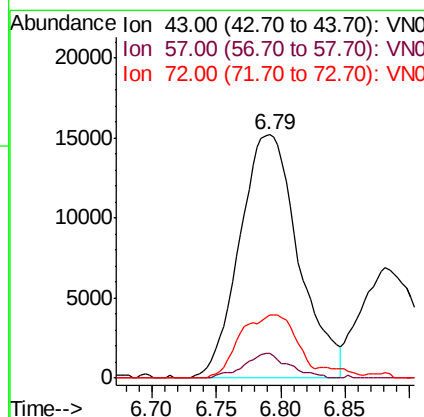
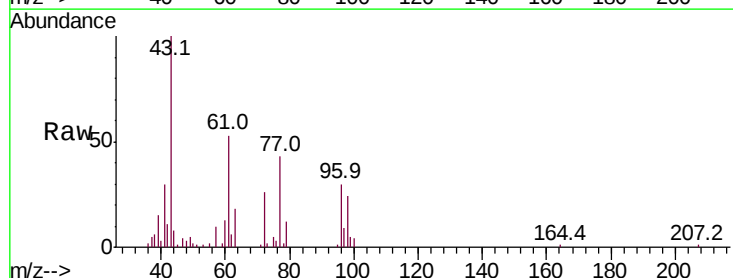
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

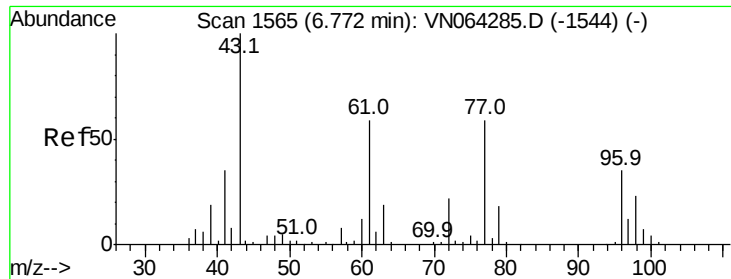
Tot Ion: 75 Resp: 22499
 Ion Ratio Lower Upper
 75 100
 110 34.6 0.0 66.2
 77 29.1 0.0 64.4



#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: 43 Resp: 48352
 Ion Ratio Lower Upper
 43 100
 57 7.8 6.4 9.6
 72 9.2 19.4 29.0#

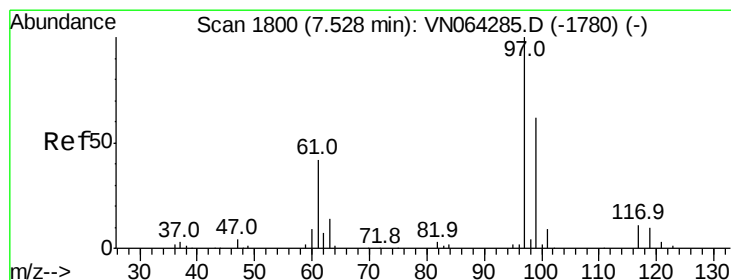
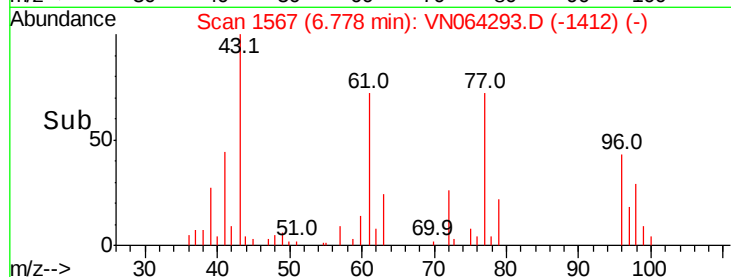
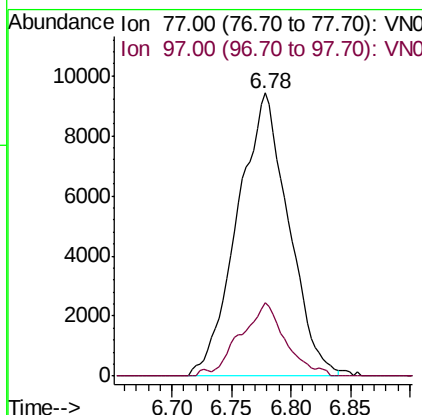
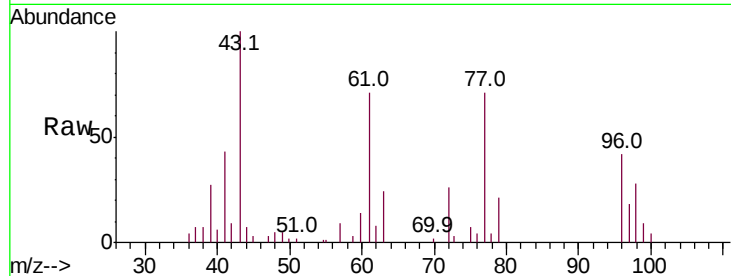




#31
 2,2-Dichloropropane
 Concen: 4.813 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

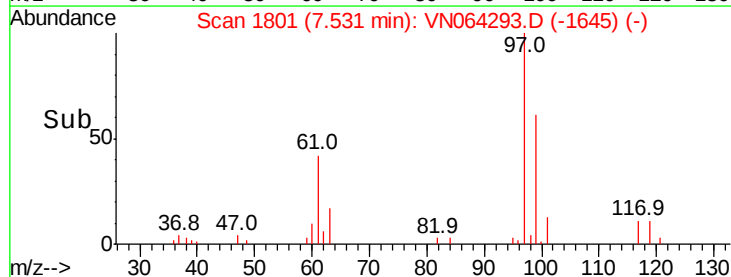
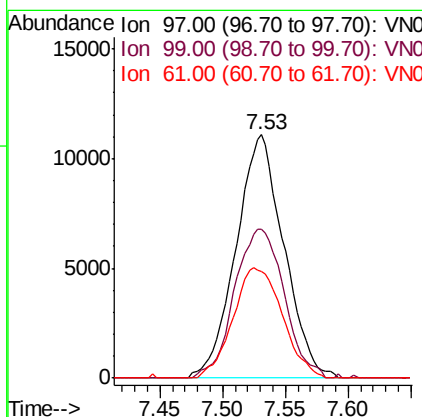
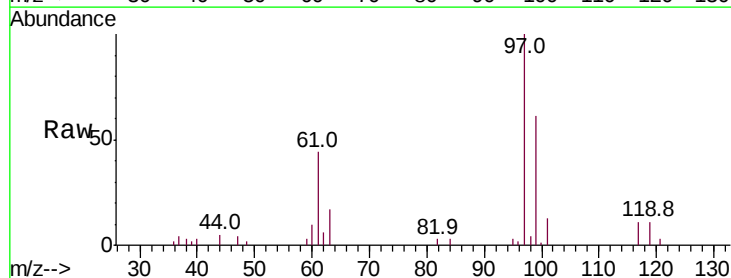
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

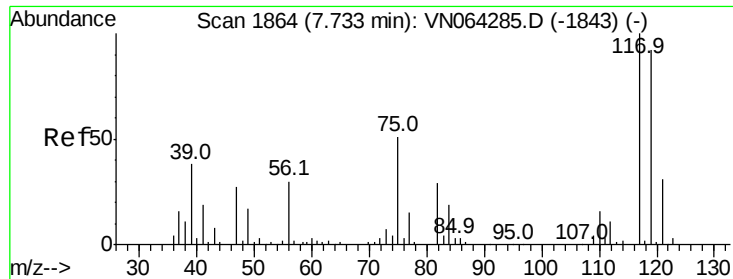
Tot Ion: 77 Resp: 28051
 Ion Ratio Lower Upper
 77 100
 97 22.4 15.1 22.7



#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

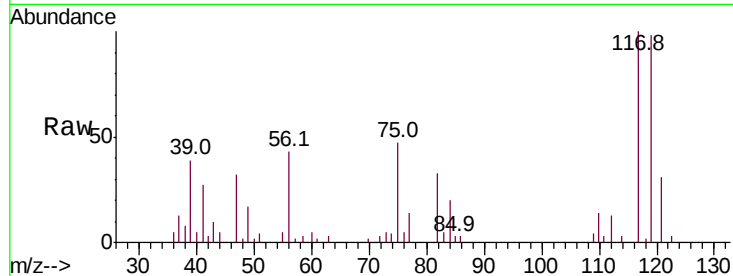
Tot Ion:117 Resp: 25433

Ion Ratio Lower Upper

117 100

119 97.9 80.1 120.1

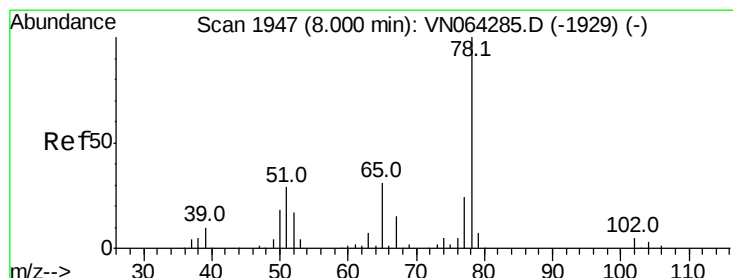
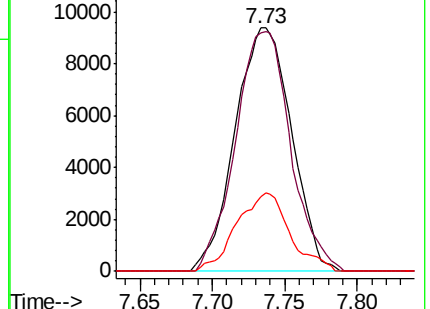
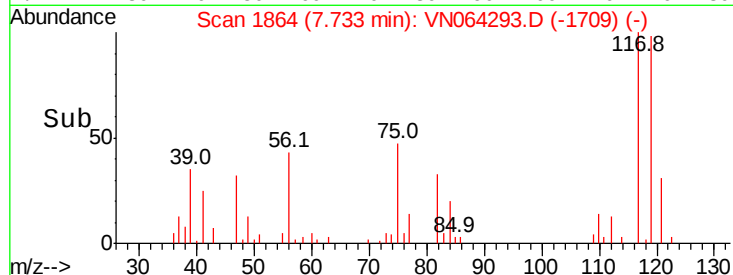
121 30.9 26.2 39.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#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

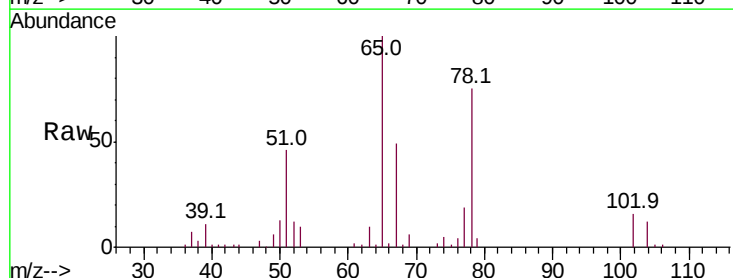
Tgt Ion: 78 Resp: 61007

Ion Ratio Lower Upper

78 100

77 26.2 19.2 28.8

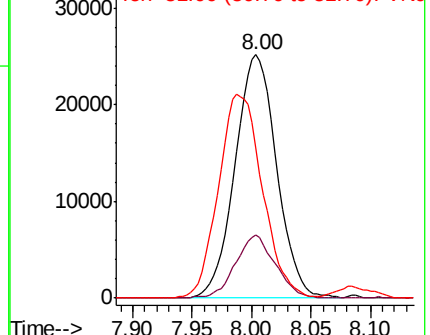
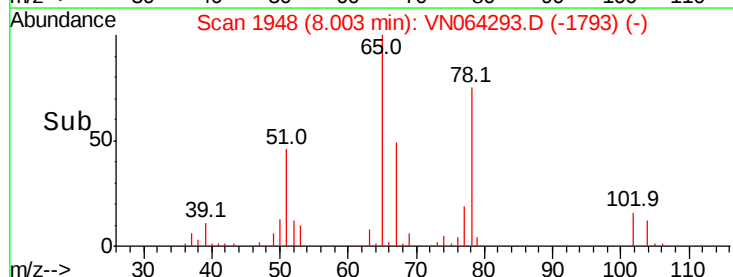
51 59.1 25.2 37.8#

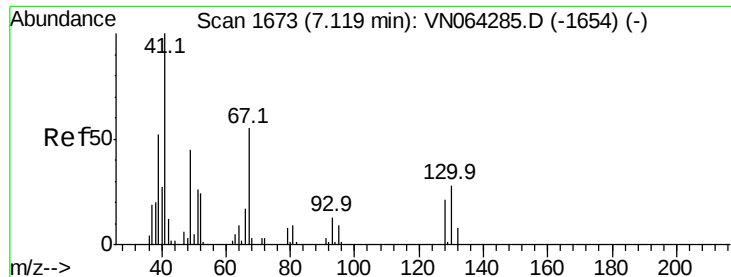


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V





#35

Methacrylonitrile

Concen: 3.242 ug/l

RT: 7.12 min Scan# 1673

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: 6686

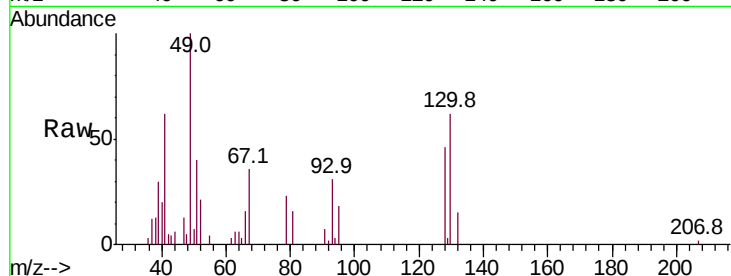
Ion Ratio Lower Upper

41 100

39 44.4 28.0 83.9

67 57.6 29.9 89.8

52 33.7 12.4 37.2

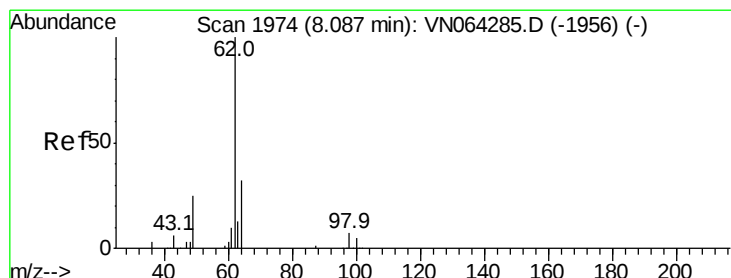
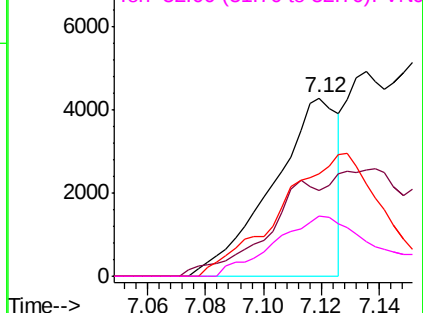
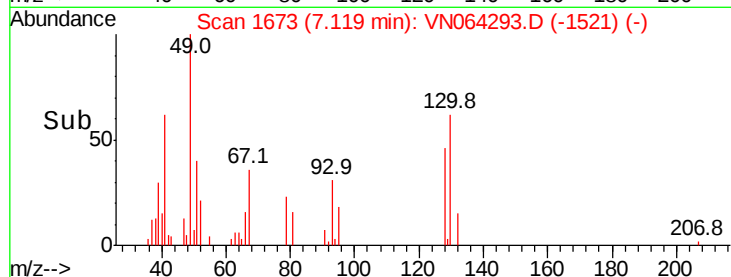


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#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

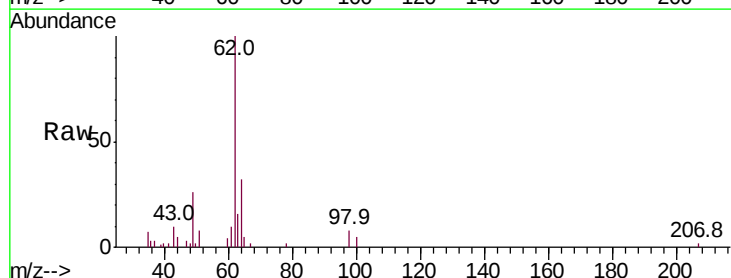
Acq: 23 Oct 2020 18:06

Tgt Ion: 62 Resp: 27273

Ion Ratio Lower Upper

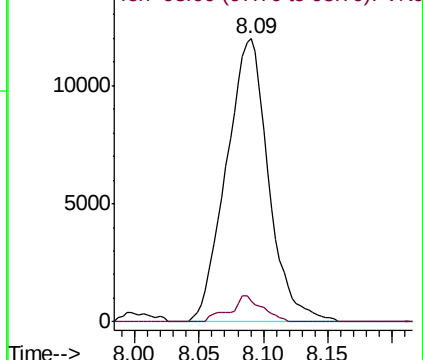
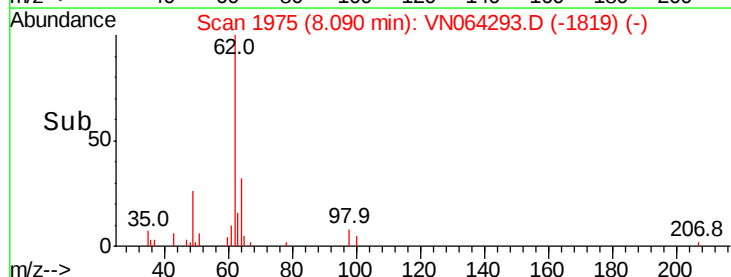
62 100

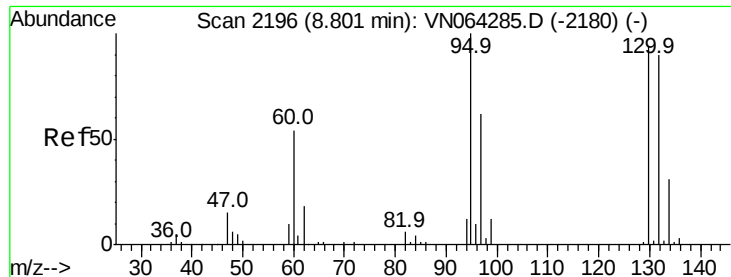
98 5.5 5.4 8.0



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

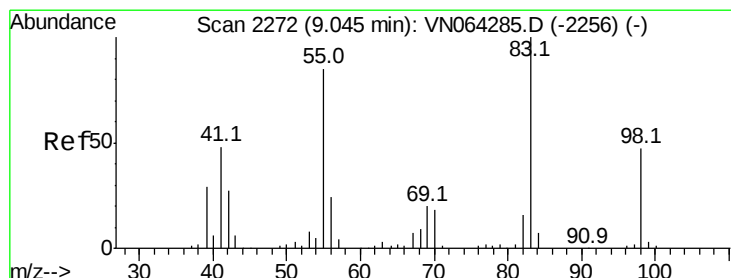
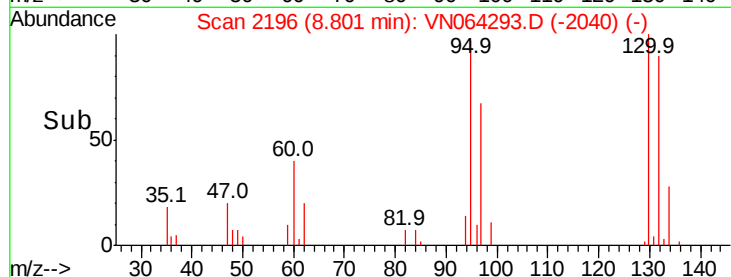
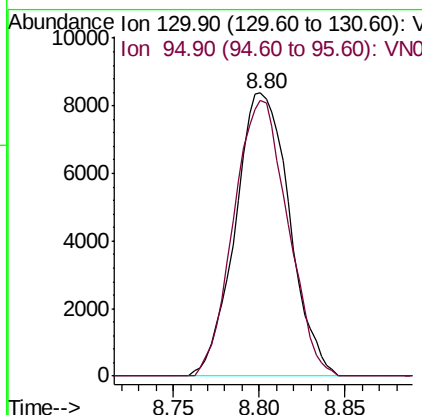
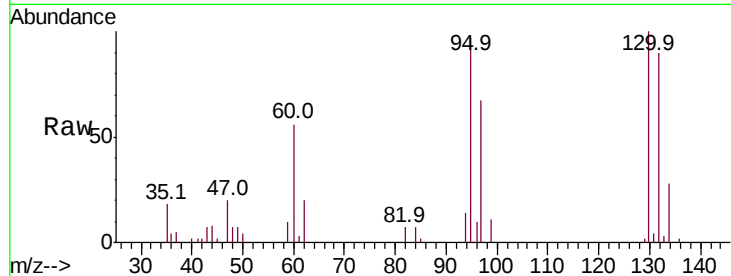




