

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

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

Quant Time: Oct 23 02:03:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	252274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	419974	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	369904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	168425	50.00	ug/l	0.00

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

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	12011	4.622	ug/l	95
3) Chloromethane	2.04	50	13365	4.584	ug/l	96
4) Vinyl Chloride	2.16	62	14144	4.893	ug/l	95
5) Bromomethane	2.53	94	9801	5.202	ug/l	89
6) Chloroethane	2.67	64	8379	4.761	ug/l	94
7) Trichlorofluoromethane	2.98	101	25177	5.296	ug/l	100
8) Diethyl Ether	3.37	74	8059	5.125	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.72	101	12211	4.967	ug/l #	84
10) Methyl Iodide	3.91	142	15876	4.542	ug/l	98
11) Tert butyl alcohol	4.73	59	8690	17.328	ug/l #	86
12) 1,1-Dichloroethene	3.70	96	12424	5.255	ug/l	95
13) Acrolein	3.57	56	5721	18.173	ug/l	85
14) Allyl chloride	4.28	41	21060	4.450	ug/l #	68
15) Acrylonitrile	4.94	53	25504	24.594	ug/l	96
16) Acetone	3.78	43	28831	26.896	ug/l	99
17) Carbon Disulfide	4.01	76	31821	4.718	ug/l	97
18) Methyl Acetate	4.28	43	14426	5.281	ug/l #	72
19) Methyl tert-butyl Ether	4.99	73	43675	5.373	ug/l #	89
20) Methylene Chloride	4.51	84	14965	5.235	ug/l	95
21) trans-1,2-Dichloroethene	4.98	96	12952	4.968	ug/l	94
22) Diisopropyl ether	5.90	45	42490	4.830	ug/l	97
23) Vinyl Acetate	5.84	43	200955	25.615	ug/l	98
24) 1,1-Dichloroethane	5.80	63	27576	5.411	ug/l	99
25) 2-Butanone	6.79	43	42578	25.000	ug/l	95
26) 2,2-Dichloropropane	6.77	77	23857	4.702	ug/l	88
27) cis-1,2-Dichloroethene	6.78	96	16408	5.404	ug/l	96
28) Bromochloromethane	7.14	49	13245	5.471	ug/l #	93
29) Tetrahydrofuran	7.16	42	28419	27.896	ug/l #	86
30) Chloroform	7.33	83	28019	5.154	ug/l	95
31) Cyclohexane	7.62	56	25276	5.691	ug/l #	83
32) 1,1,1-Trichloroethane	7.53	97	27377	5.376	ug/l	99
36) 1,1-Dichloropropene	7.75	75	20238	4.834	ug/l	97
37) Ethyl Acetate	6.88	43	19796	5.207	ug/l	97
38) Carbon Tetrachloride	7.73	117	25761	5.408	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	17756	4.664	ug/l	96
40) Benzene	8.00	78	57566	4.981	ug/l	95
41) Methacrylonitrile	7.12	41	9383	4.705	ug/l	96
42) 1,2-Dichloroethane	8.09	62	25030	5.055	ug/l	99
43) Isopropyl Acetate	8.13	43	38296	5.405	ug/l	94
44) Trichloroethene	8.80	130	16516	5.244	ug/l	87
45) 1,2-Dichloropropane	9.09	63	14901	4.829	ug/l	91
46) Dibromomethane	9.18	93	11947	5.766	ug/l	98
47) Bromodichloromethane	9.37	83	23981	5.239	ug/l	96
48) Methyl methacrylate	9.16	41	17341	4.686	ug/l	95
49) 1,4-Dioxane	9.17	88	4388	101.334	ug/l #	85
51) 4-Methyl-2-Pentanone	9.95	43	96486	25.482	ug/l	100
52) Toluene	10.13	92	35151	4.753	ug/l	90
53) t-1,3-Dichloropropene	10.35	75	26191	5.151	ug/l	90
54) cis-1,3-Dichloropropene	9.81	75	25378	4.740	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	14858	5.320	ug/l	95
56) Ethyl methacrylate	10.40	69	20785	4.813	ug/l	94
57) 1,3-Dichloropropane	10.68	76	25336	5.222	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	56615	25.458	ug/l	97
59) 2-Hexanone	10.72	43	67877	24.546	ug/l	100
60) Dibromochloromethane	10.87	129	17116	4.734	ug/l	99
61) 1,2-Dibromoethane	10.98	107	14999	5.089	ug/l	100
64) Tetrachloroethene	10.60	164	16266	5.462	ug/l	90
65) Chlorobenzene	11.41	112	39627	5.175	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	15854	5.216	ug/l	98
67) Ethyl Benzene	11.48	91	70897	5.038	ug/l	96
68) m/p-Xylenes	11.59	106	49296	9.455	ug/l	97
69) o-Xylene	11.92	106	24974	4.953	ug/l	96
70) Styrene	11.94	104	40043	4.738	ug/l	95
71) Bromoform	12.10	173	10996	4.683	ug/l #	95
73) Isopropylbenzene	12.22	105	66284	5.160	ug/l	100
74) N-amyl acetate	12.04	43	27529	4.960	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	18767	5.505	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	28262	7.960	ug/l #	100
77) Bromobenzene	12.50	156	16208	5.345	ug/l	99
78) n-propylbenzene	12.56	91	77016	5.318	ug/l	99
79) 2-Chlorotoluene	12.65	91	47816	5.375	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	57361	5.282	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.28	75	6186	4.399	ug/l #	85
82) 4-Chlorotoluene	12.75	91	49413	5.325	ug/l	97
83) tert-Butylbenzene	12.97	119	45478	5.108	ug/l	95
84) 1,2,4-Trimethylbenzene	13.01	105	56367	5.215	ug/l	98
85) sec-Butylbenzene	13.14	105	56132	5.001	ug/l	100
86) p-Isopropyltoluene	13.26	119	52948	5.180	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	26778	4.963	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	27795	5.033	ug/l	91
89) n-Butylbenzene	13.59	91	45931	5.013	ug/l	97
90) Hexachloroethane	13.85	117	8326	4.498	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	26211	4.951	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.24	75	4689	5.514	ug/l	94

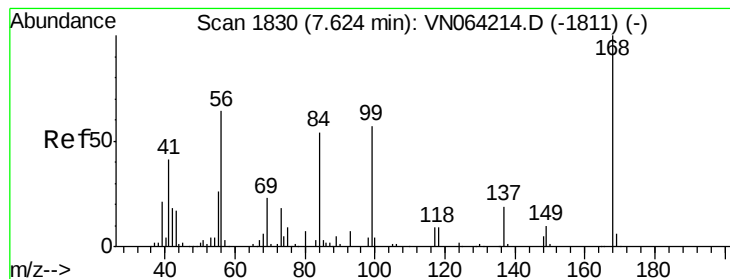
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Quant Title : SW846 8260
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Response via : Initial Calibration

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

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

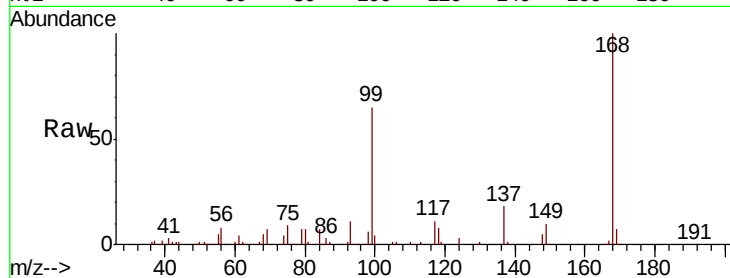
LOQ-WATER-02-QT4-2020

Tot Ion:168 Resp: 252274

Ion Ratio Lower Upper

168 100

99 65.0 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

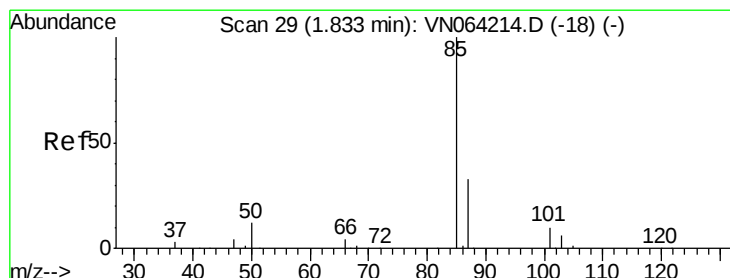
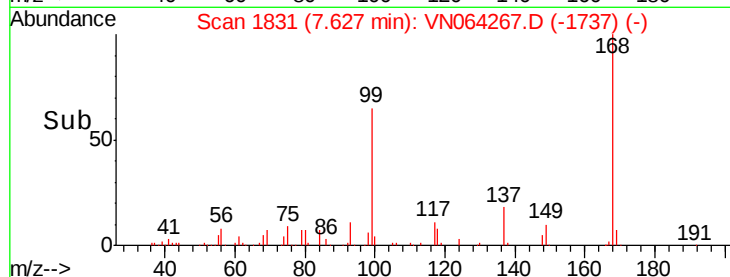
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 4.622 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064267.D

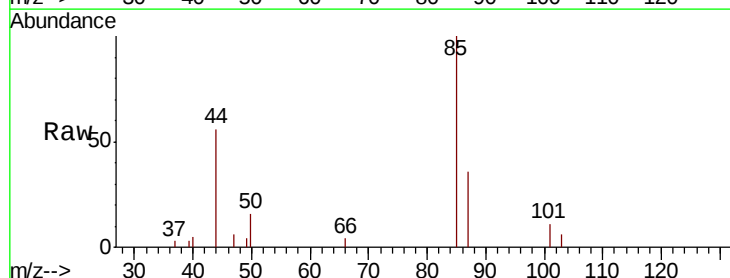
Acq: 22 Oct 2020 22:02

Tgt Ion: 85 Resp: 12011

Ion Ratio Lower Upper

85 100

87 36.2 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

10000

8000

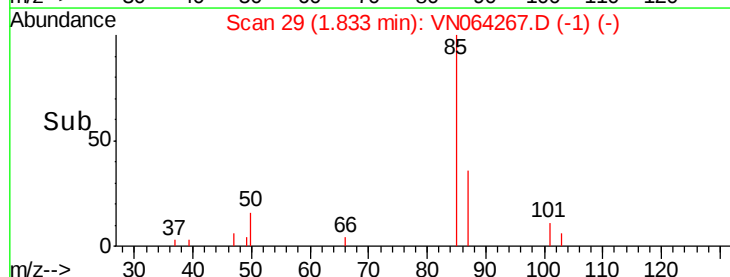
6000

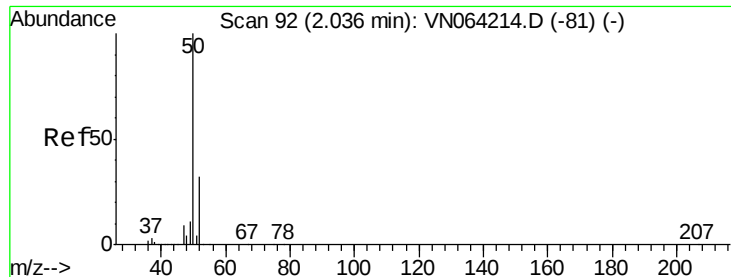
4000

2000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 4.584 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