#37
 Trichloroethene
 Concen: 5.240 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

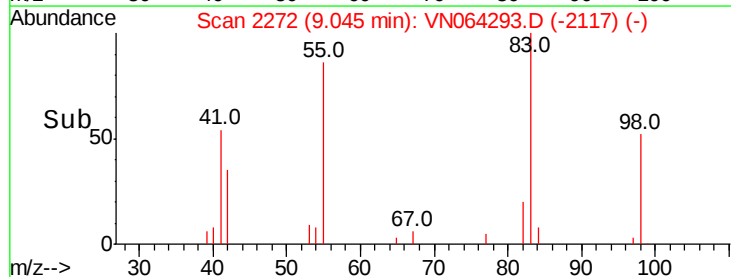
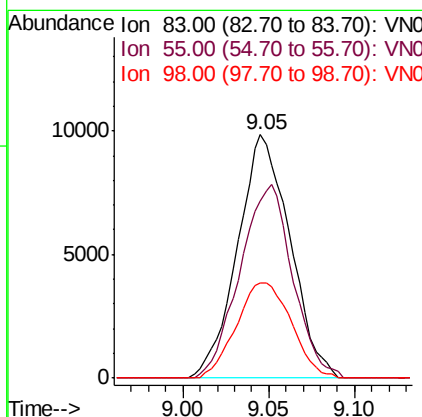
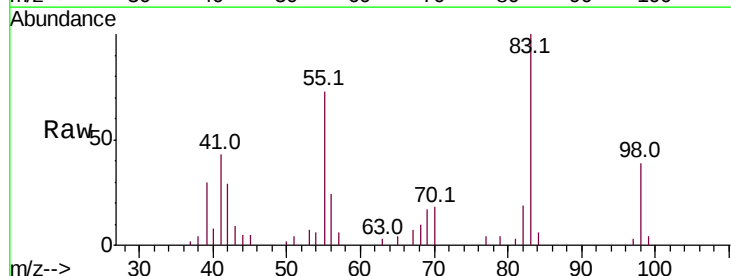
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

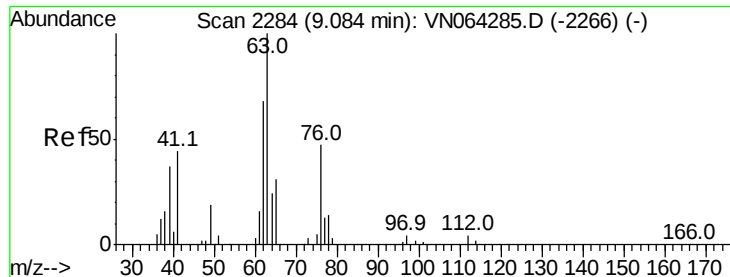
Tot Ion:130 Resp: 18352
 Ion Ratio Lower Upper
 130 100
 95 97.4 81.2 121.8



#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 :

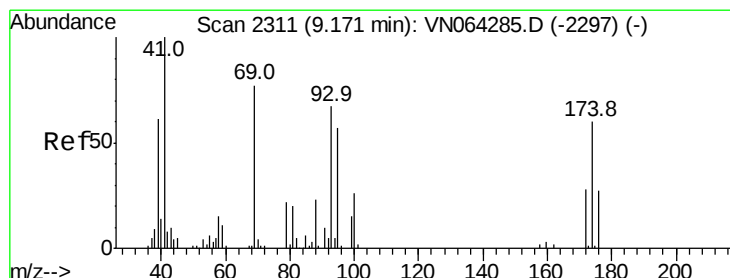
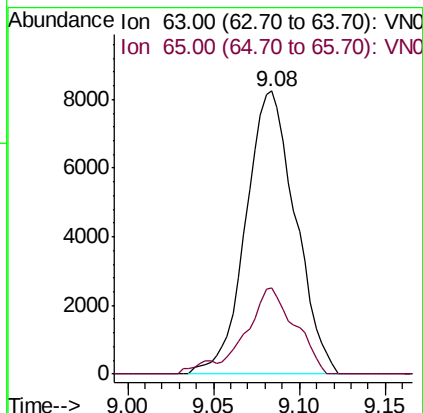
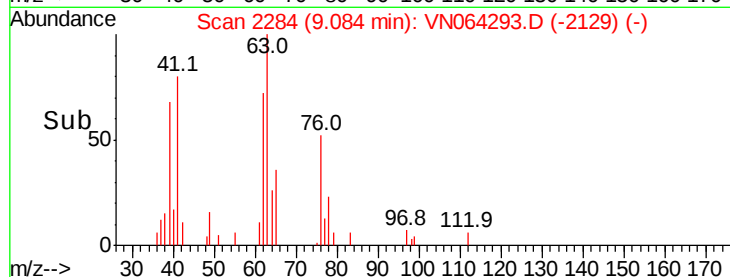
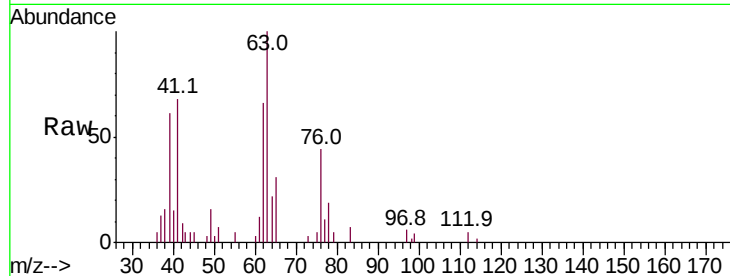
LOQ-WATER-02-QT4-2020

Tot Ion: 63 Resp: 16500

Ion Ratio Lower Upper

63 100

65 30.6 26.1 39.1



#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

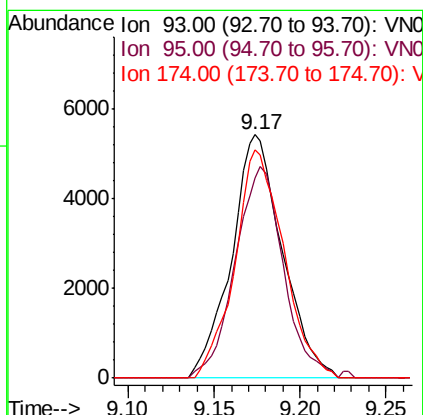
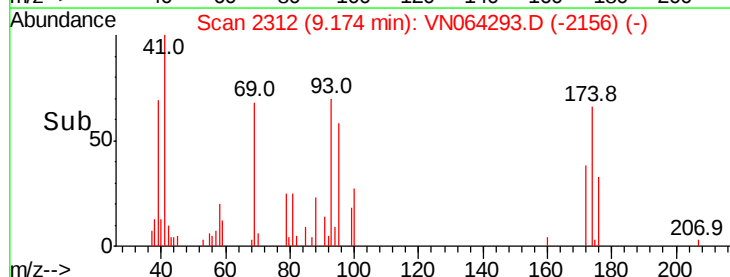
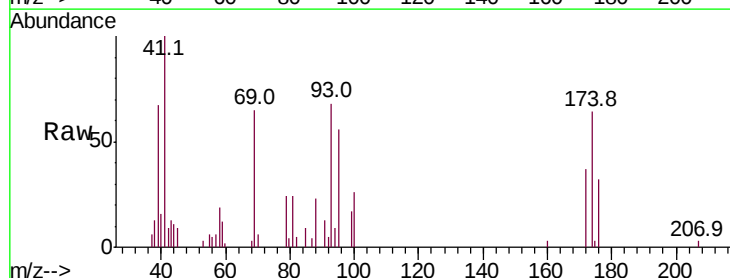
Tgt Ion: 93 Resp: 11214

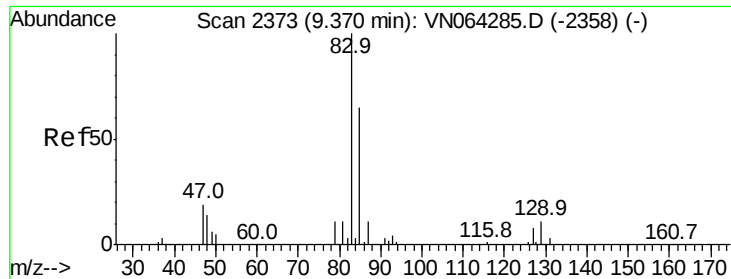
Ion Ratio Lower Upper

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

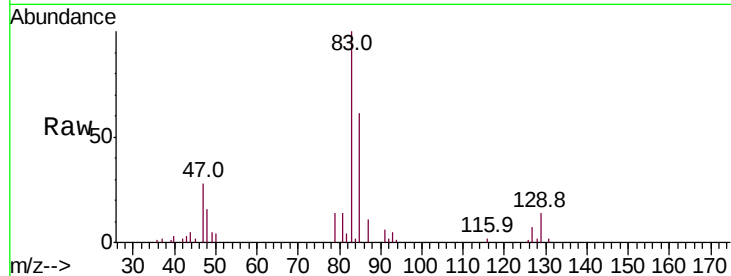
Tot Ion: 83 Resp: 24233

Ion Ratio Lower Upper

83 100

85 61.3 57.8 86.6

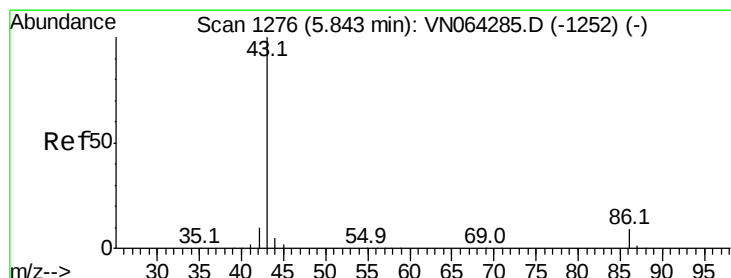
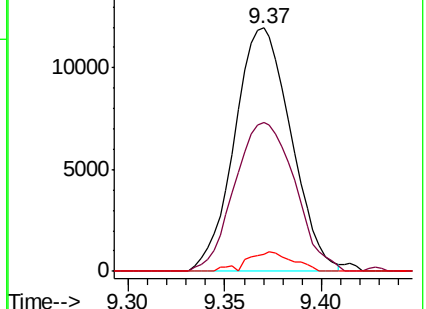
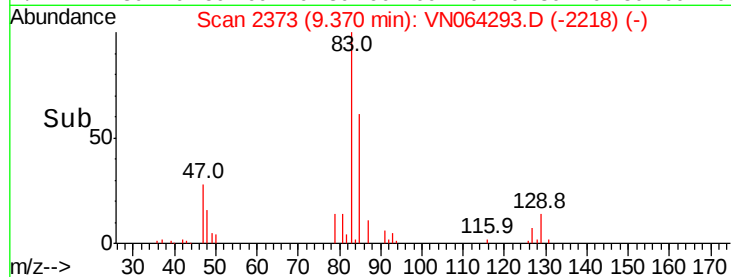
127 7.2 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN064285.D (-2358) (-)

Ion 85.00 (84.70 to 85.70): VN064285.D (-2358) (-)

Ion 127.00 (126.70 to 127.70): VN064285.D (-2358) (-)



#42

Vinyl Acetate

Concen: 23.145 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN064293.D

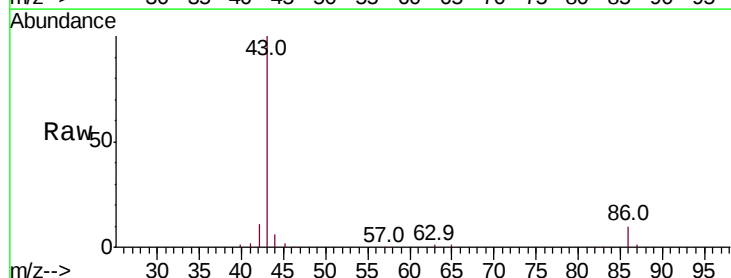
Acq: 23 Oct 2020 18:06

Tgt Ion: 43 Resp: 208787

Ion Ratio Lower Upper

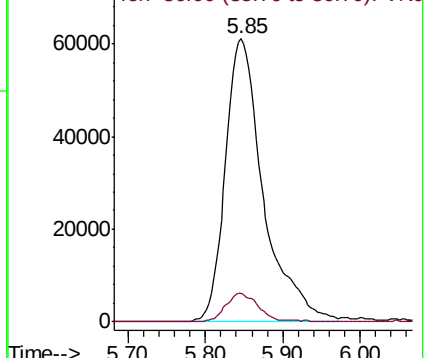
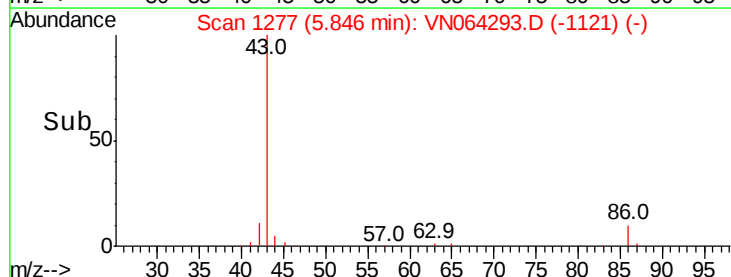
43 100

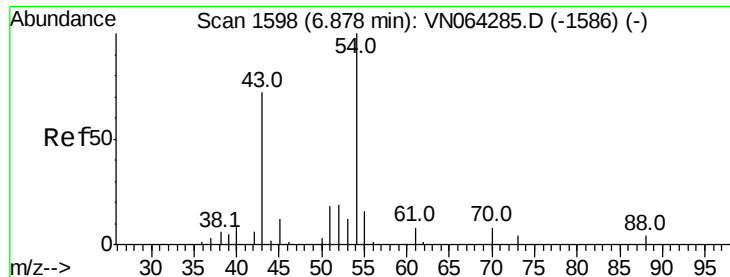
86 8.5 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VN064285.D (-1252) (-)

Ion 86.00 (85.70 to 86.70): VN064285.D (-1252) (-)





#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 :

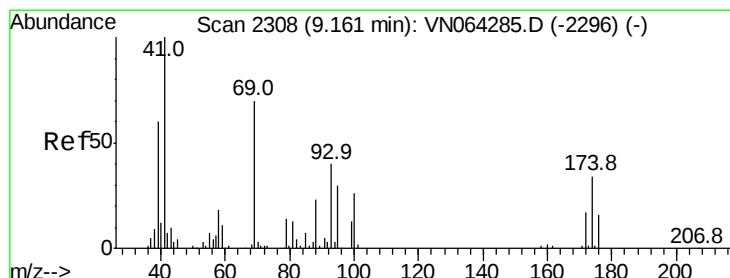
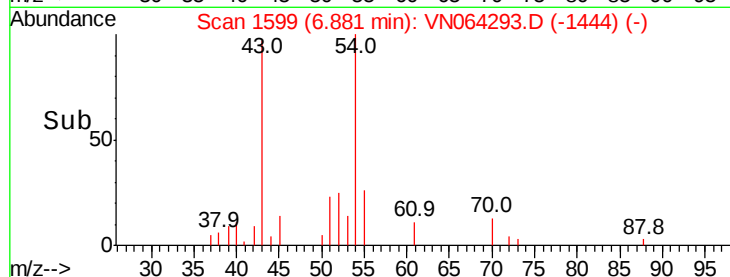
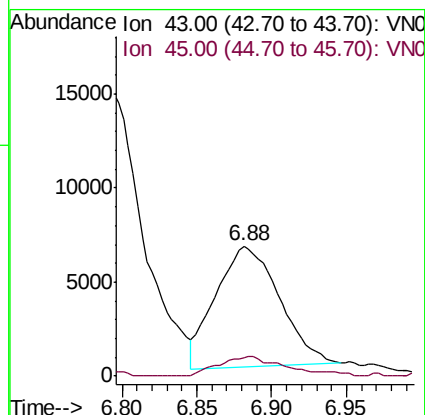
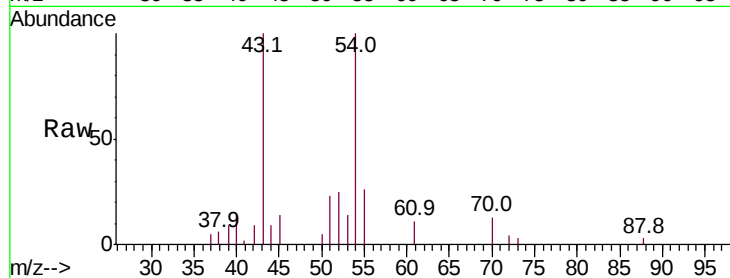
LOQ-WATER-02-QT4-2020

Tot Ion: 43 Resp: 18884

Ion Ratio Lower Upper

43 100

45 11.5 8.2 12.4



#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

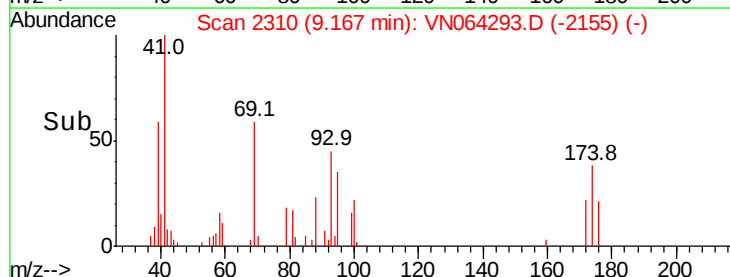
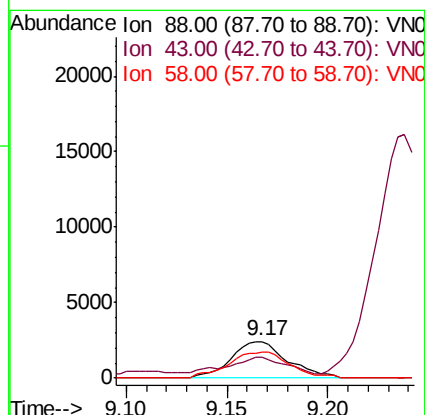
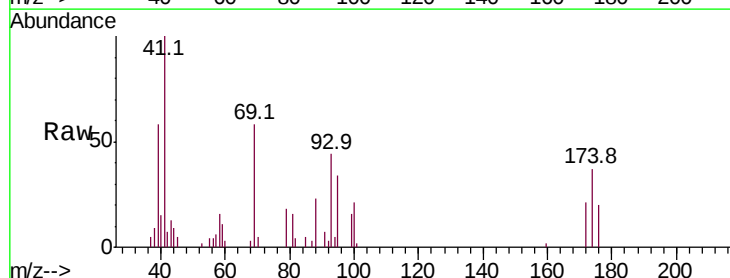
Tgt Ion: 88 Resp: 4745

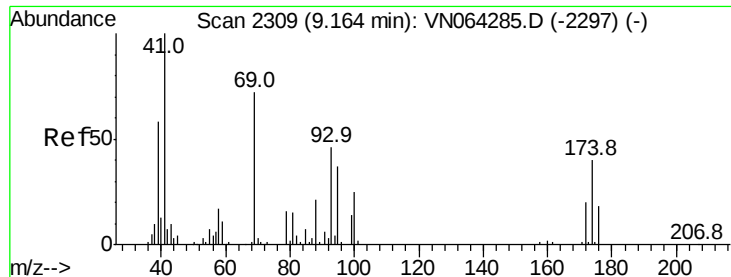
Ion Ratio Lower Upper

88 100

43 37.4 34.7 52.1

58 37.4 65.8 98.6#

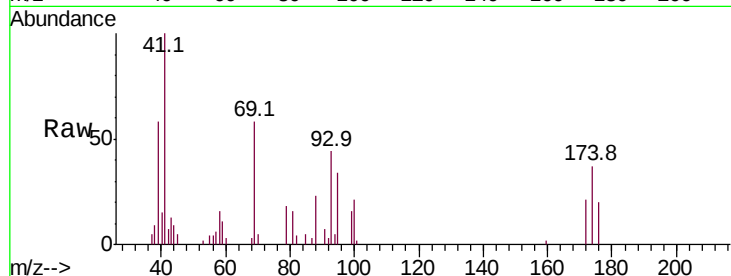




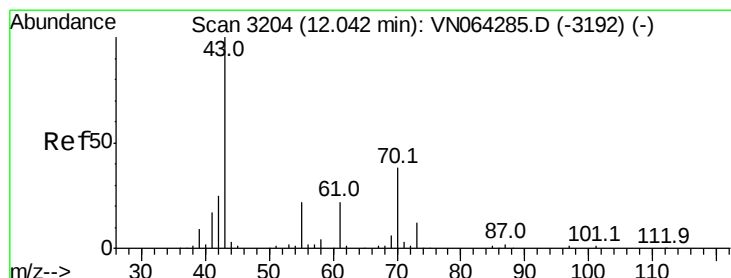
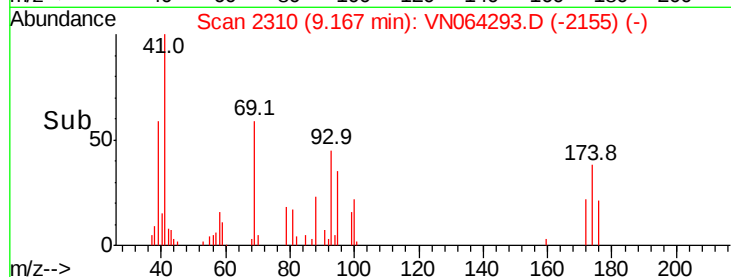
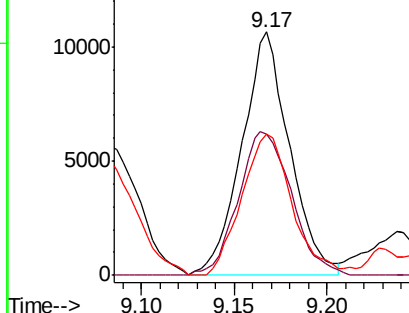
#46
Methvl methacrylate
Concen: 5.088 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