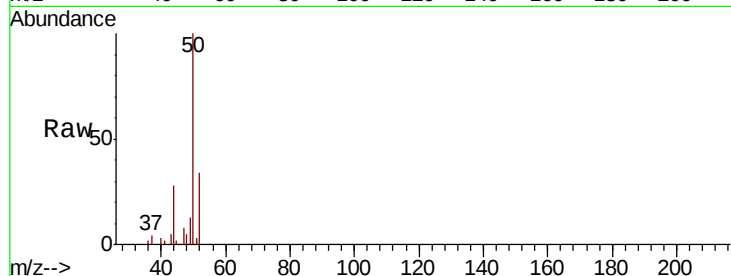
LOQ-WATER-02-QT4-2020

Tot Ion: 50 Resp: 13365

Ion Ratio Lower Upper

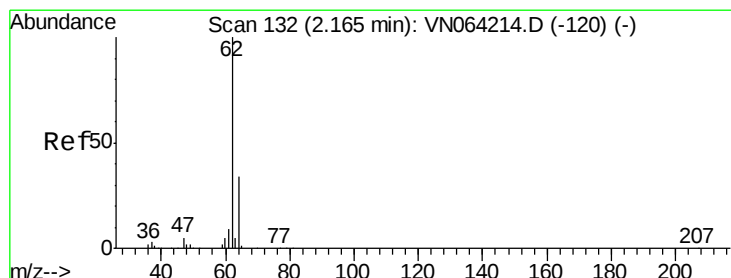
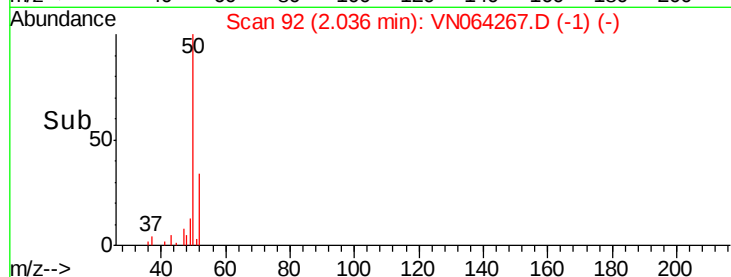
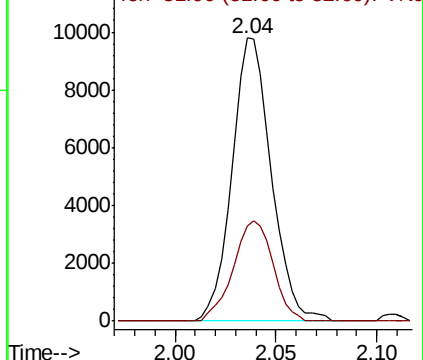
50 100

52 33.7 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 4.893 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064267.D

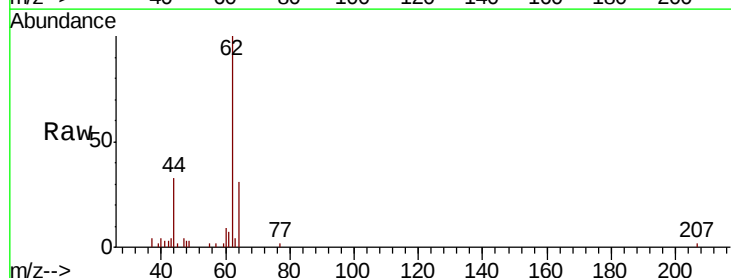
Acq: 22 Oct 2020 22:02

Tgt Ion: 62 Resp: 14144

Ion Ratio Lower Upper

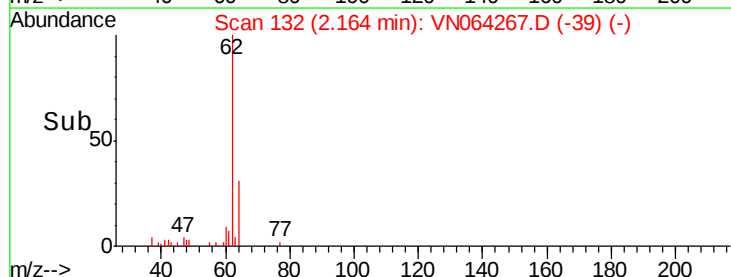
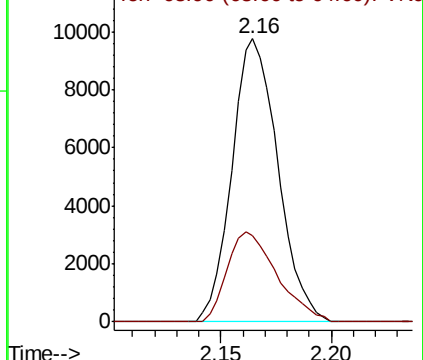
62 100

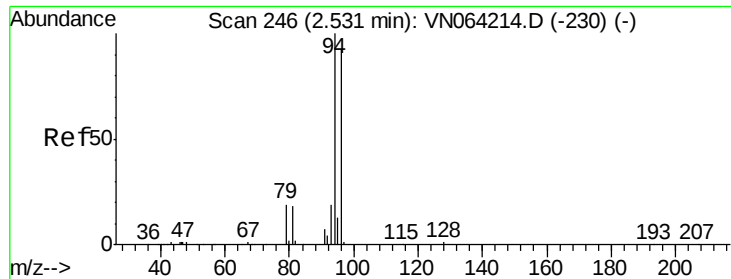
64 30.5 26.8 40.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 5.202 ug/l

RT: 2.53 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

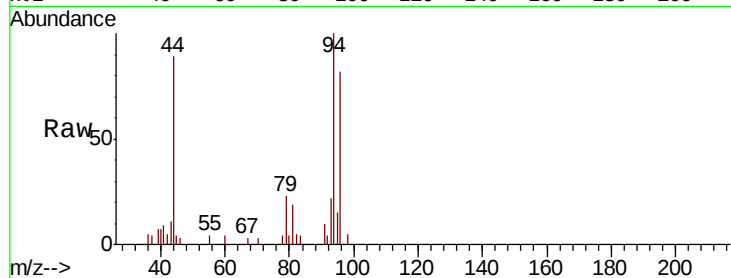
LOQ-WATER-02-QT4-2020

Tot Ion: 94 Resp: 9801

Ion Ratio Lower Upper

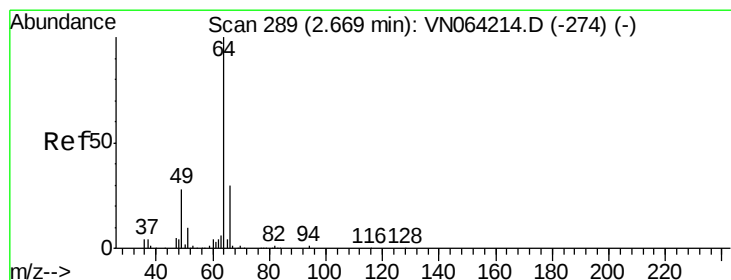
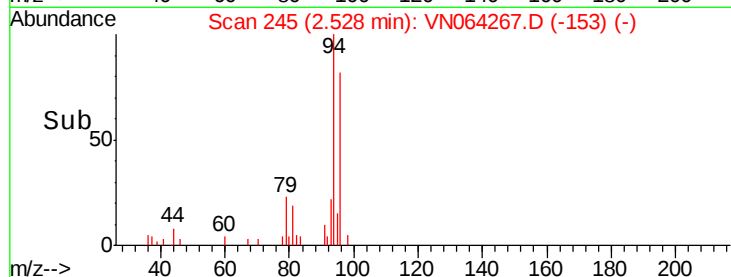
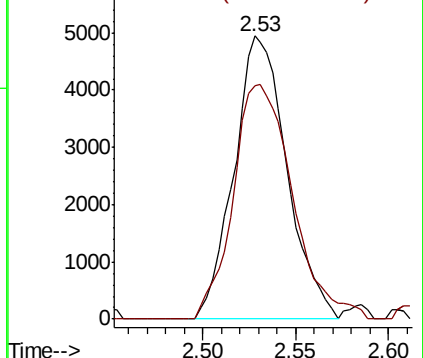
94 100