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

Tot Ion: 41 Resp: 19104
Ion Ratio Lower Upper
41 100
69 57.9 32.6 97.7
39 58.1 31.1 93.3

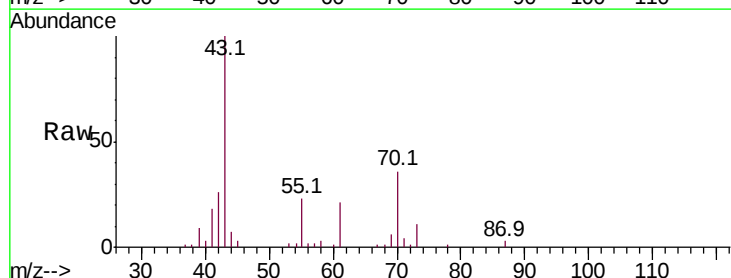


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

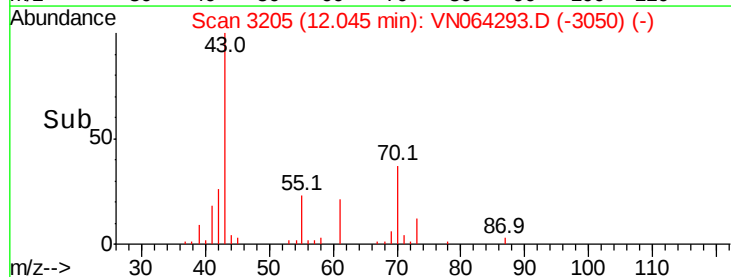
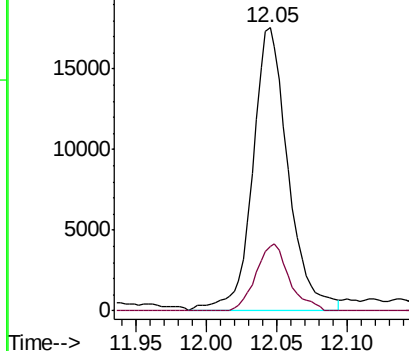


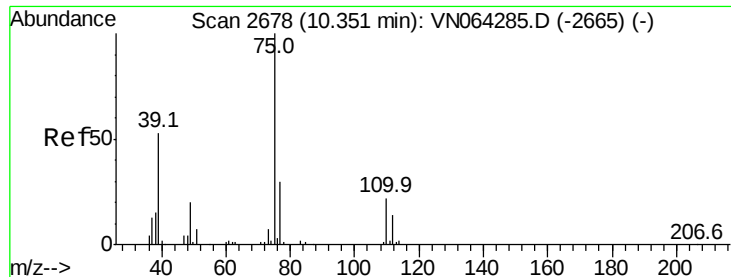
#47
n-amy1 Acetate
Concen: 4.631 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

Tgt Ion: 43 Resp: 31030
Ion Ratio Lower Upper
43 100
55 22.1 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 55.00 (54.70 to 55.70): VN0

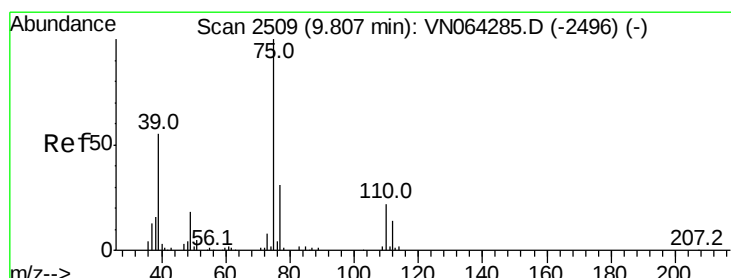
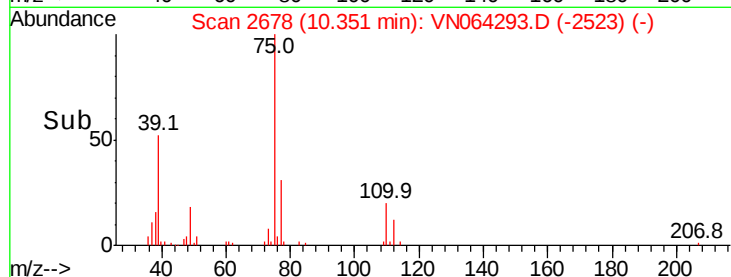
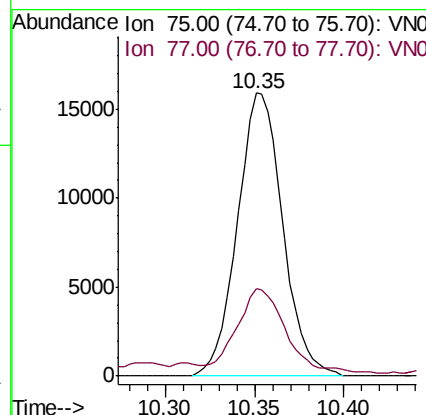
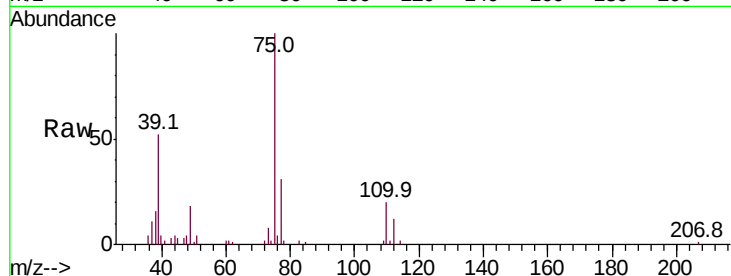




#48
 t-1,3-Dichloropropene
 Concen: 4.894 ug/l
 RT: 10.35 min Scan# 2678
 Delta R.T. -0.00 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

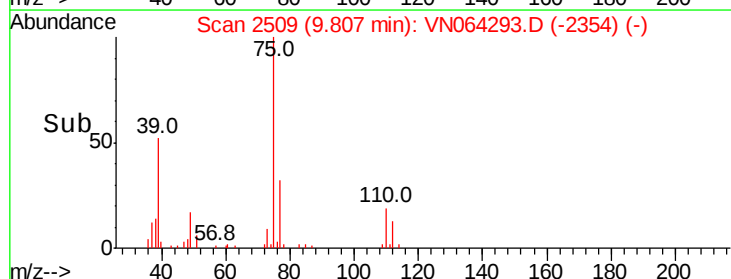
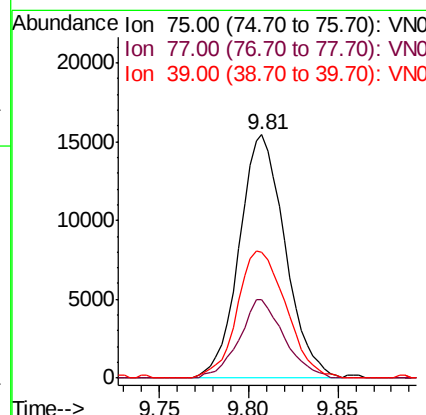
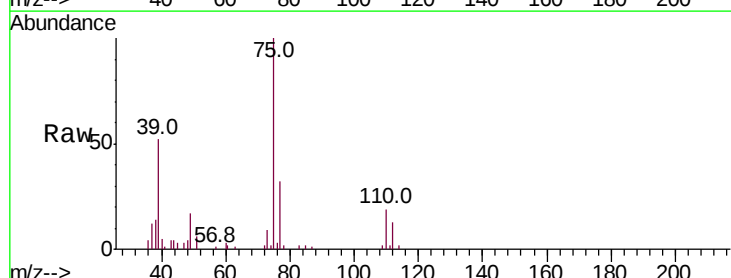
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

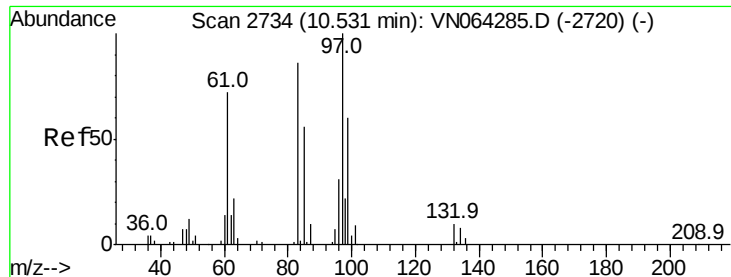
Tot Ion: 75 Resp: 28203
 Ion Ratio Lower Upper
 75 100
 77 28.2 25.4 38.0



#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

Tgt Ion: 75 Resp: 27630
 Ion Ratio Lower Upper
 75 100
 77 32.0 23.7 35.5
 39 51.8 46.9 70.3





#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

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 97 Resp: 14810

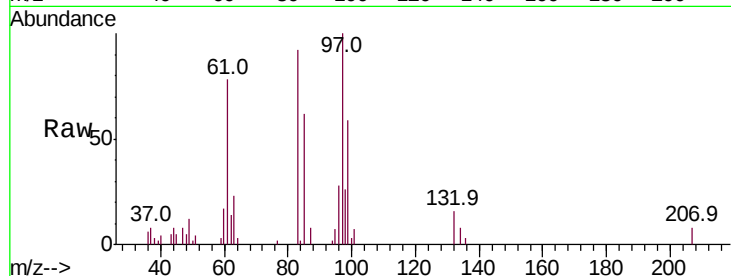
Ion Ratio Lower Upper

97 100

83 91.6 68.9 103.3

85 61.8 37.8 56.8#

99 58.8 51.0 76.6

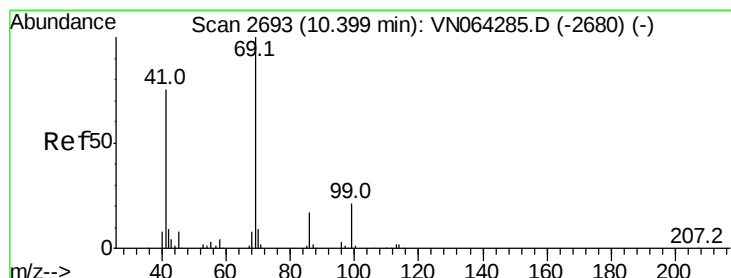
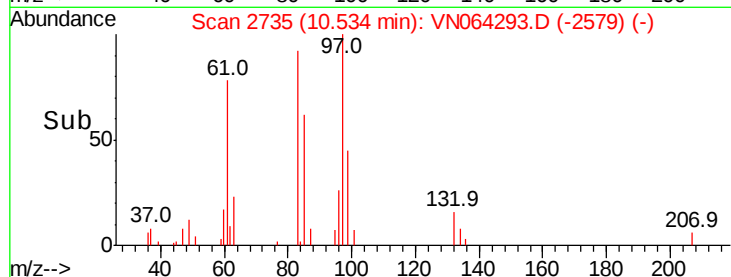
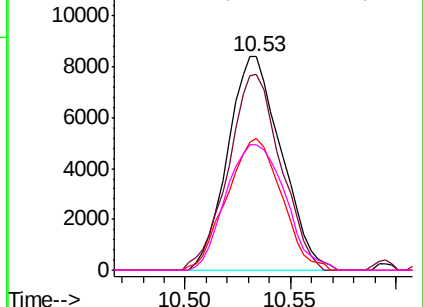


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0



#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

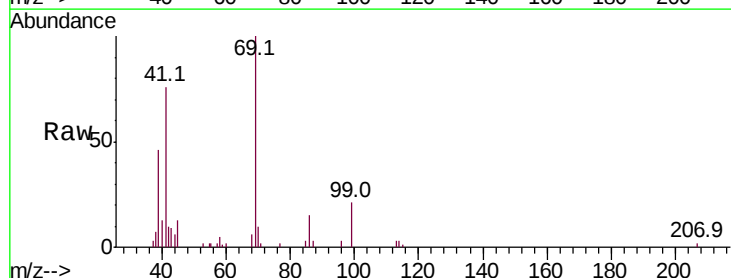
Tgt Ion: 69 Resp: 22095

Ion Ratio Lower Upper

69 100

41 74.4 43.6 130.9

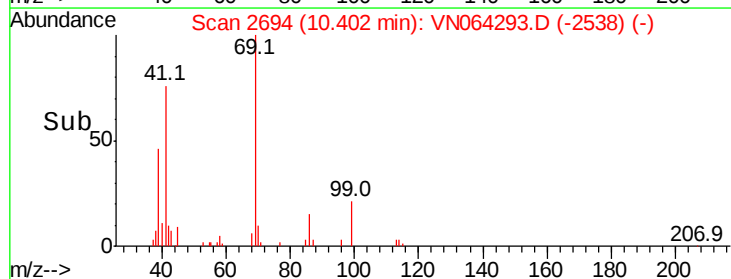
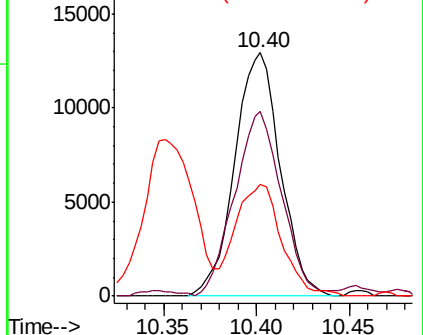
39 44.9 25.8 77.3

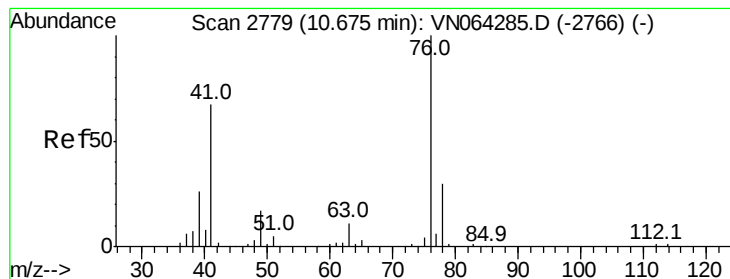


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#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

Instrument :

MSVOA_N

ClientSampleId :

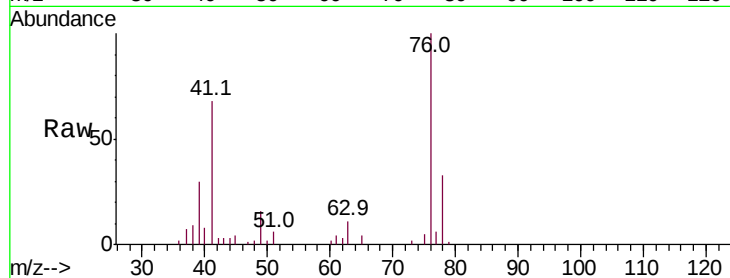
LOQ-WATER-02-QT4-2020

Tot Ion: 76 Resp: 27660

Ion Ratio Lower Upper

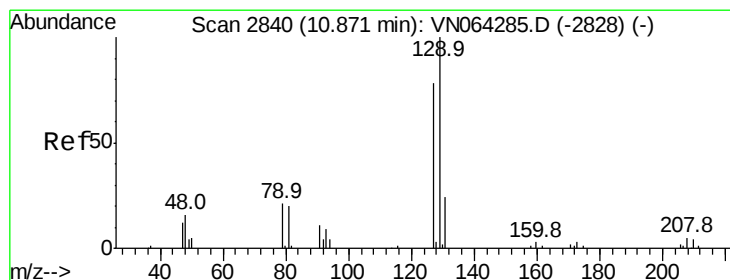
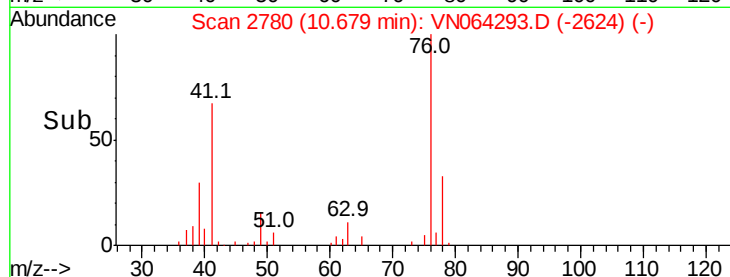
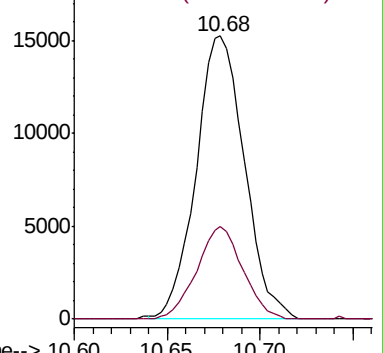
76 100

78 30.9 0.0 64.6



Abundance Ion 76.00 (75.70 to 76.70): VN064285.D (-2766) (-)

Ion 78.00 (77.70 to 78.70): VN064285.D (-2766) (-)



#53

Dibromochloromethane

Concen: 4.340 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN064293.D

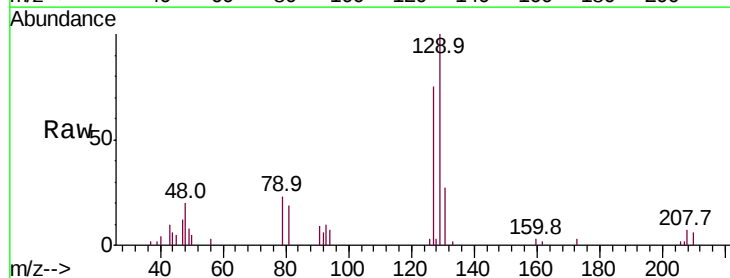
Acq: 23 Oct 2020 18:06

Tgt Ion: 129 Resp: 17001

Ion Ratio Lower Upper

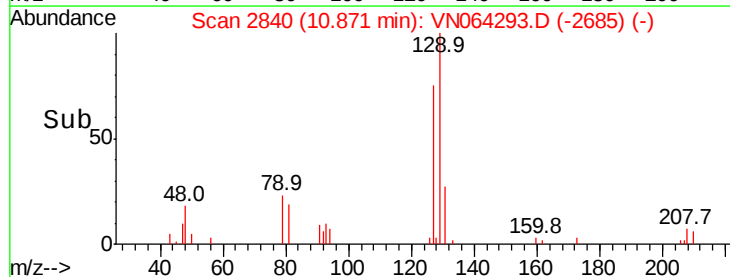
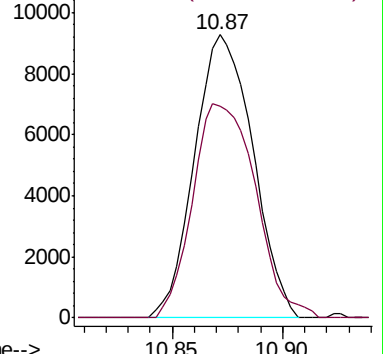
129 100

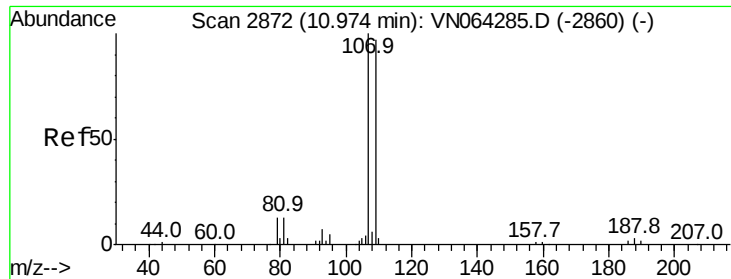
127 81.6 42.4 127.2



Abundance Ion 129.00 (128.70 to 129.70): VN064285.D (-2828) (-)

Ion 127.00 (126.70 to 127.70): VN064285.D (-2828) (-)





#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

Instrument :

MSVOA_N

ClientSampleId :