96 82.4 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 4.761 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064267.D

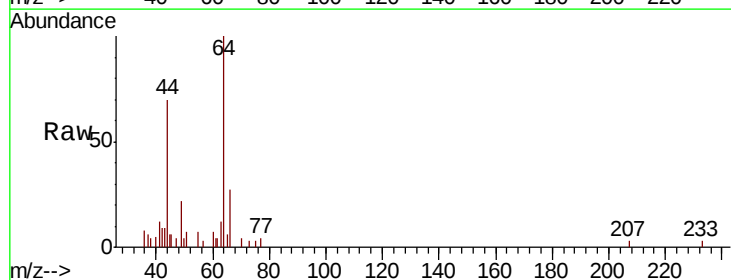
Acq: 22 Oct 2020 22:02

Tgt Ion: 64 Resp: 8379

Ion Ratio Lower Upper

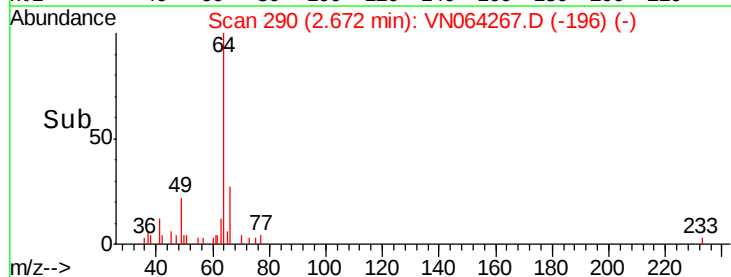
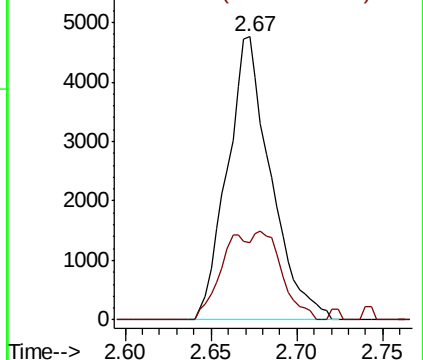
64 100

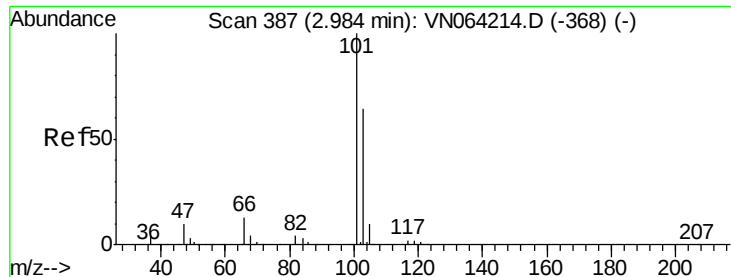
66 27.5 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 5.296 ug/l

RT: 2.98 min Scan# 387

Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

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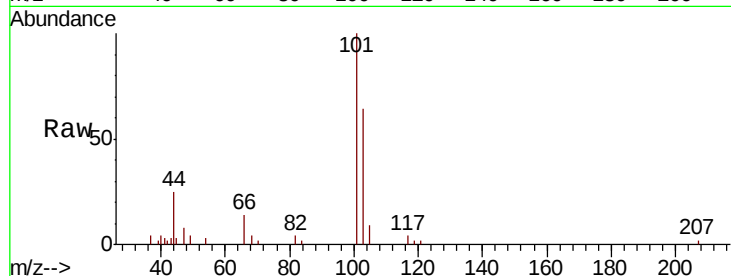
LOQ-WATER-02-QT4-2020

Tot Ion:101 Resp: 25177

Ion Ratio Lower Upper

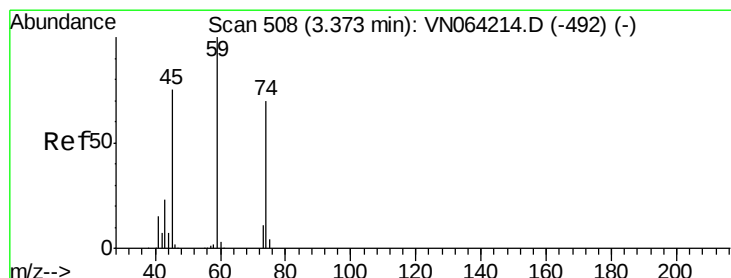
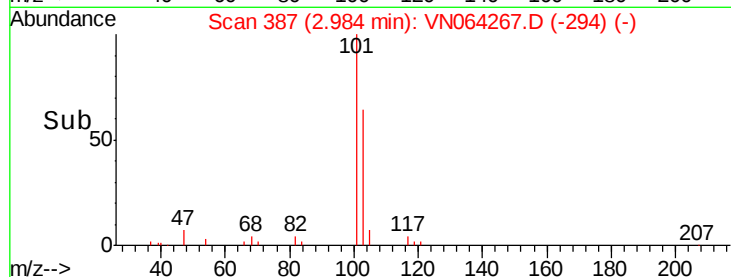
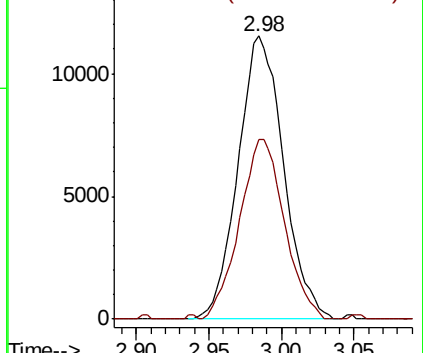
101 100

103 63.7 51.0 76.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 5.125 ug/l

RT: 3.37 min Scan# 508

Delta R.T. -0.00 min

Lab File: VN064267.D

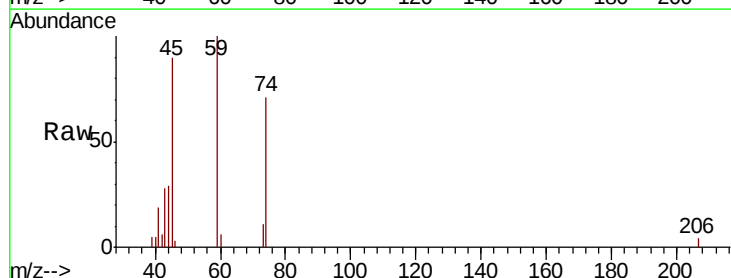
Acq: 22 Oct 2020 22:02

Tgt Ion: 74 Resp: 8059

Ion Ratio Lower Upper

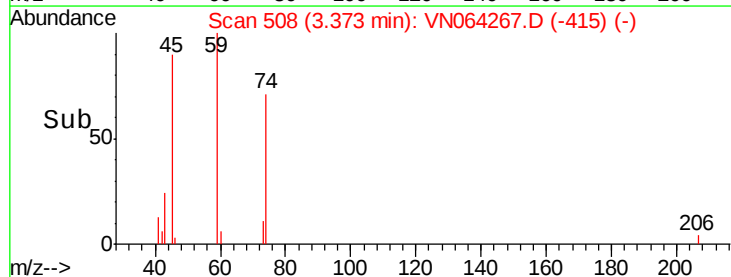
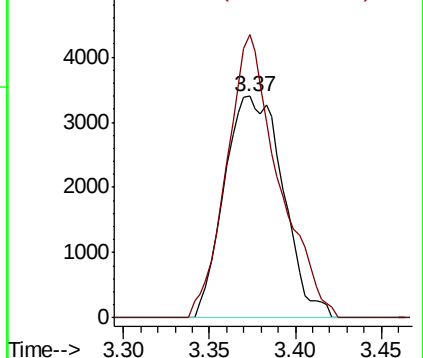
74 100

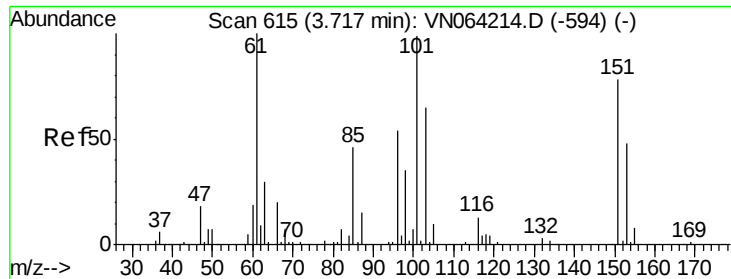
45 112.8 51.3 154.0



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.967 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

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LOQ-WATER-02-QT4-2020

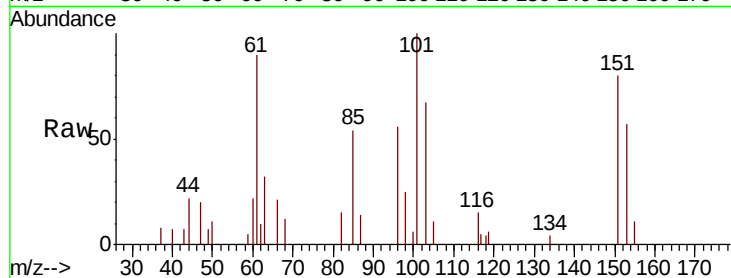
Tot Ion:101 Resp: 12211

Ion Ratio Lower Upper

101 100

85 22.6 37.8 56.8#

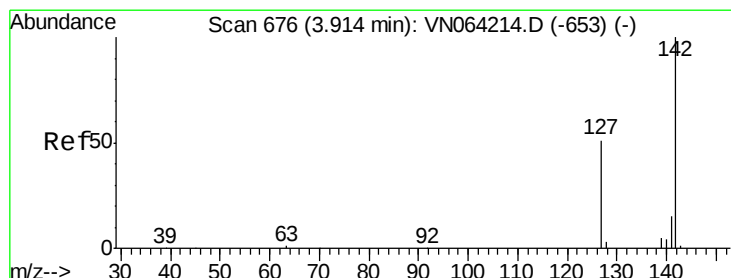
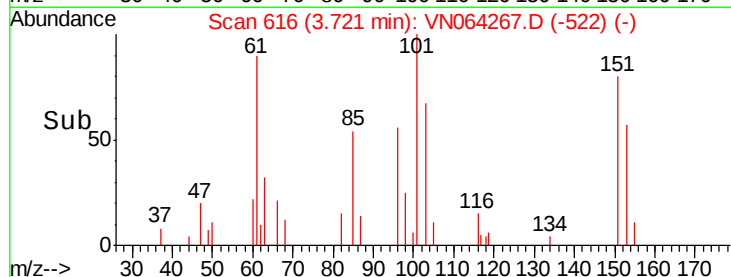
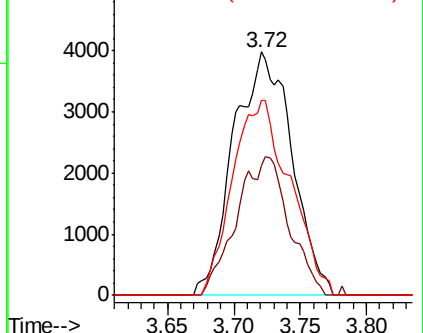
151 78.9 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.542 ug/l

RT: 3.91 min Scan# 674

Delta R.T. -0.01 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

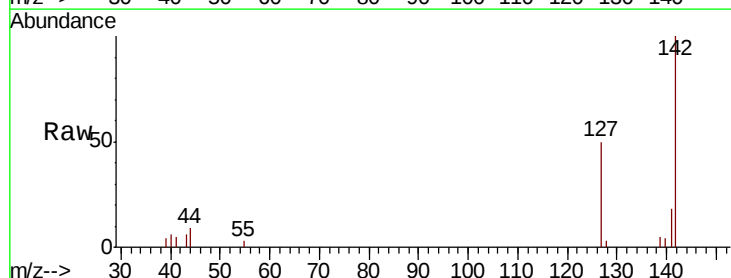
Tgt Ion:142 Resp: 15876

Ion Ratio Lower Upper

142 100

127 52.8 41.0 61.6

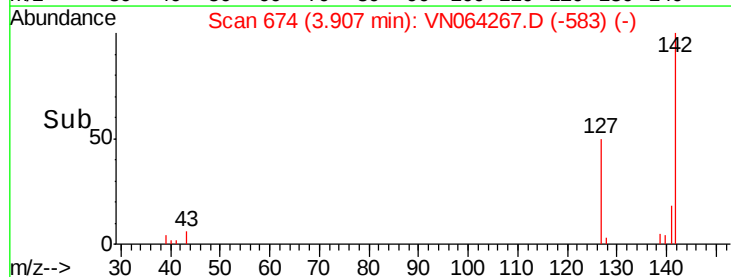
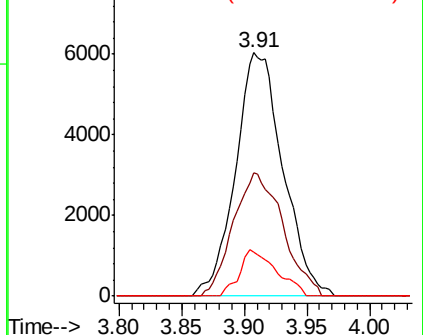
141 14.9 11.3 16.9