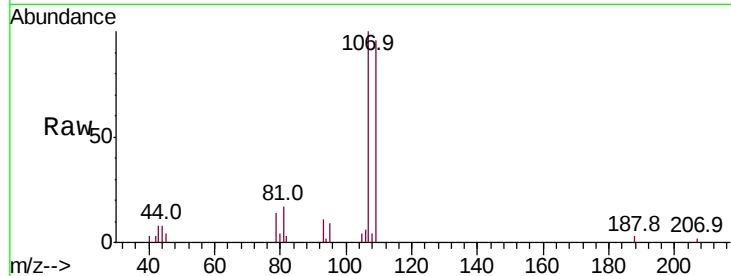
LOQ-WATER-02-QT4-2020

Tot Ion:107 Resp: 15017

Ion Ratio Lower Upper

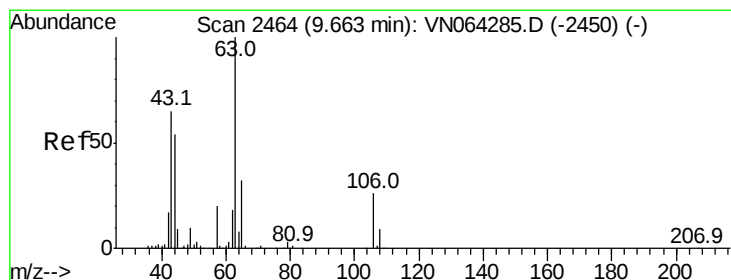
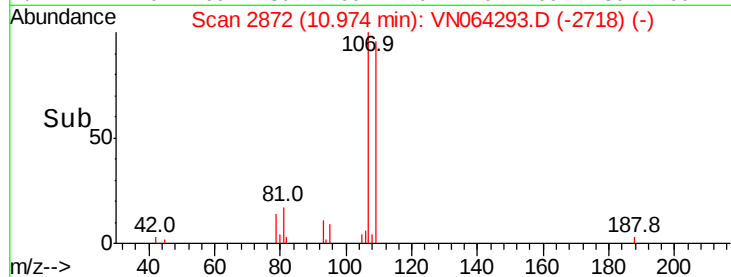
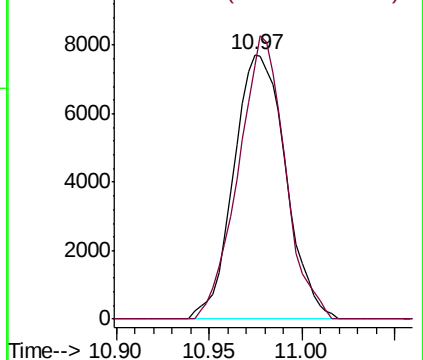
107 100

109 96.4 75.7 113.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#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

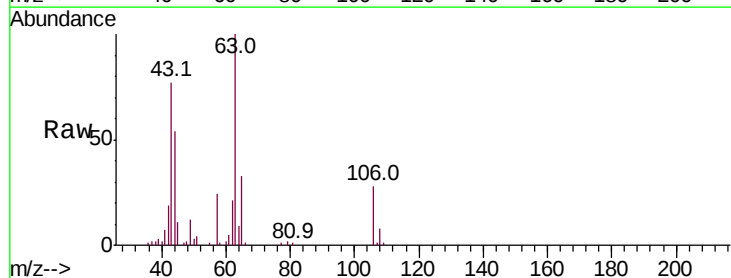
Tgt Ion: 63 Resp: 56367

Ion Ratio Lower Upper

63 100

65 32.1 25.2 37.8

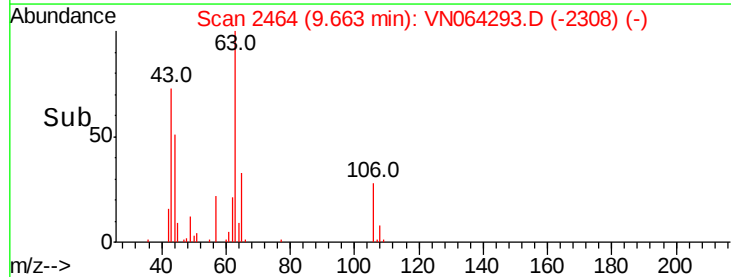
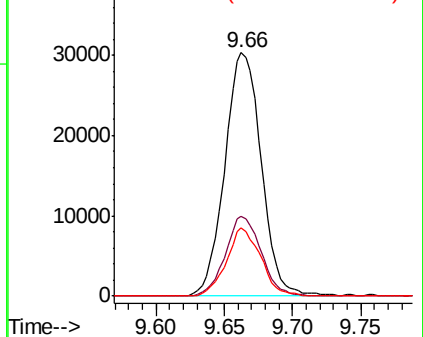
106 26.3 20.6 31.0

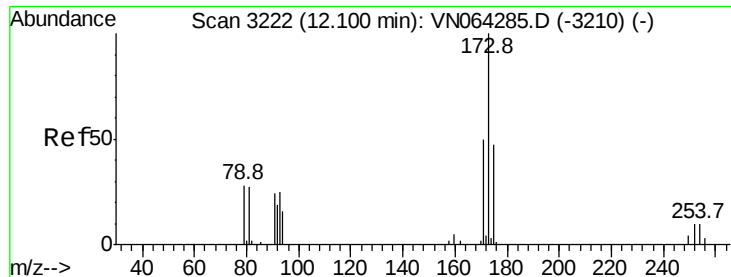


Abundance Ion 63.00 (62.70 to 63.70): V

Ion 65.00 (64.70 to 65.70): V

Ion 106.00 (105.70 to 106.70): V

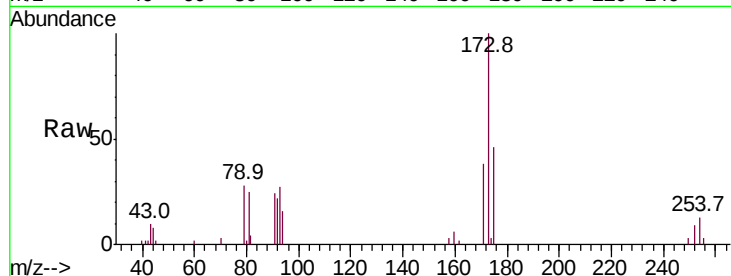




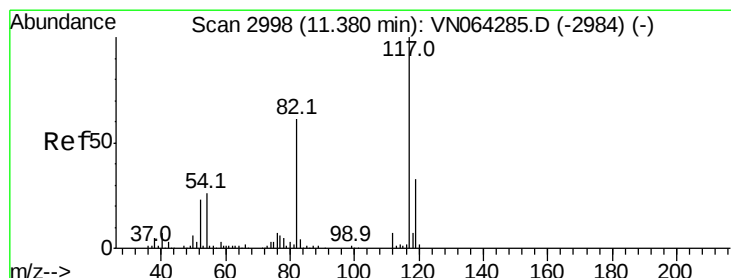
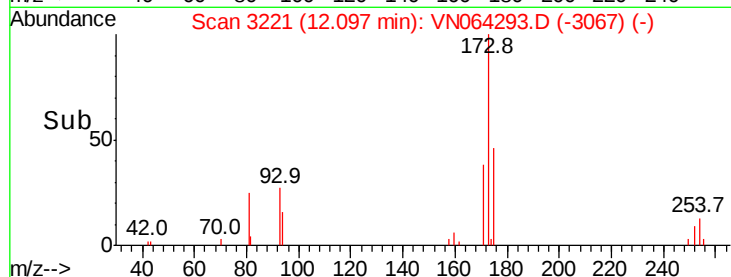
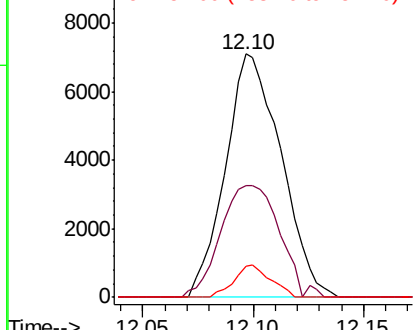
#56
Bromoform
Concen: 4.499 ug/l
RT: 12.10 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

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

Tot Ion:173 Resp: 12462
Ion Ratio Lower Upper
173 100
175 47.6 39.5 59.3
254 8.7 5.0 7.4#

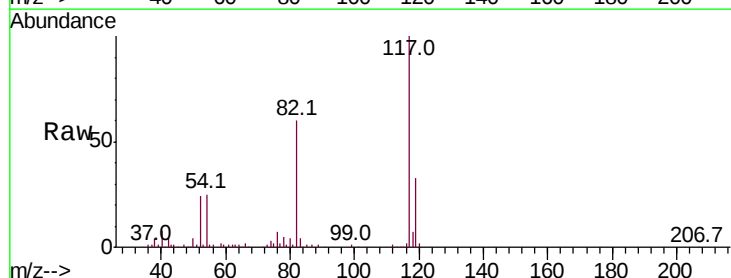


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

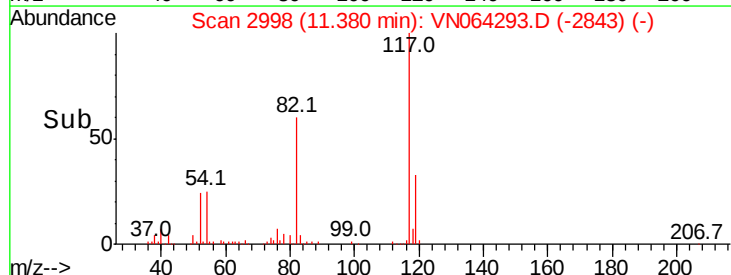
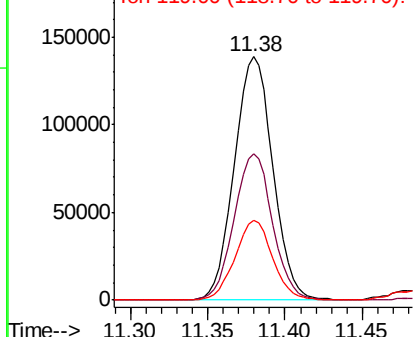


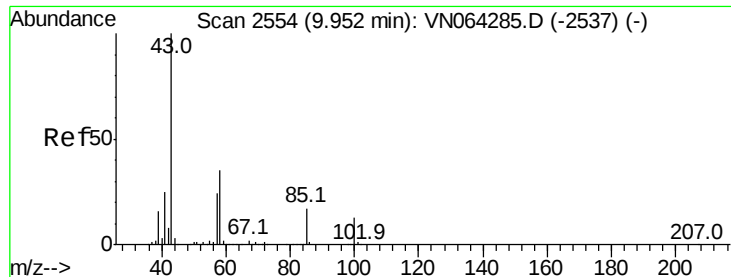
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

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



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

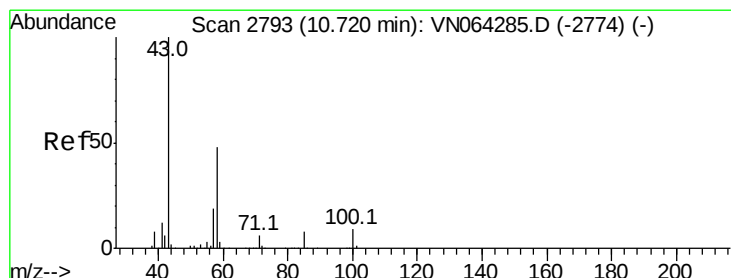
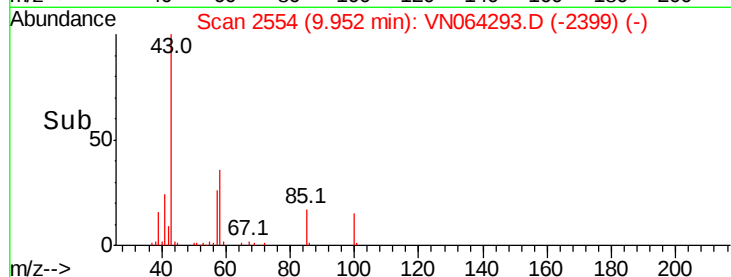
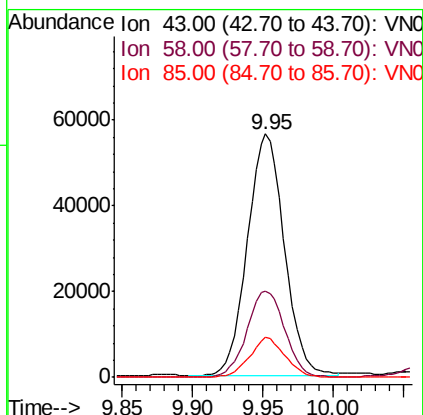
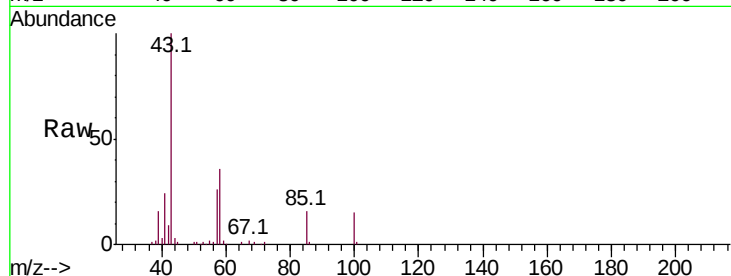




#58
4-Methyl-2-Pentanone
Concen: 25.122 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

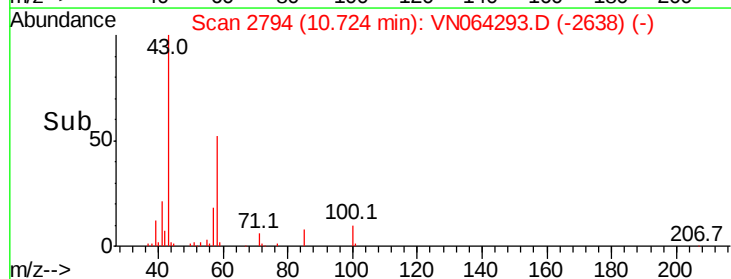
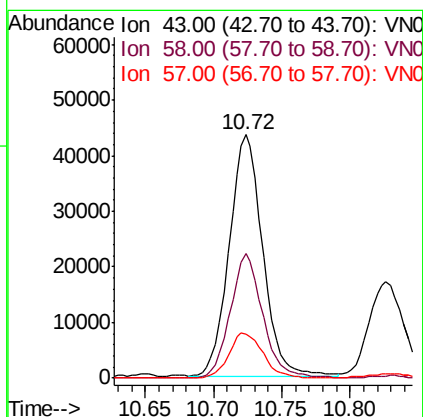
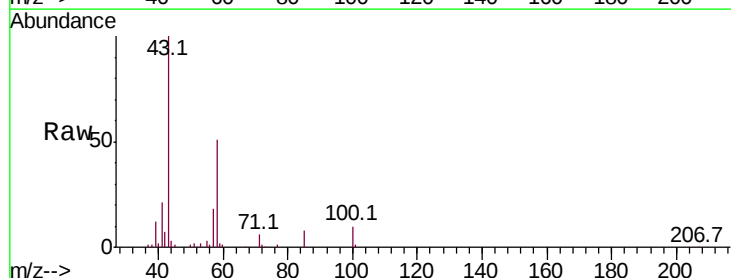
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

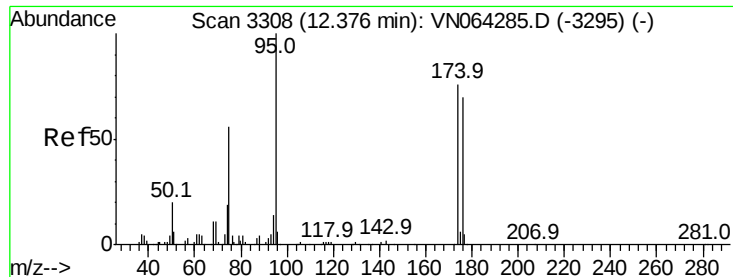
Tot Ion	Ratio	Lower	Upper
43	100		
58	36.4	28.6	43.0
85	15.6	13.7	20.5



#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

Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.4	40.5	60.7
57	18.8	15.4	23.0

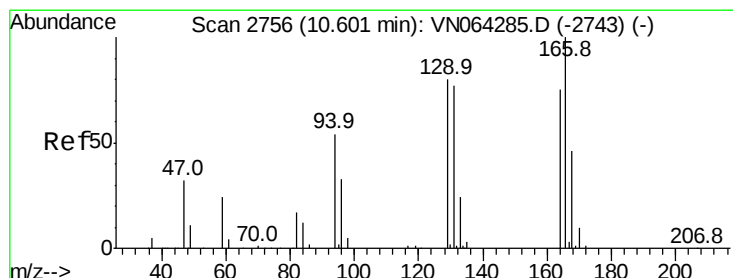
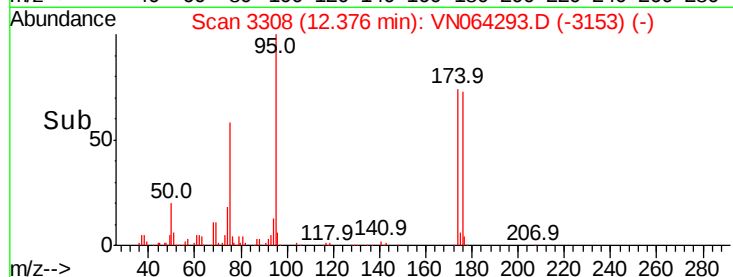
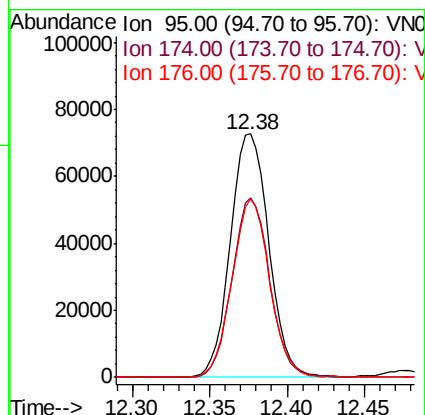
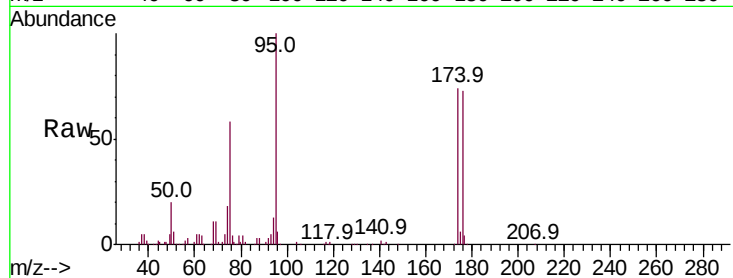




#60
4-Bromofluorobenzene
Concen: 29.344 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

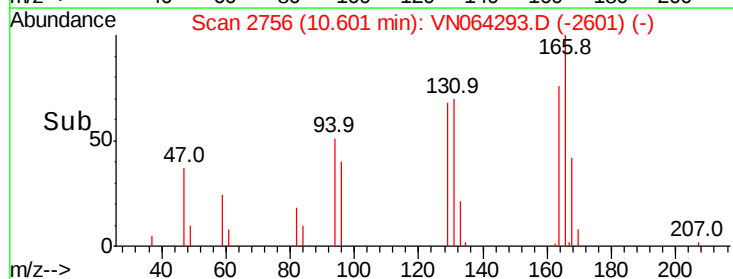
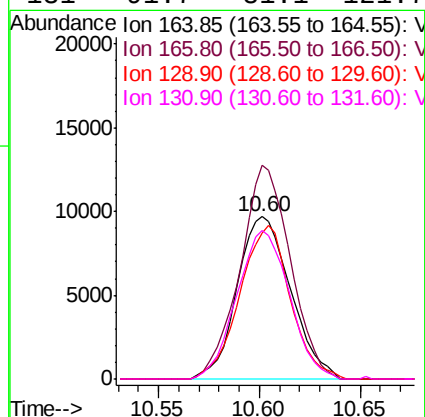
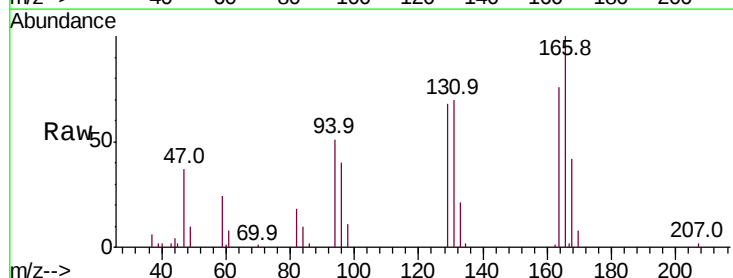
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

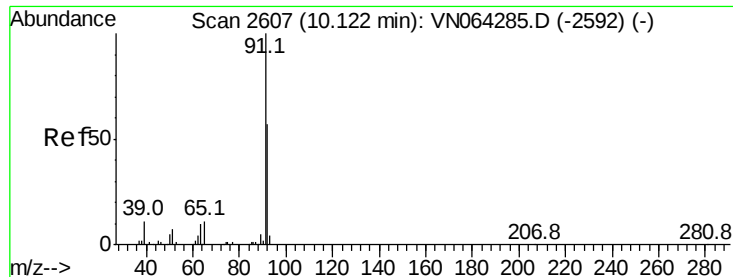
Tot Ion: 95 Resp: 125577
Ion Ratio Lower Upper
95 100
174 72.2 57.9 86.9
176 71.2 56.7 85.1