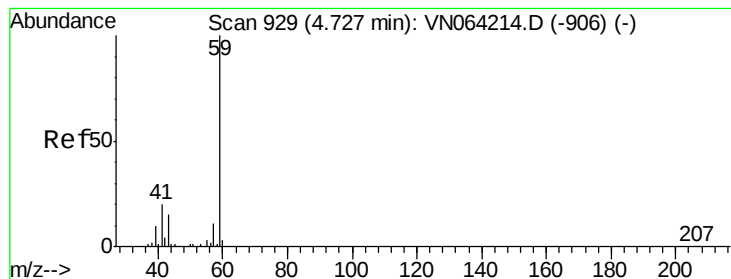


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 17.328 ug/l

RT: 4.73 min Scan# 929

Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

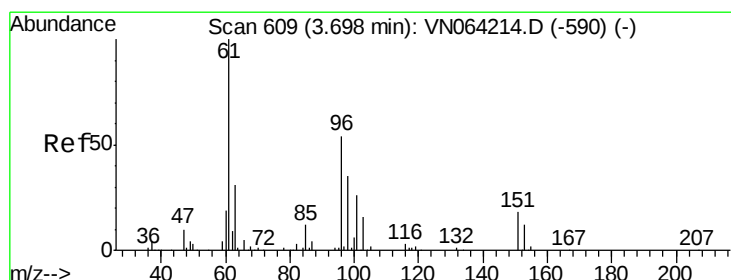
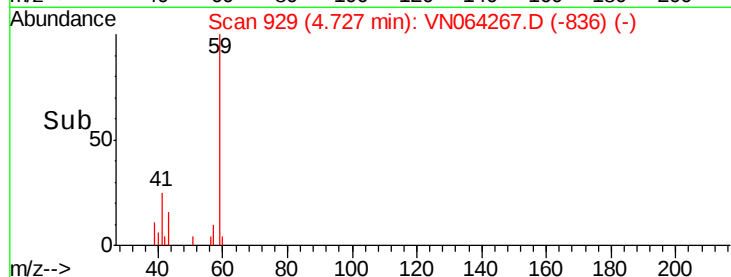
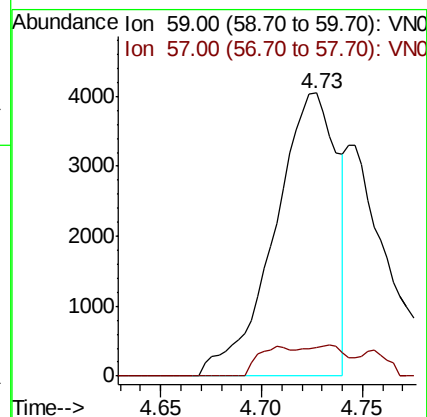
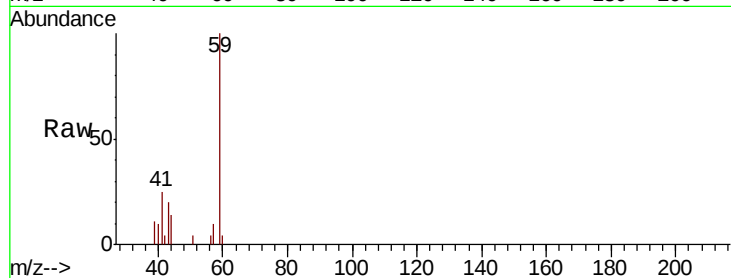
LOQ-WATER-02-QT4-2020

Tot Ion: 59 Resp: 8690

Ion Ratio Lower Upper

59 100

57 6.2 9.2 13.8#



#12

1,1-Dichloroethene

Concen: 5.255 ug/l

RT: 3.70 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

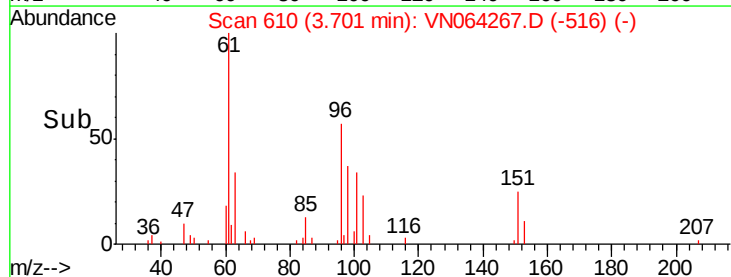
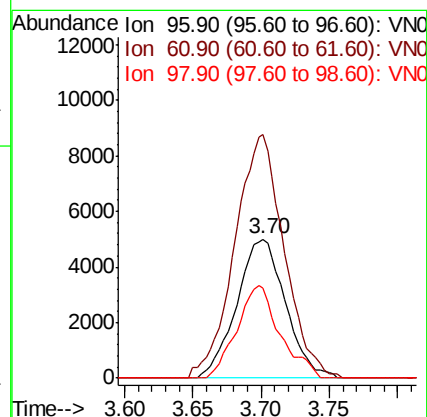
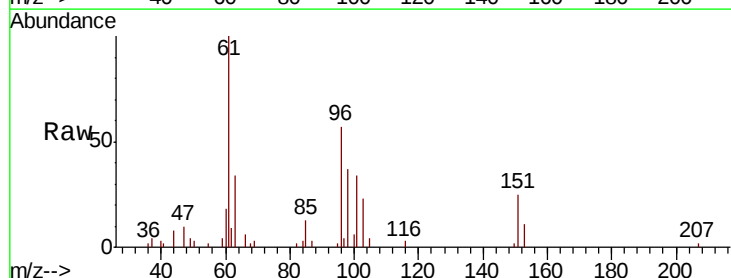
Tgt Ion: 96 Resp: 12424