#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

Tgt Ion: 164 Resp: 17980
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





#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

Instrument :

MSVOA_N

ClientSampleId :

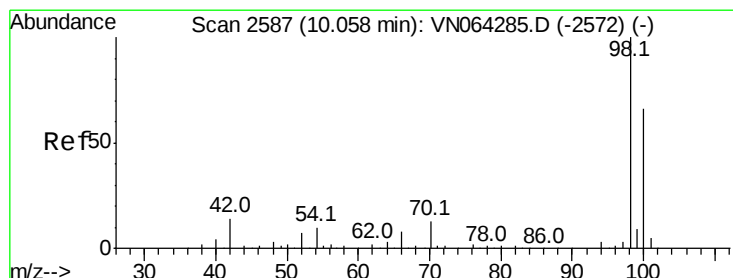
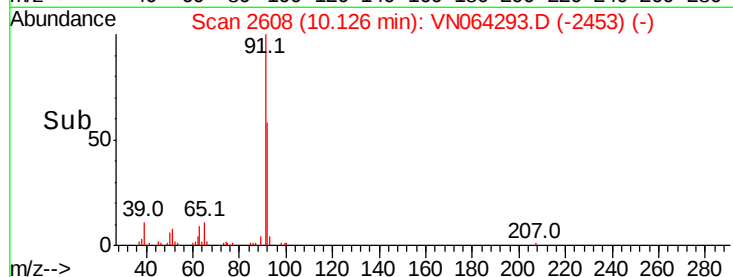
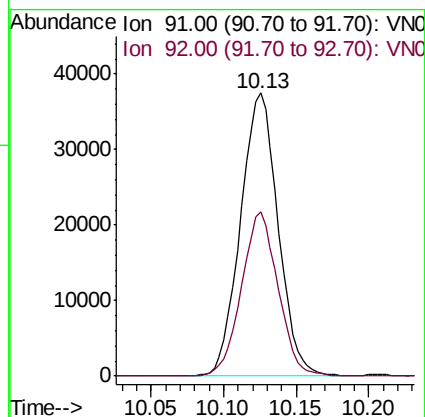
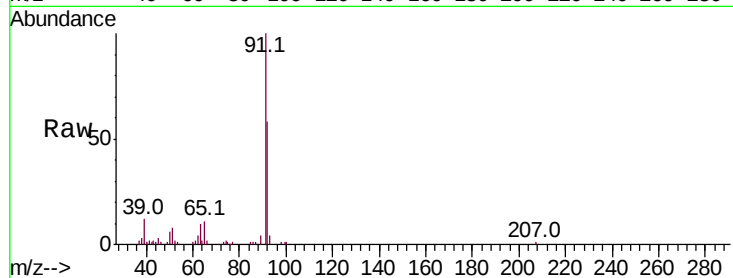
LOQ-WATER-02-QT4-2020

Tot Ion: 91 Resp: 67672

Ion Ratio Lower Upper

91 100

92 56.3 46.4 69.6



#63

Toluene-d8

Concen: 30.463 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064293.D

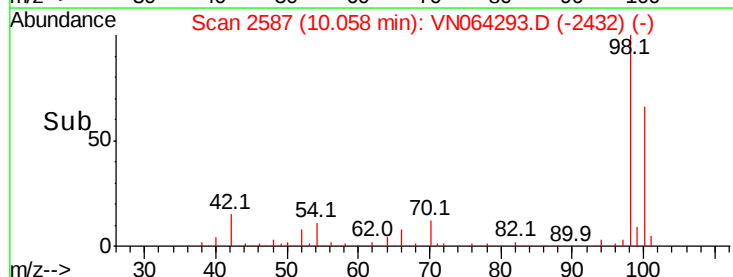
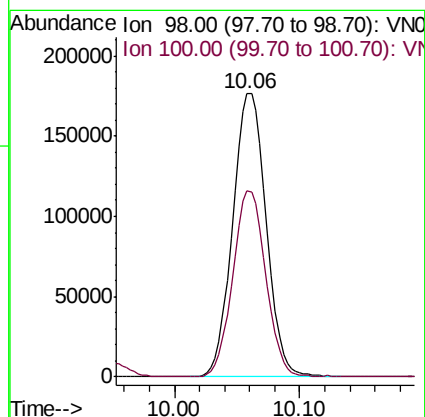
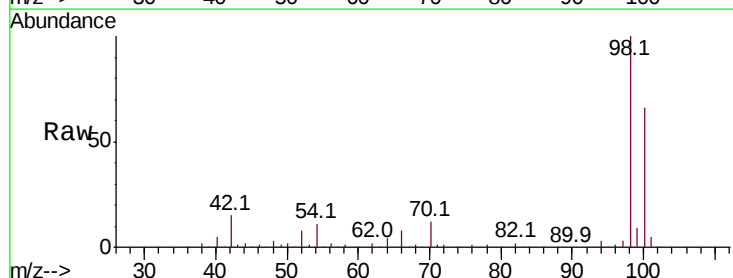
Acq: 23 Oct 2020 18:06

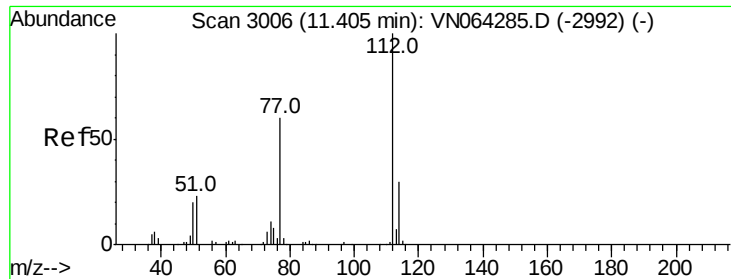
Tgt Ion: 98 Resp: 327389

Ion Ratio Lower Upper

98 100

100 64.6 51.7 77.5





#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

Instrument :

MSVOA_N

ClientSampleId :

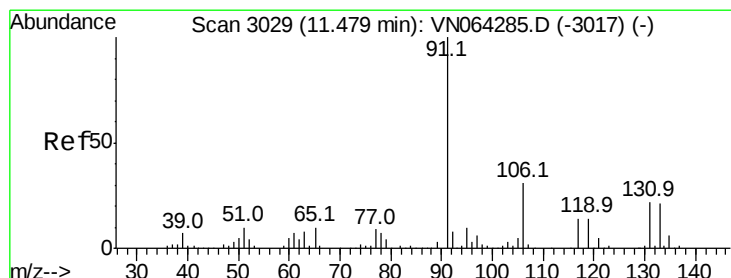
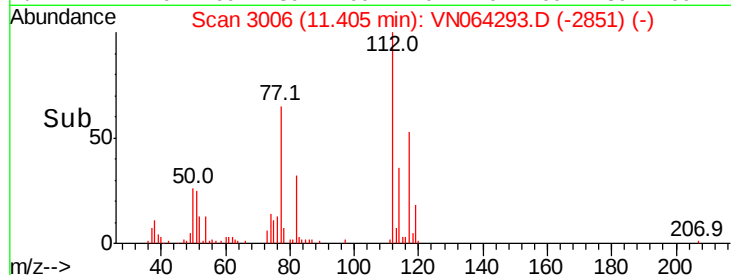
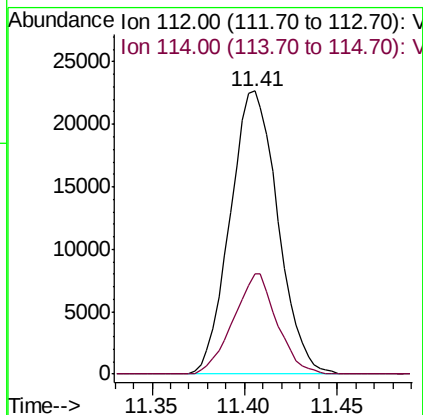
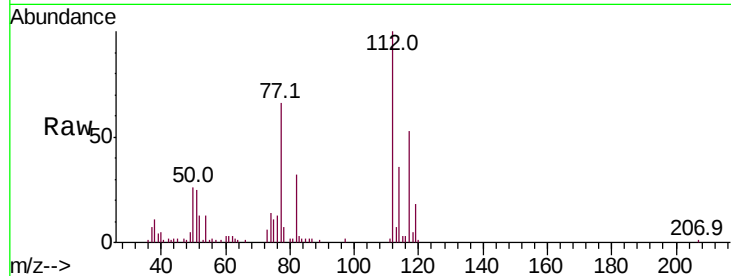
LOQ-WATER-02-QT4-2020

Tot 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

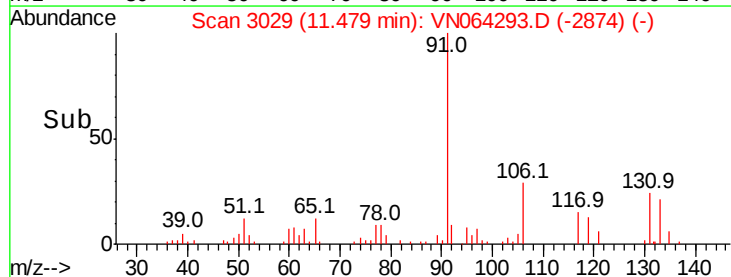
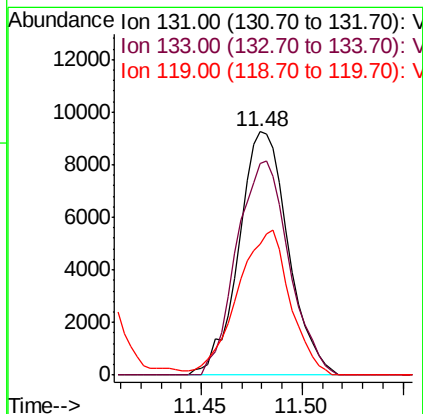
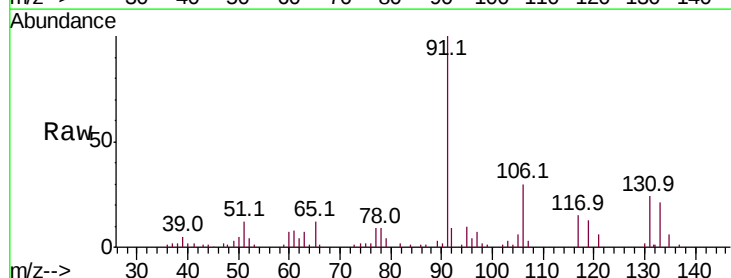
Tgt Ion:131 Resp: 15841

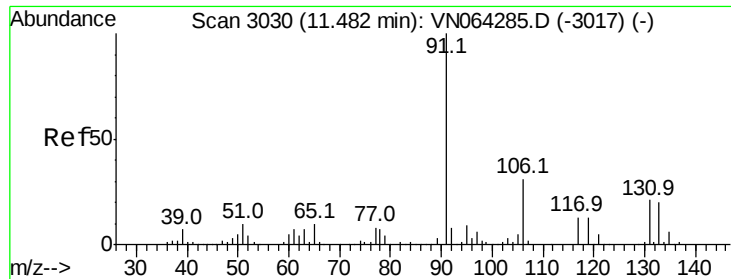
Ion Ratio Lower Upper

131 100

133 93.3 0.0 193.4

119 63.5 0.0 125.2





#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

Instrument :

MSVOA_N

ClientSampleId :

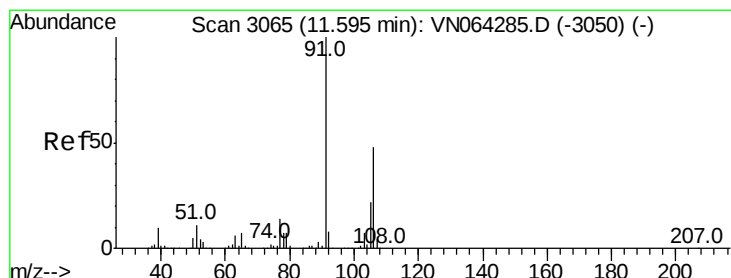
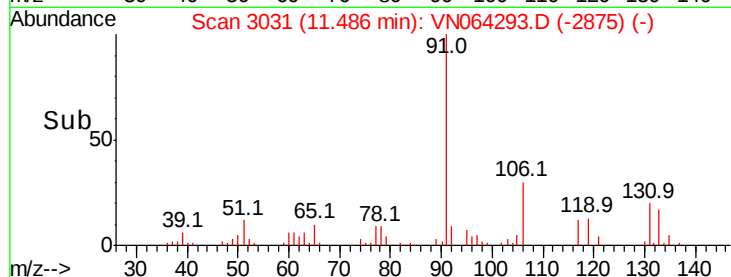
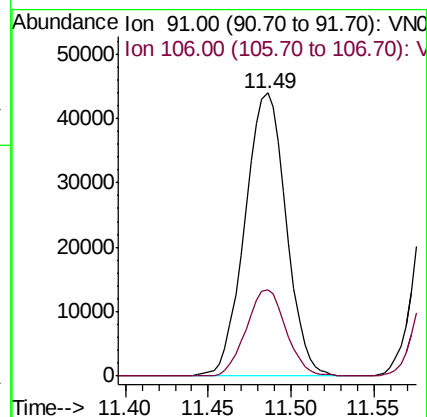
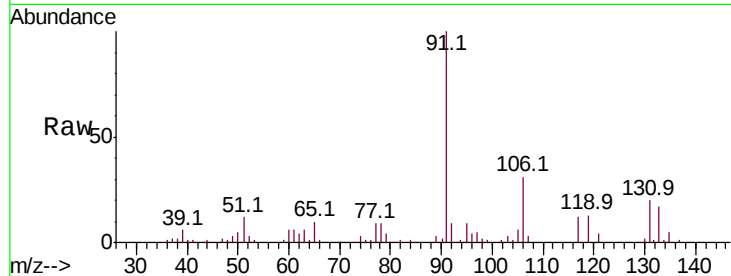
LOQ-WATER-02-QT4-2020

Tot Ion: 91 Resp: 75904

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

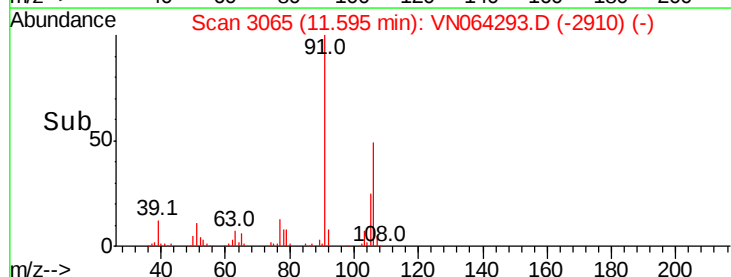
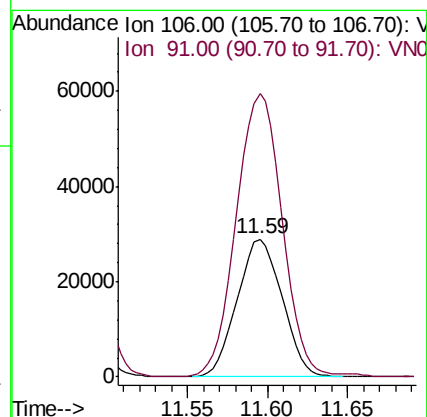
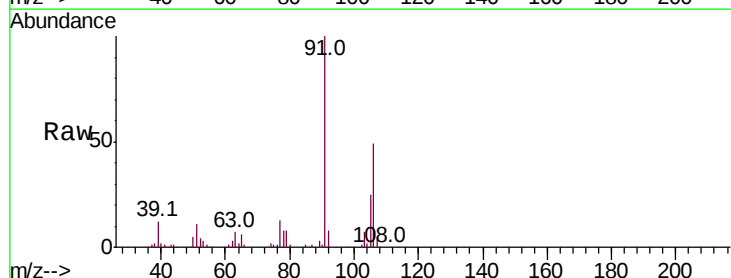
Acq: 23 Oct 2020 18:06

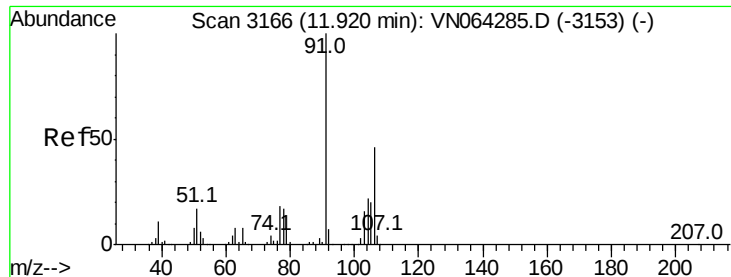
Tgt Ion: 106 Resp: 55586

Ion Ratio Lower Upper

106 100

91 209.3 170.6 255.8

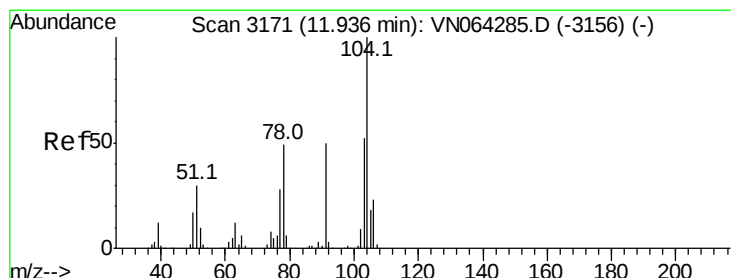
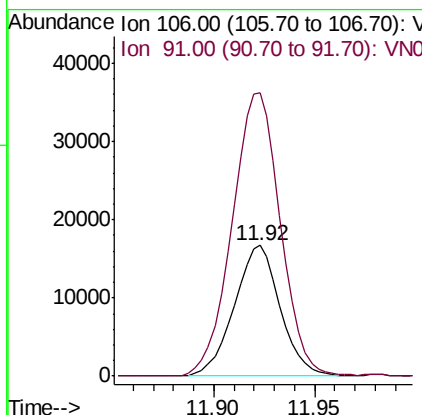
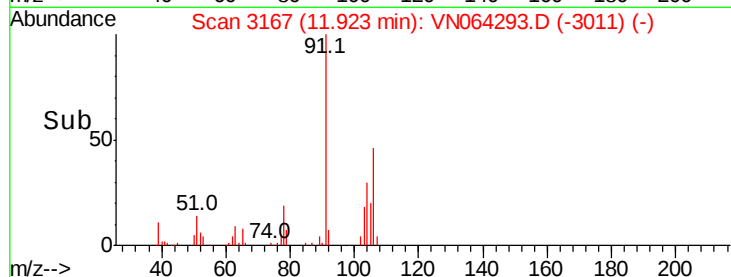
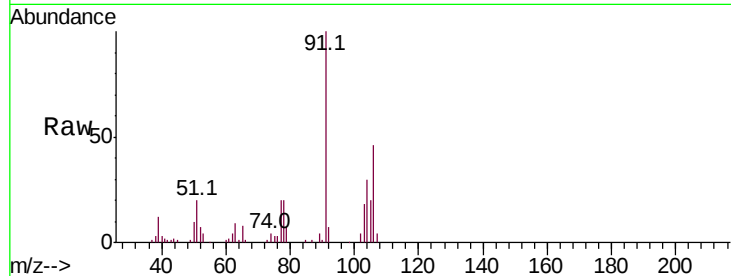




#68
o-Xylene
Concen: 4.654 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

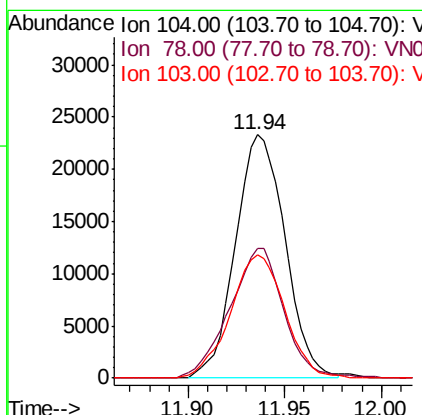
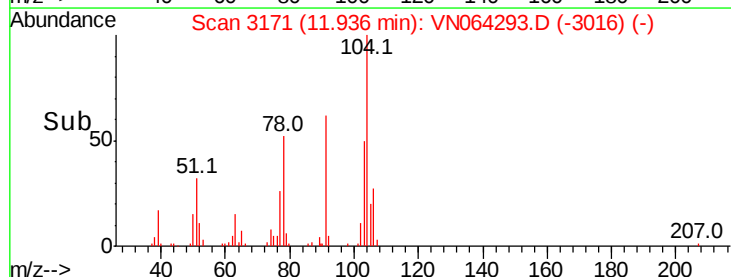
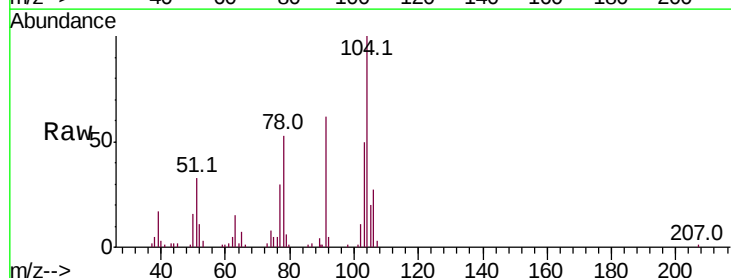
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