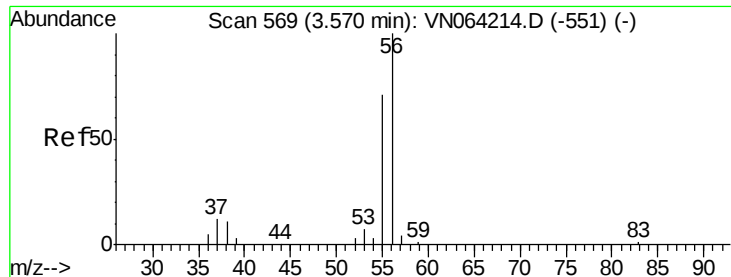
Ion Ratio Lower Upper

96 100

61 175.0 147.0 220.4

98 64.7 51.7 77.5





#13

Acrolein

Concen: 18.173 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

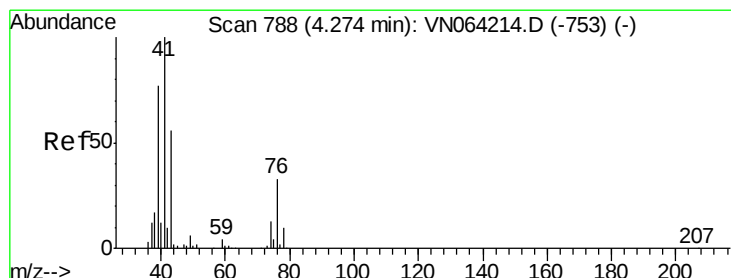
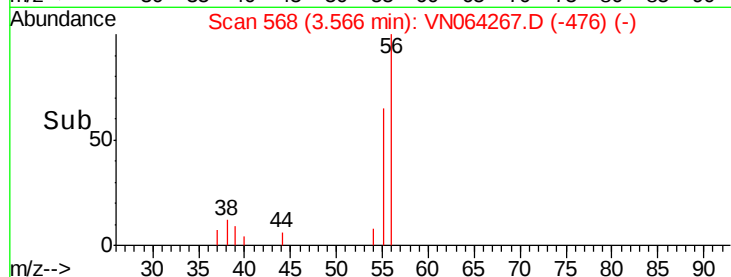
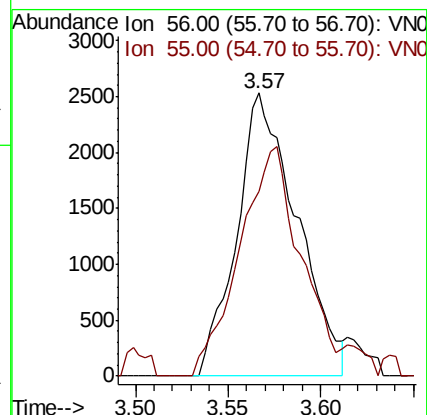
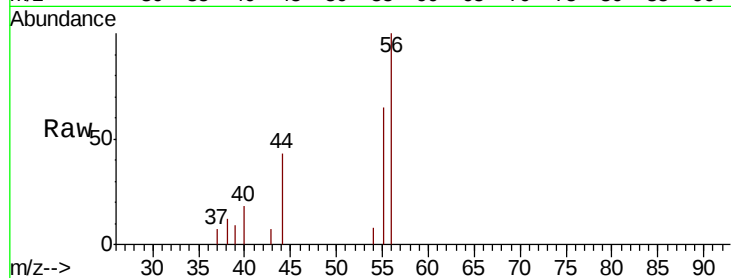
LOQ-WATER-02-QT4-2020

Tot Ion: 56 Resp: 5721

Ion Ratio Lower Upper

56 100

55 82.6 56.1 84.1



#14

Allyl chloride

Concen: 4.450 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

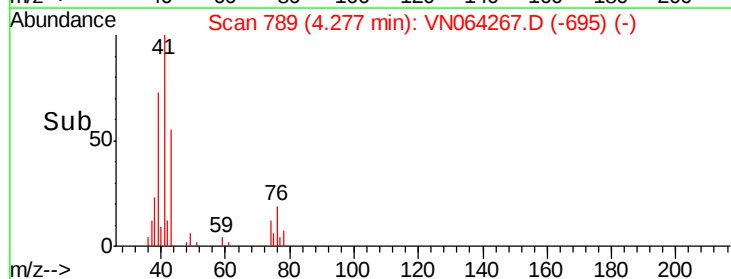
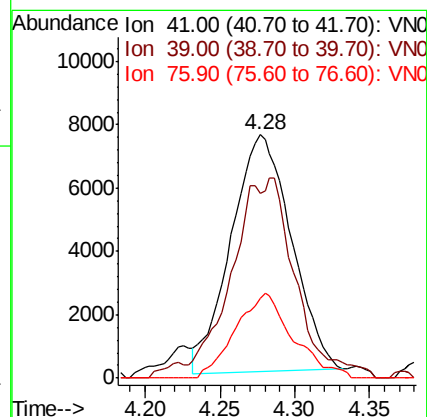
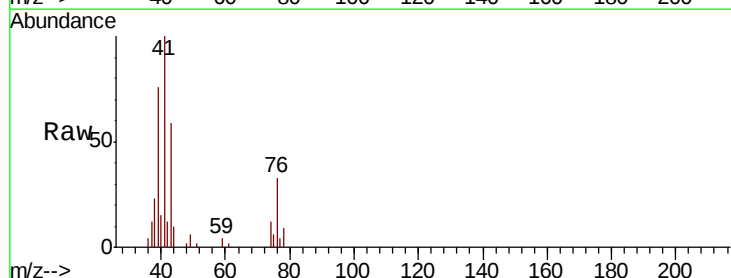
Tgt Ion: 41 Resp: 21060