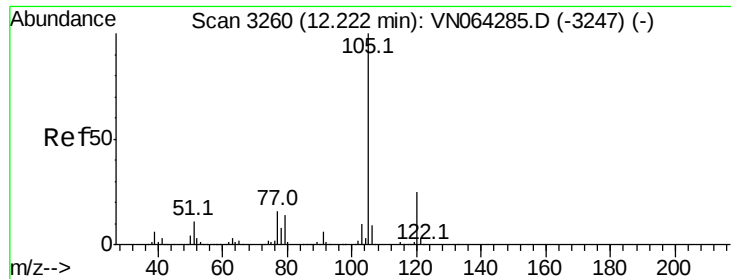
Tot Ion:106 Resp: 26594
Ion Ratio Lower Upper
106 100
91 227.8 115.3 346.0



#69
Styrene
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

Tgt Ion:104 Resp: 41590
Ion Ratio Lower Upper
104 100
78 58.3 45.4 68.2
103 55.4 44.6 67.0





#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

Instrument :

MSVOA_N

ClientSampleId :

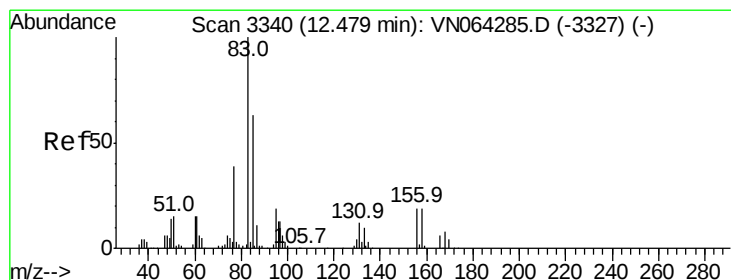
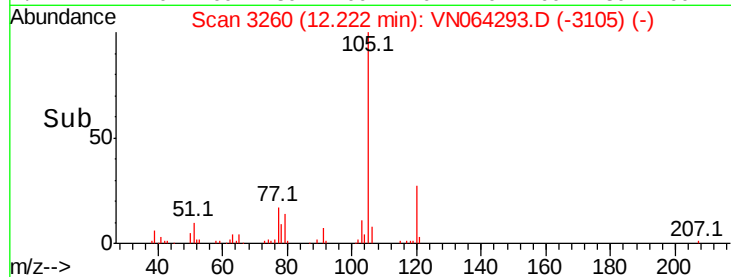
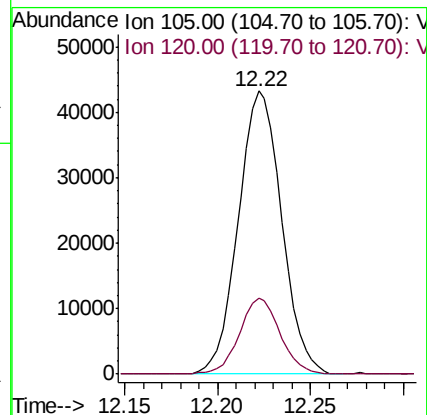
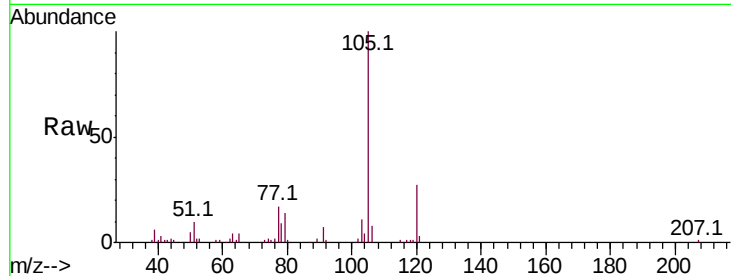
LOQ-WATER-02-QT4-2020

Tot Ion:105 Resp: 70105

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

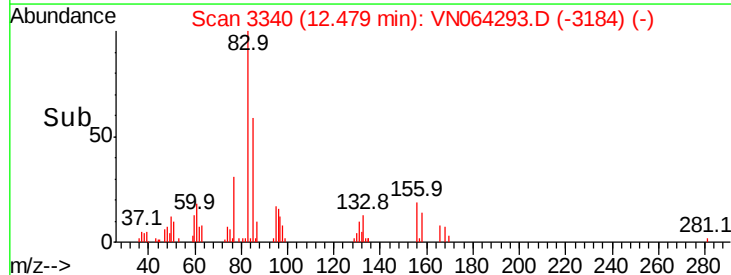
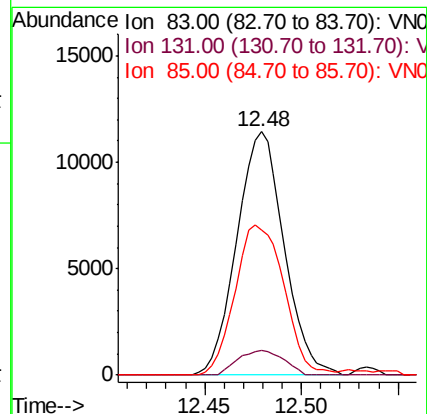
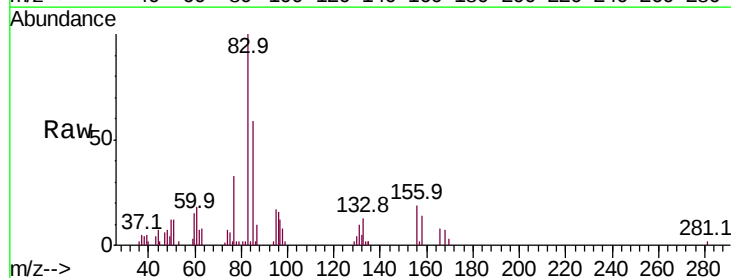
Tgt Ion: 83 Resp: 19392

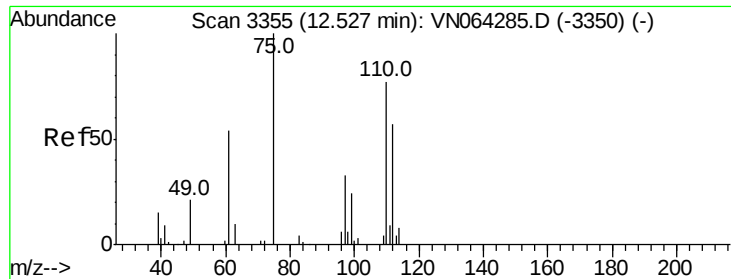
Ion Ratio Lower Upper

83 100

131 9.7 5.7 17.0

85 63.9 33.3 99.8





#72

1,2,3-Trichloropropane

Concen: 7.030 ug/l

RT: 12.52 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN064293.D

Acq: 23 Oct 2020 18:06

Instrument :

MSVOA_N

ClientSampleId :

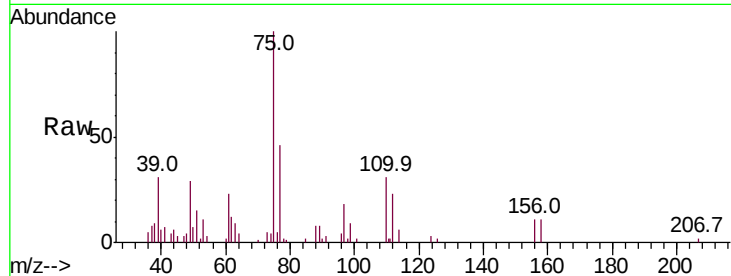
LOQ-WATER-02-QT4-2020

Tot Ion: 75 Resp: 29583

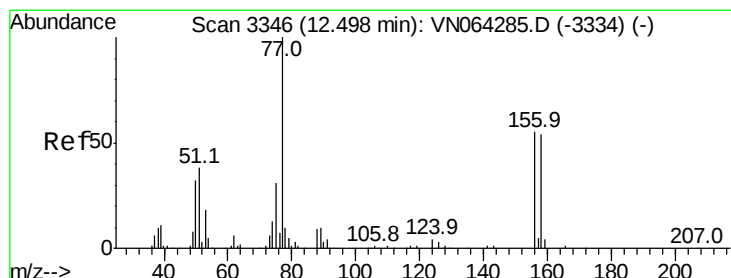
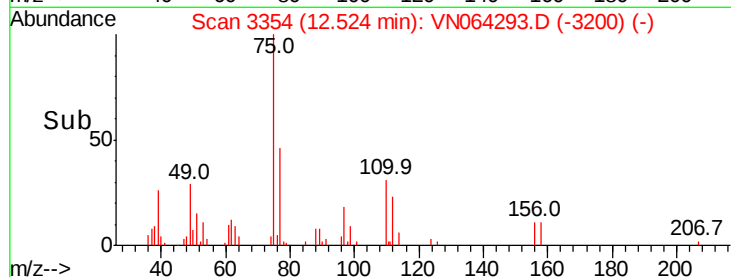
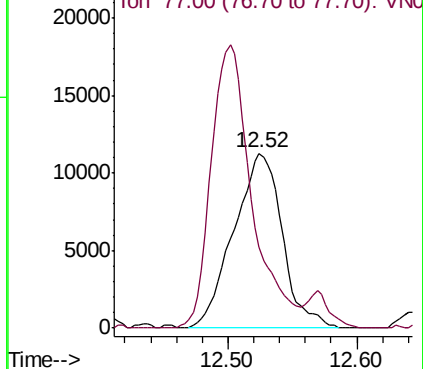
Ion Ratio Lower Upper

75 100

77 135.3 0.0 365.2



Abundance Ion 75.00 (74.70 to 75.70): VN064285.D (-3350) (-)



#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

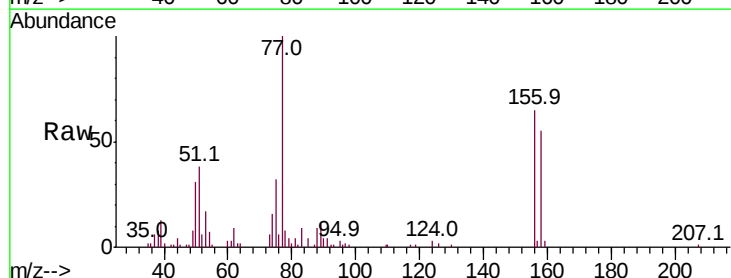
Tgt Ion: 156 Resp: 18762

Ion Ratio Lower Upper

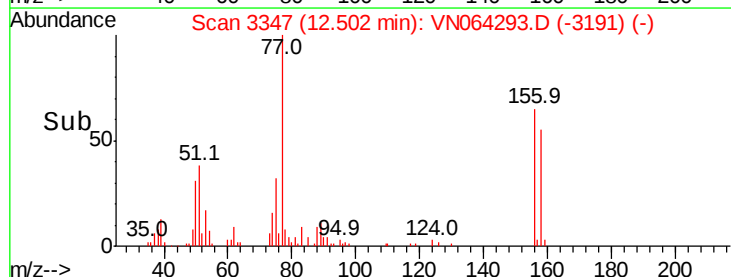
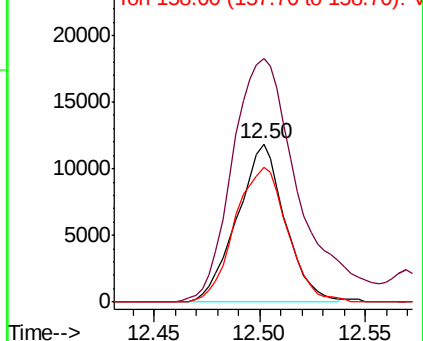
156 100

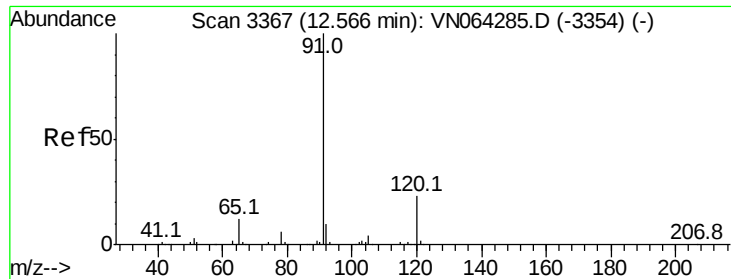
77 213.4 0.0 450.2

158 93.3 0.0 194.8



Abundance Ion 156.00 (155.70 to 156.70): VN064285.D (-3334) (-)





#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

Instrument :

MSVOA_N

ClientSampleId :

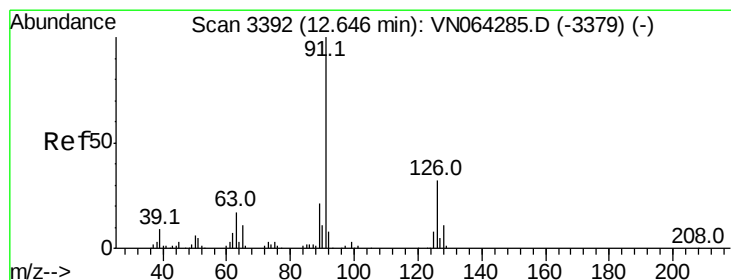
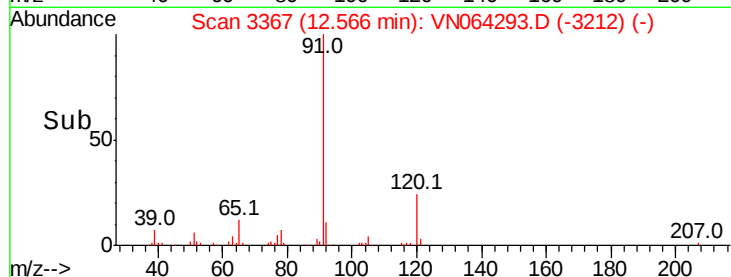
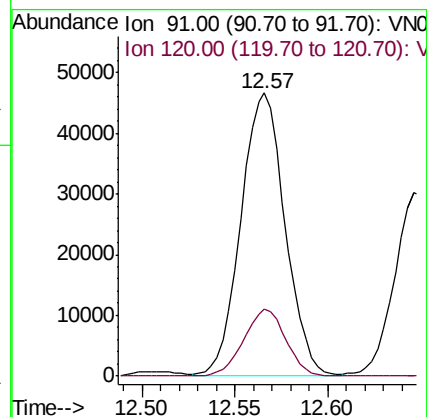
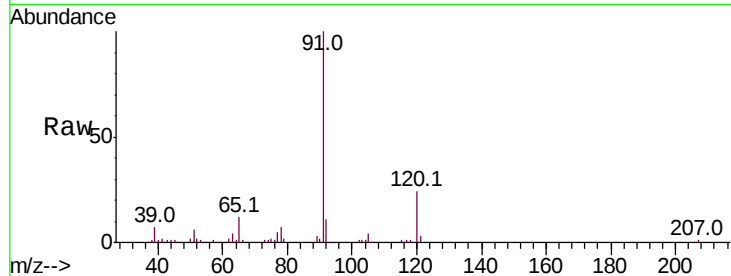
LOQ-WATER-02-QT4-2020

Tot Ion: 91 Resp: 77116

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

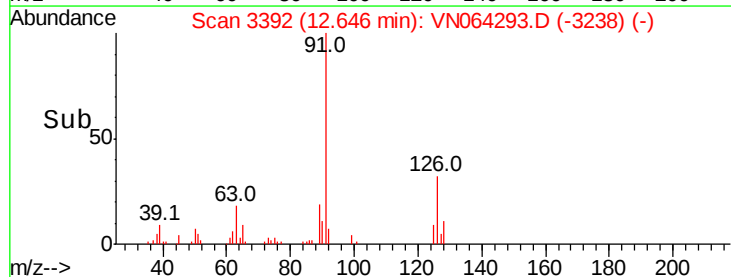
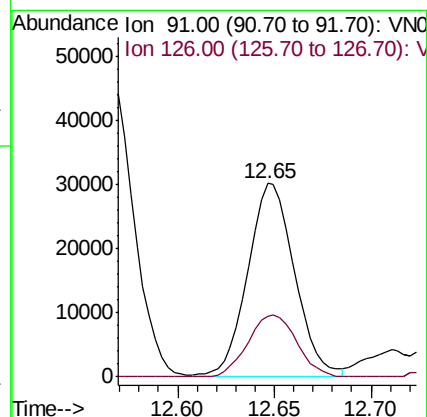
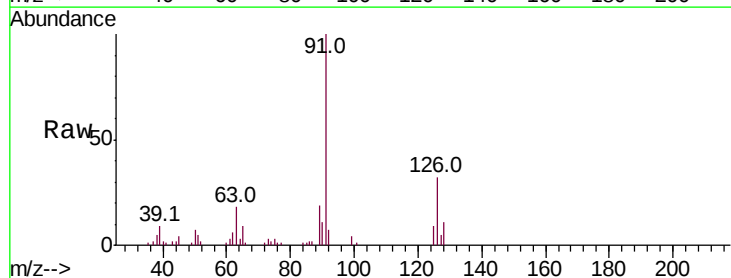
Acq: 23 Oct 2020 18:06

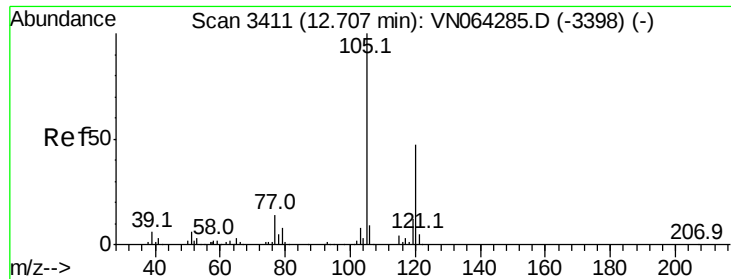
Tgt Ion: 91 Resp: 51190

Ion Ratio Lower Upper

91 100

126 33.3 0.0 62.8





#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

Instrument :

MSVOA_N

ClientSampleId :

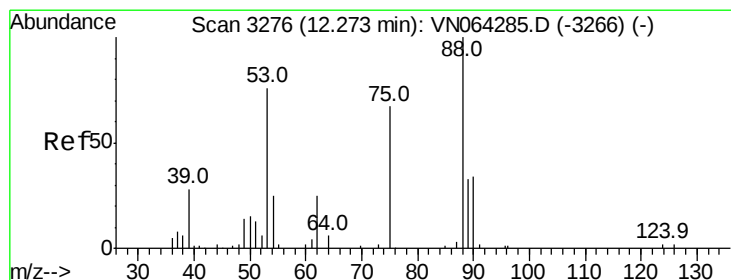
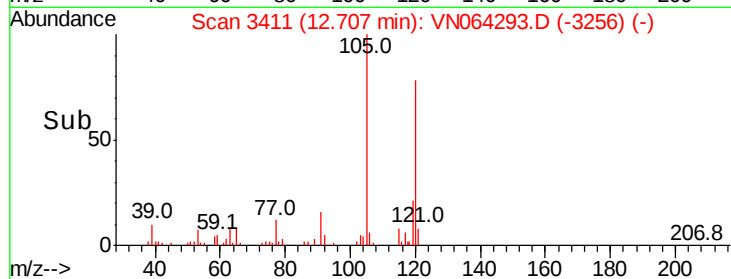
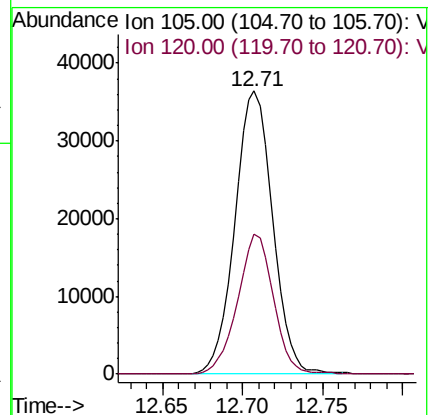
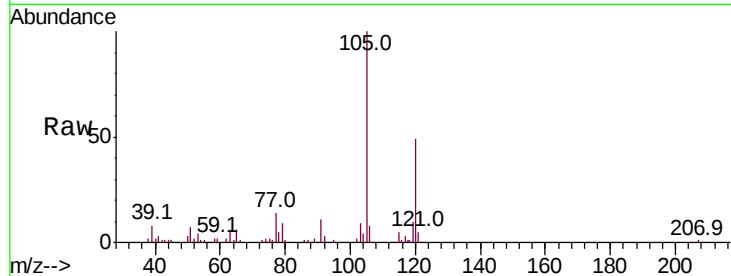
LOQ-WATER-02-QT4-2020

Tot Ion:105 Resp: 58568

Ion Ratio Lower Upper

105 100

120 46.5 0.0 92.8



#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

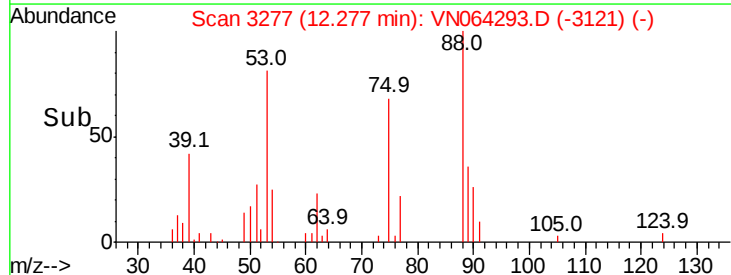
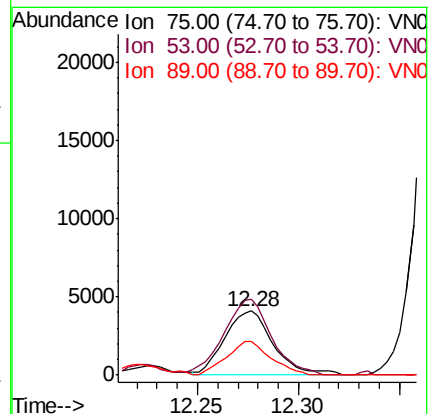
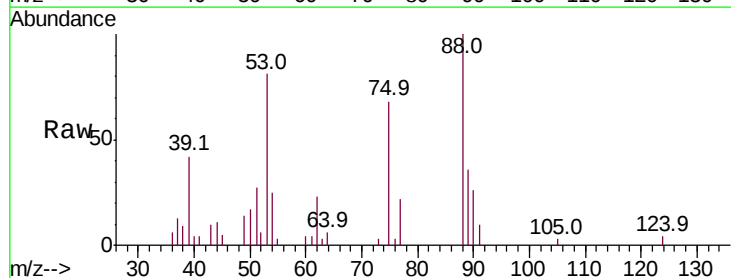
Tgt Ion: 75 Resp: 6878

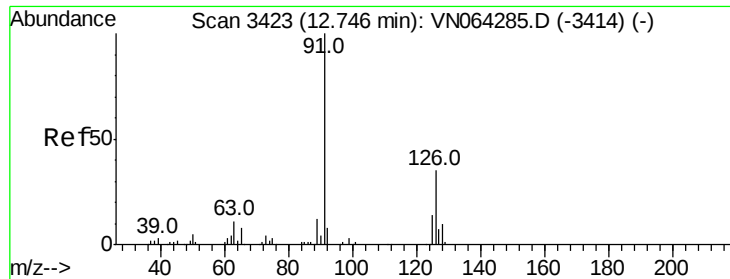
Ion Ratio Lower Upper

75 100

53 119.2 44.8 134.3

89 52.6 22.2 66.6

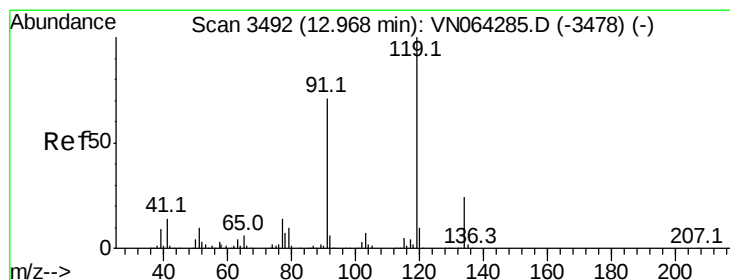
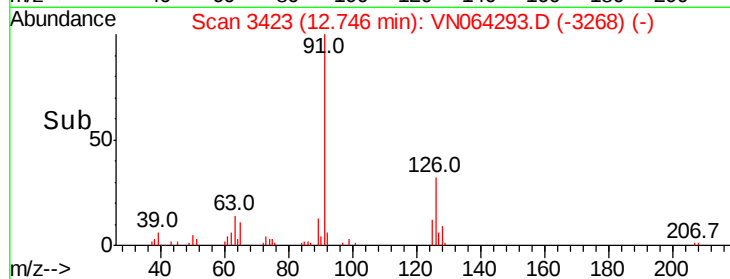
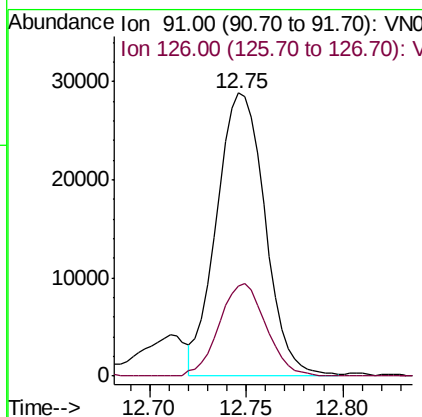
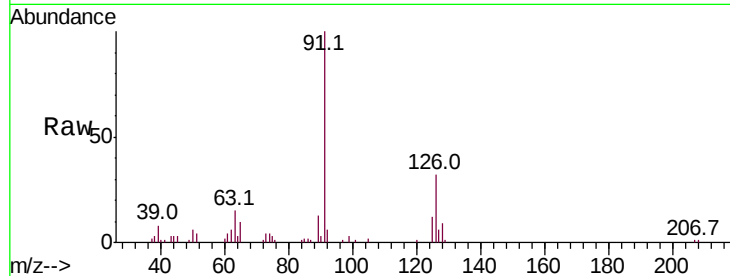




#78
4-Chlorotoluene
Concen: 4.510 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

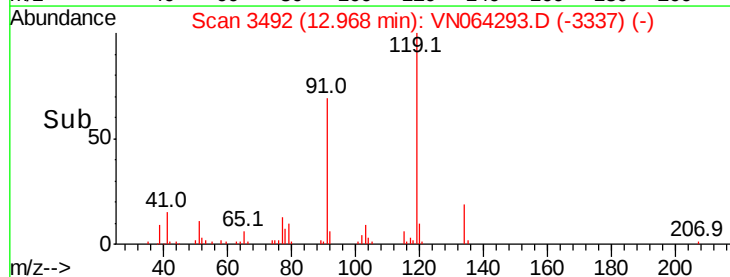
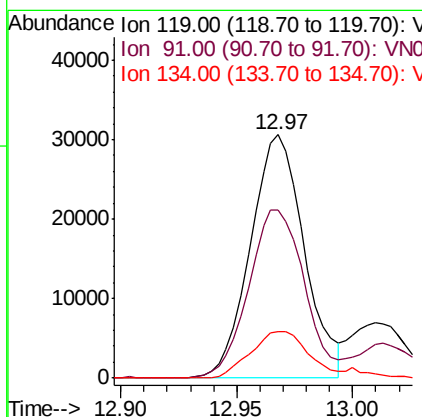
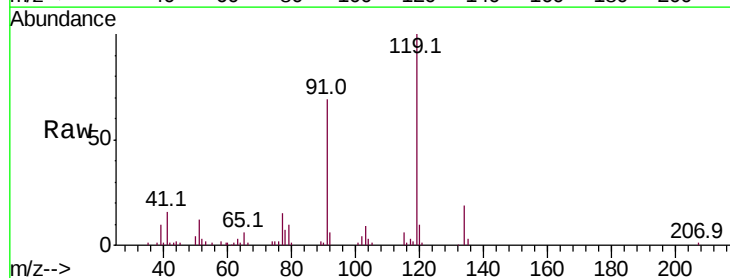
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

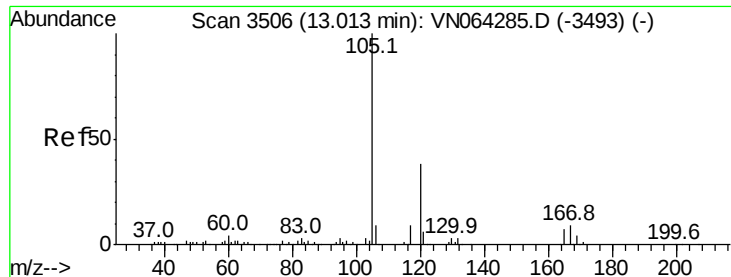
Tot Ion: 91 Resp: 50333
Ion Ratio Lower Upper
91 100
126 31.5 0.0 62.2



#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

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





#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

Instrument :

MSVOA_N

ClientSampleId :

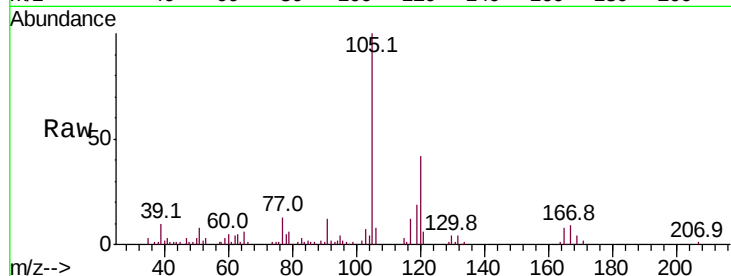
LOQ-WATER-02-QT4-2020

Tot Ion:105 Resp: 57440

Ion Ratio Lower Upper

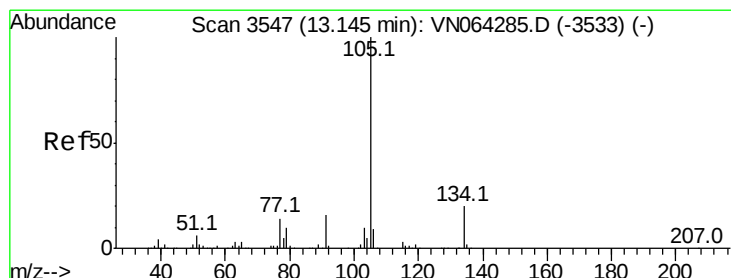
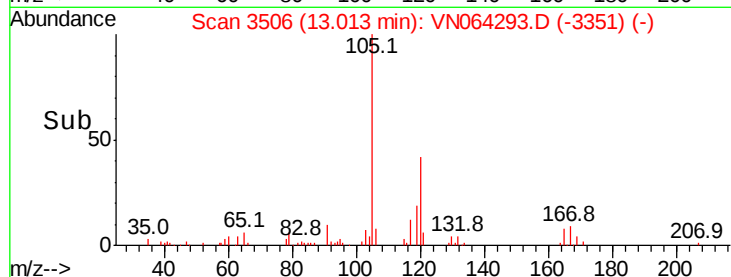
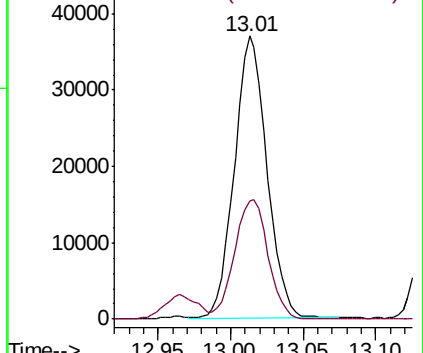
105 100

120 43.6 0.0 87.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

sec-Butylbenzene

Concen: 4.493 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064293.D

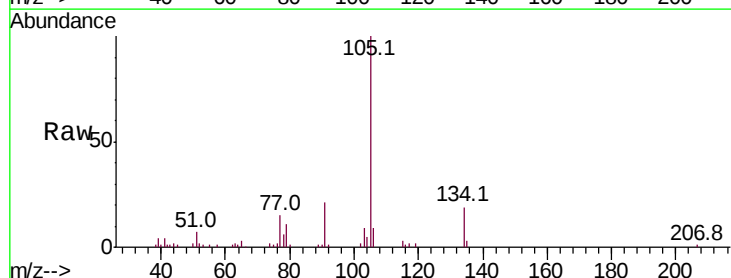
Acq: 23 Oct 2020 18:06

Tgt Ion:105 Resp: 61042

Ion Ratio Lower Upper

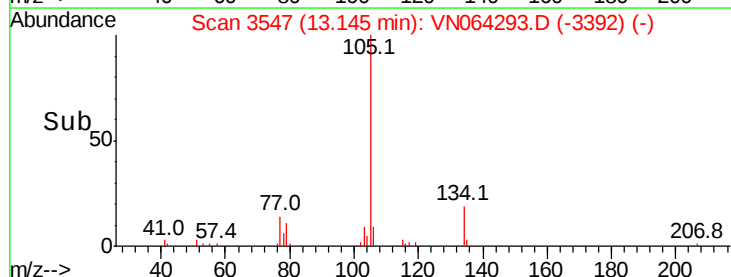
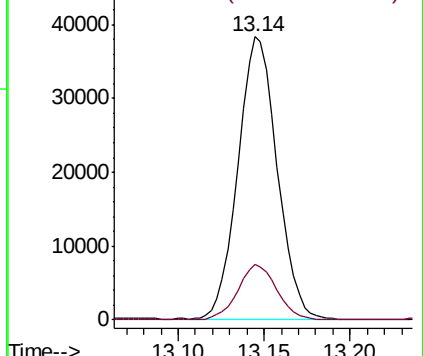
105 100

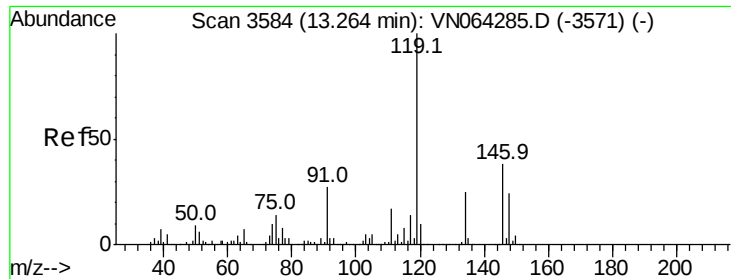
134 19.3 0.0 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#82

p-Isopropyltoluene

Concen: 4.508 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

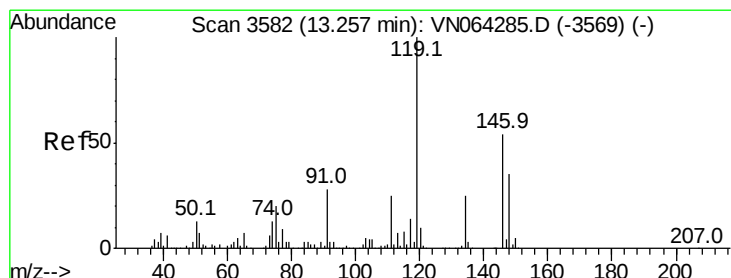
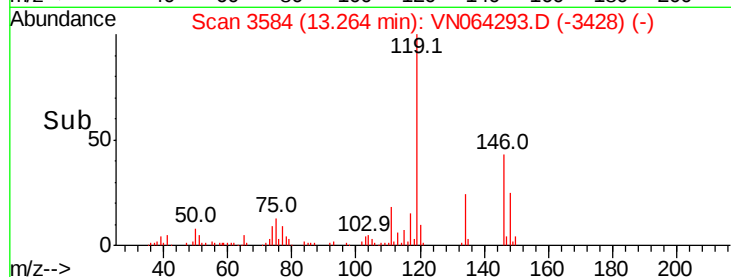
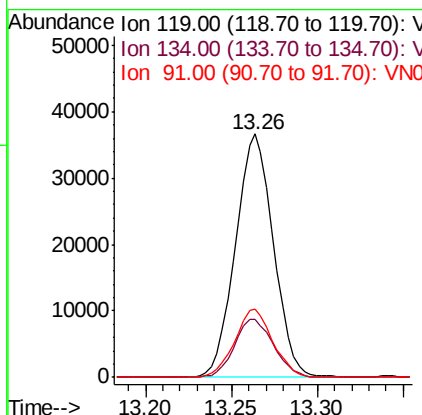
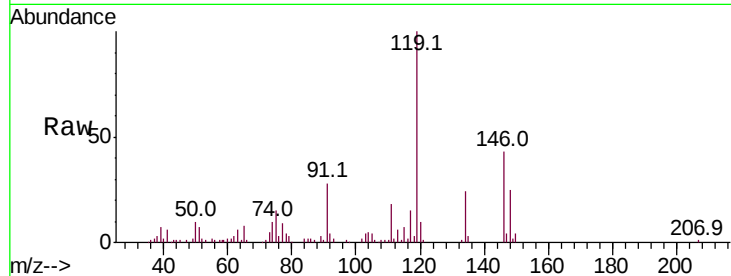
Lab File: VN064293.D

Acq: 23 Oct 2020 18:06

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

Tot Ion:119 Resp: 56201

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

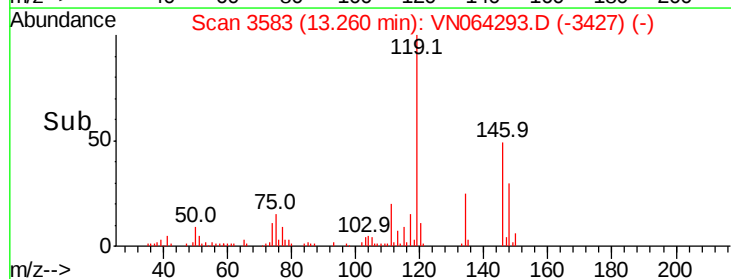
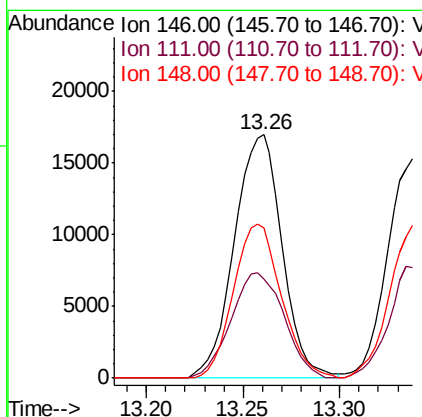
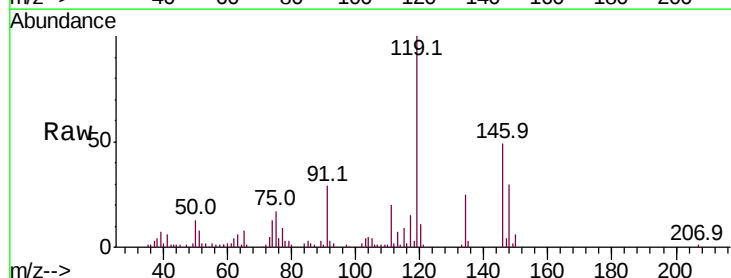
Delta R.T. 0.00 min

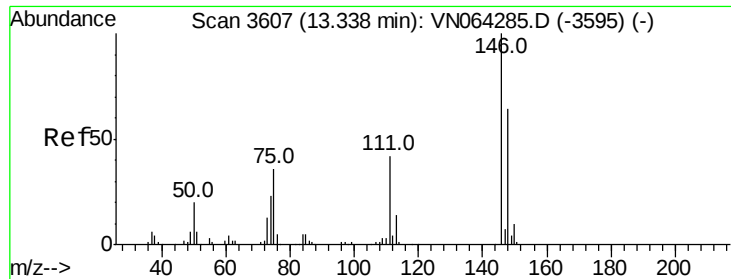
Lab File: VN064293.D

Acq: 23 Oct 2020 18:06

Tgt Ion:146 Resp: 29168

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





#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

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

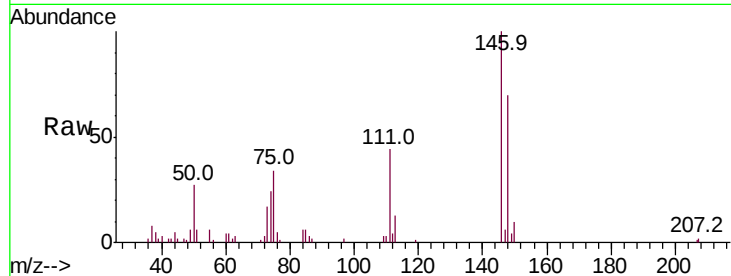
Tot Ion:146 Resp: 29017

Ion Ratio Lower Upper

146 100

111 44.2 20.3 61.0

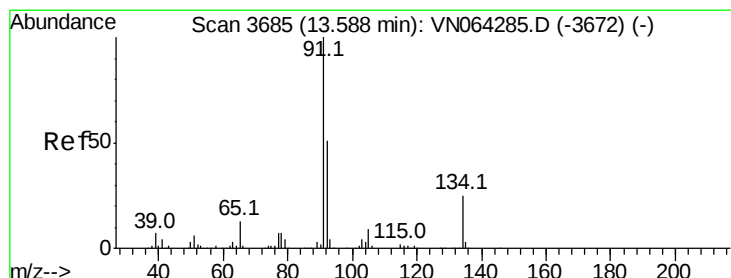
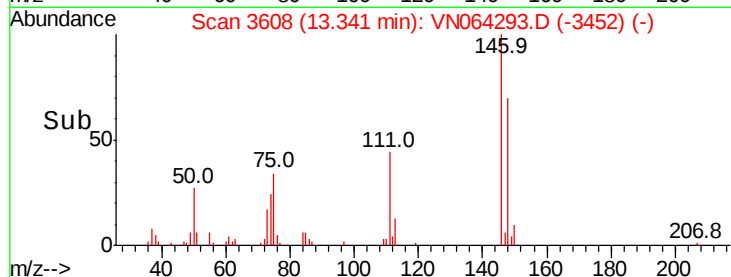
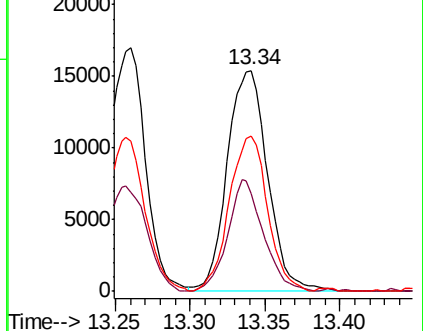
148 66.6 31.4 94.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#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

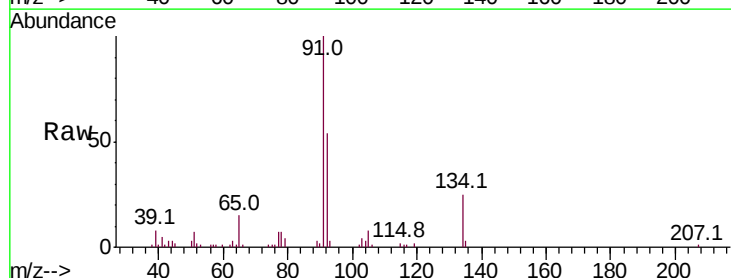
Tgt Ion: 91 Resp: 48360

Ion Ratio Lower Upper

91 100

92 50.4 0.0 110.0

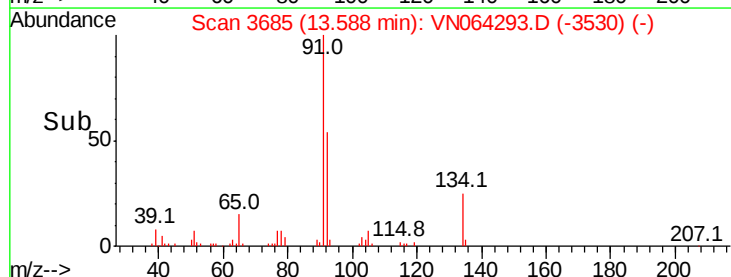
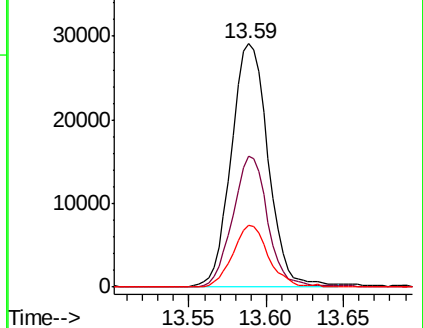
134 24.2 0.0 51.6

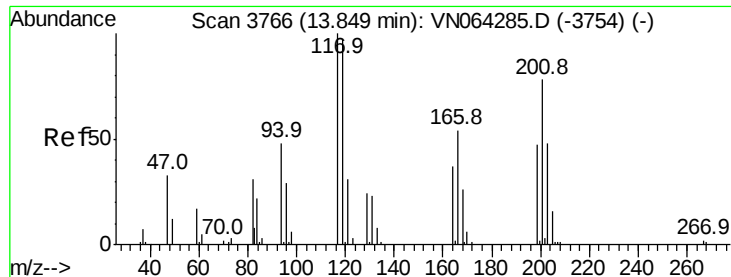


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

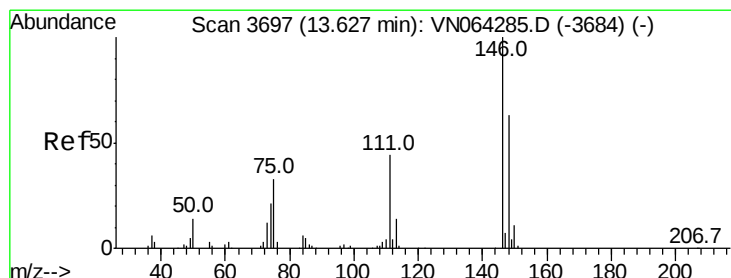
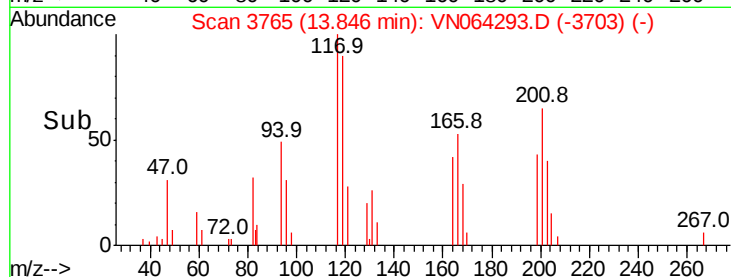
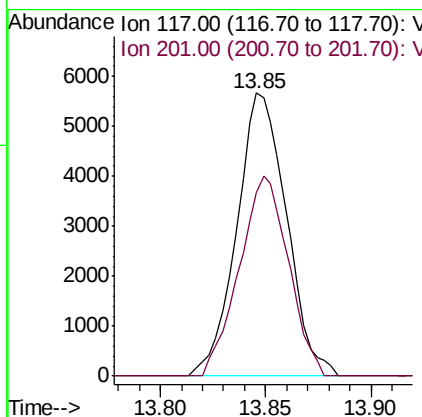
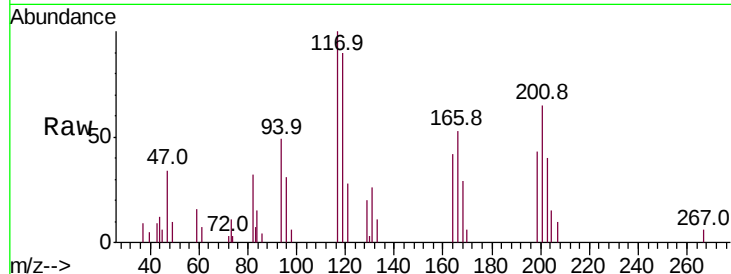




#86
Hexachloroethane
Concen: 4.423 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064293.D
Acq: 23 Oct 2020 18:06

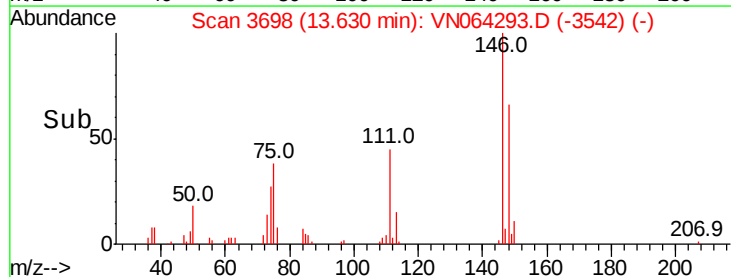
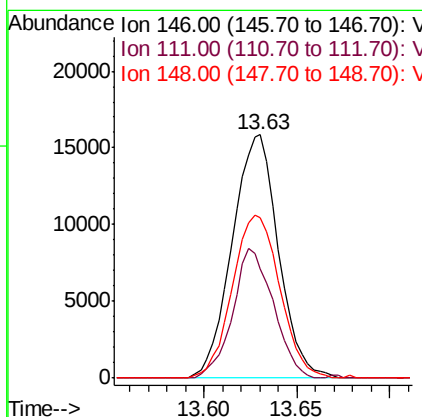
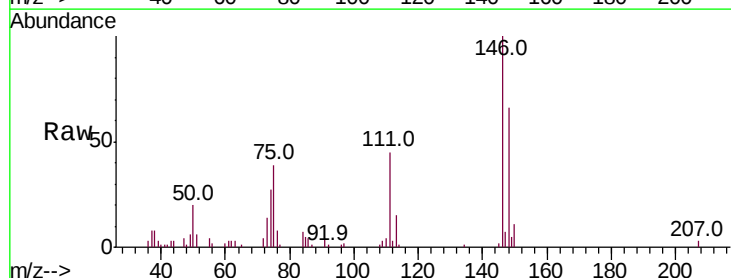
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

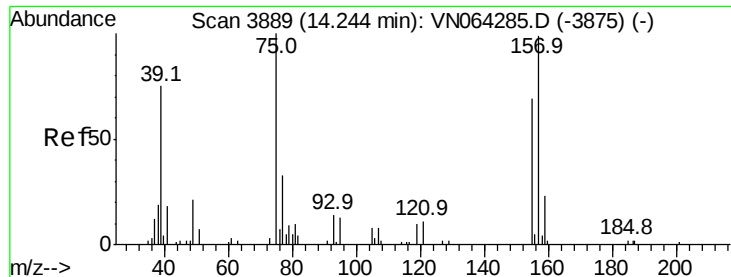
Tot Ion:117 Resp: 9311
Ion Ratio Lower Upper
117 100
201 69.6 37.2 111.6



#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

Tgt Ion:146 Resp: 27399
Ion Ratio Lower Upper
146 100
111 46.8 23.1 69.3
148 68.9 32.3 96.8





#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

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

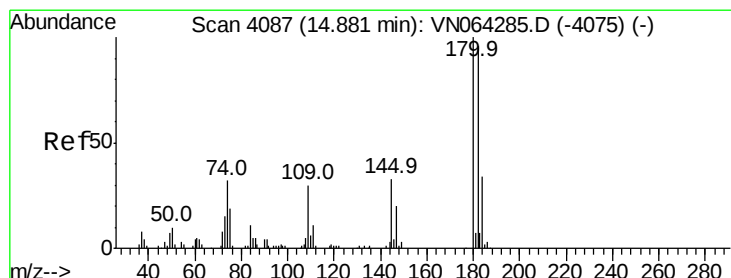
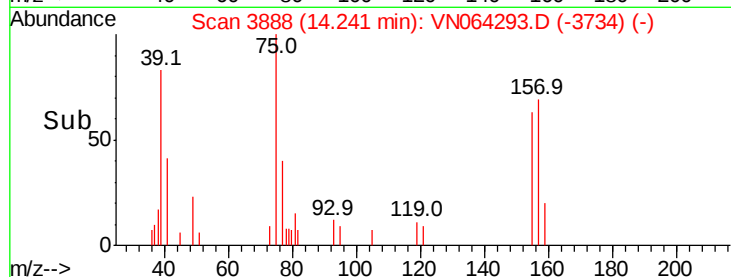
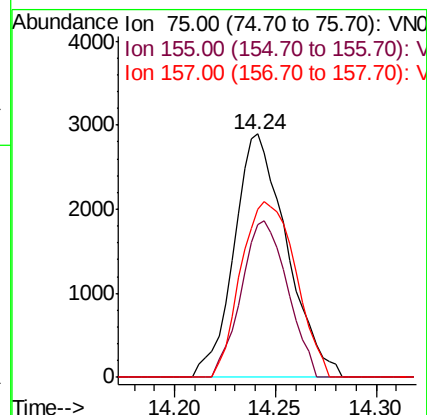
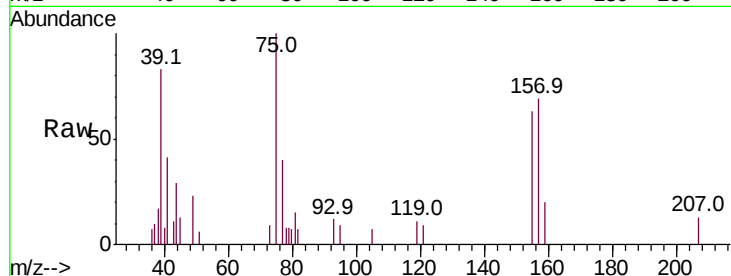
Tot Ion: 75 Resp: 5294

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

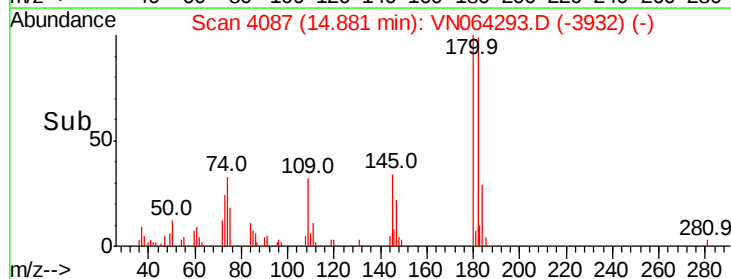
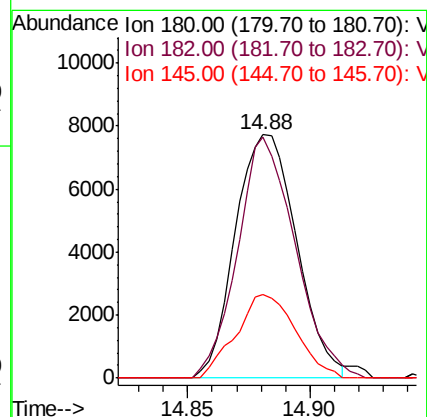
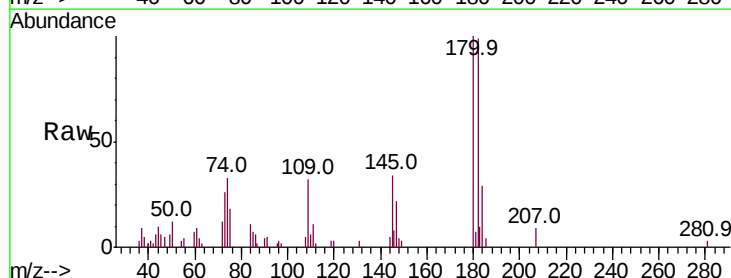
Tgt Ion:180 Resp: 13489

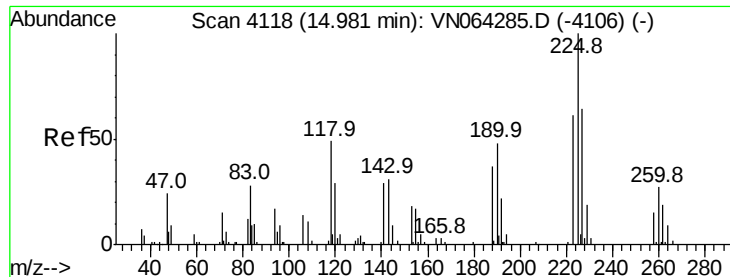
Ion Ratio Lower Upper

180 100

182 93.2 71.3 106.9

145 33.4 23.9 35.9





#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

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

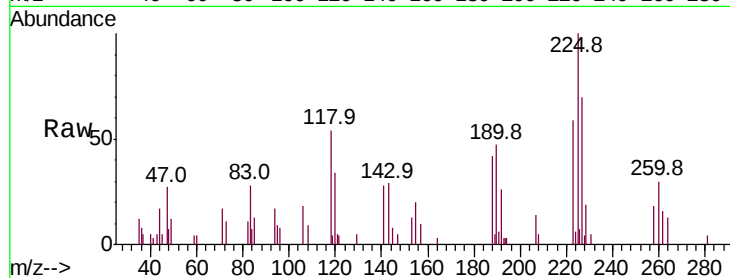
Tot Ion:225 Resp: 8452

Ion Ratio Lower Upper

225 100

223 62.8 0.0 129.8

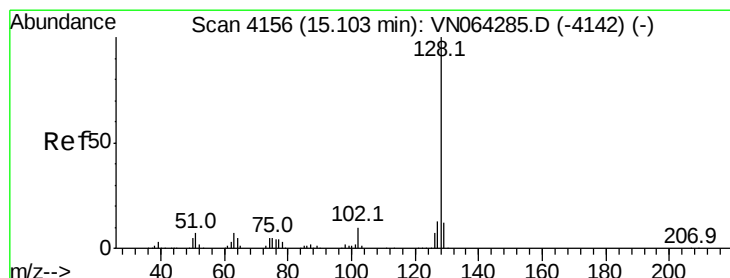
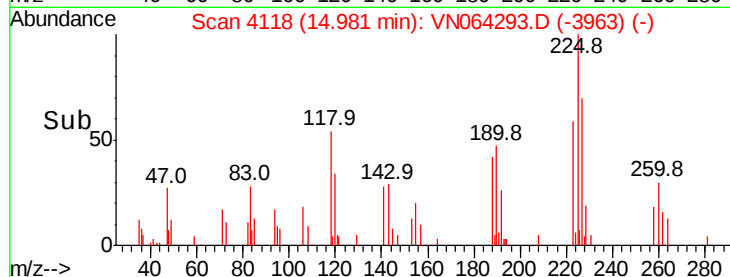
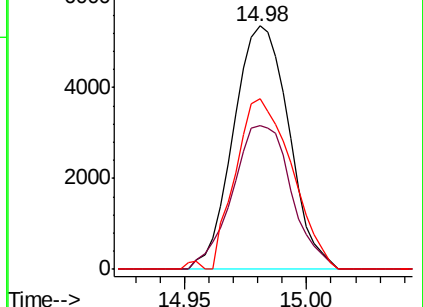
227 71.2 0.0 128.6



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#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

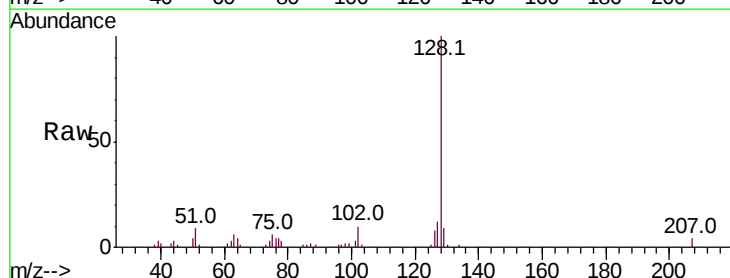
Tgt Ion:128 Resp: 40510

Ion Ratio Lower Upper

128 100

127 11.8 9.9 14.9

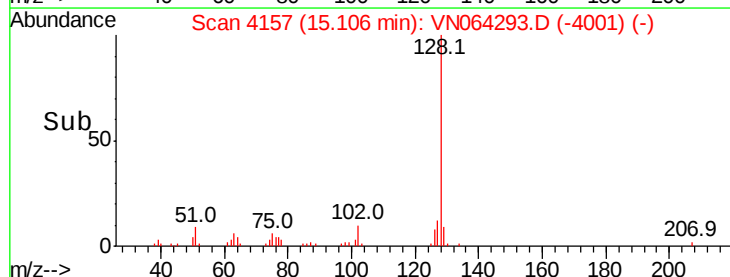
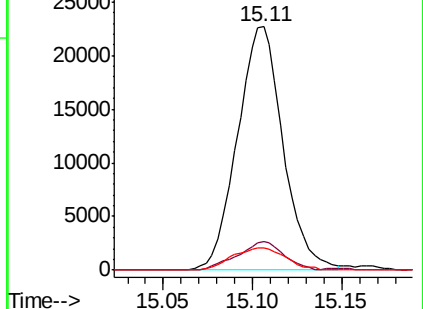
129 10.7 8.3 12.5

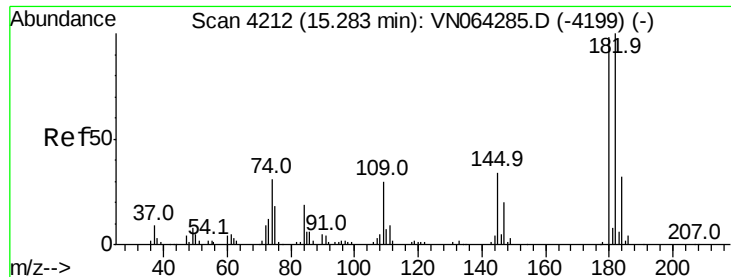


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

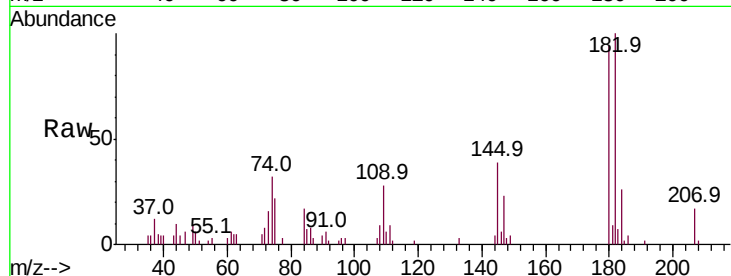




#92
 1,2,3-Trichlorobenzene
 Concen: 3.769 ug/l
 RT: 15.28 min Scan# 4212
 Delta R.T. -0.00 min
 Lab File: VN064293.D
 Acq: 23 Oct 2020 18:06

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

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



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