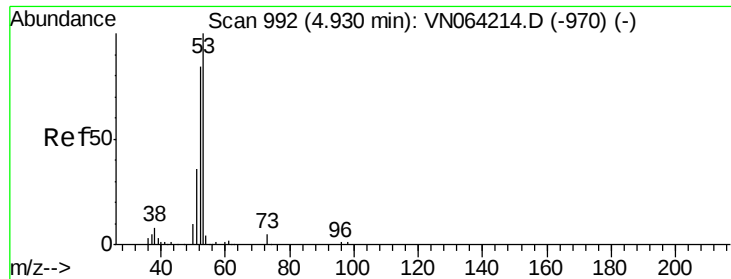
Ion Ratio Lower Upper

41 100

39 37.0 58.6 88.0#

76 33.9 24.5 36.7

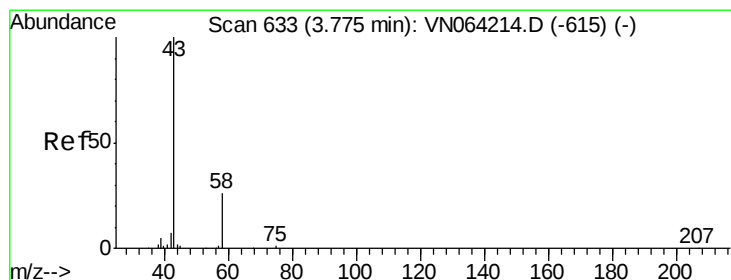
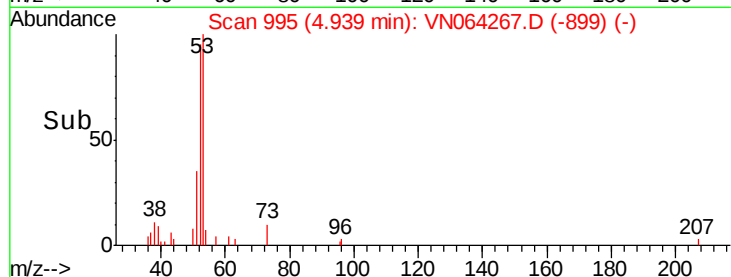
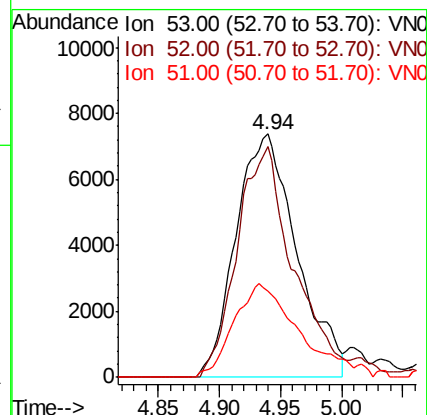
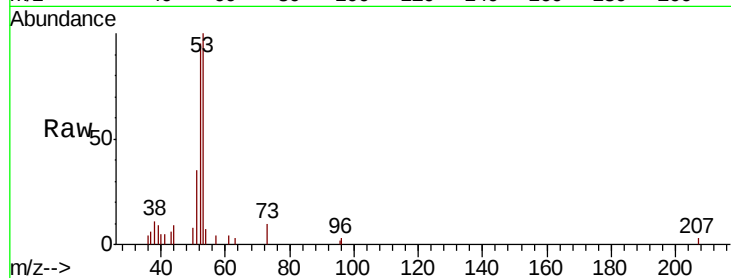




#15
 Acrylonitrile
 Concen: 24.594 ug/l
 RT: 4.94 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

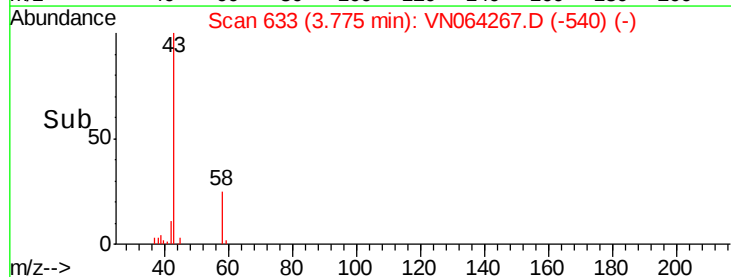
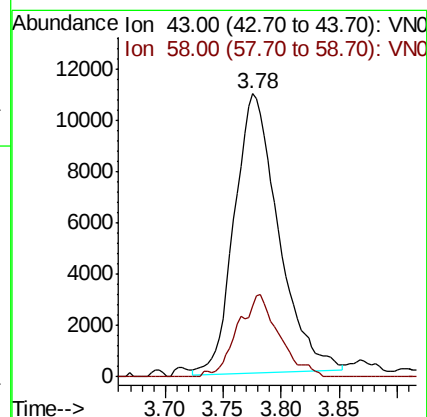
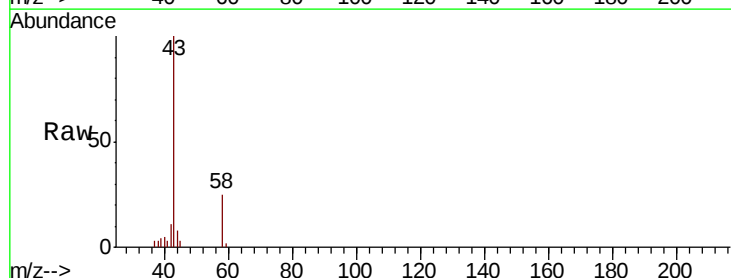
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

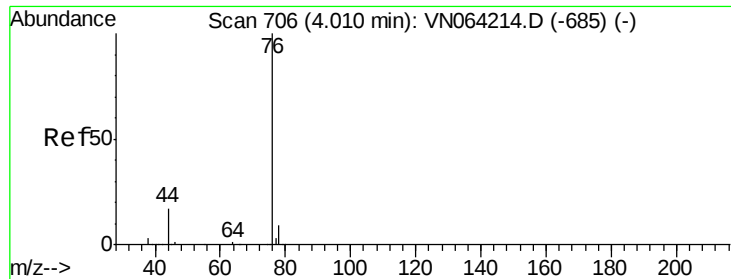
Tot Ion: 53 Resp: 25504
 Ion Ratio Lower Upper
 53 100
 52 87.6 66.8 100.2
 51 40.5 30.7 46.1



#16
 Acetone
 Concen: 26.896 ug/l
 RT: 3.78 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

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

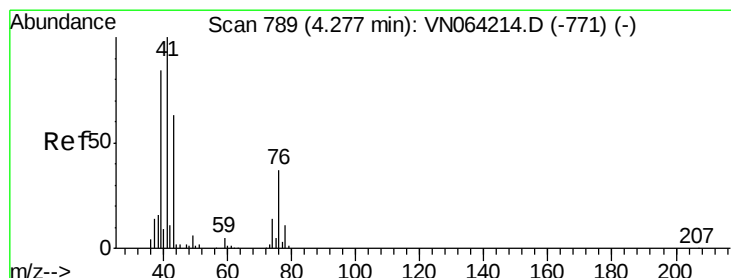
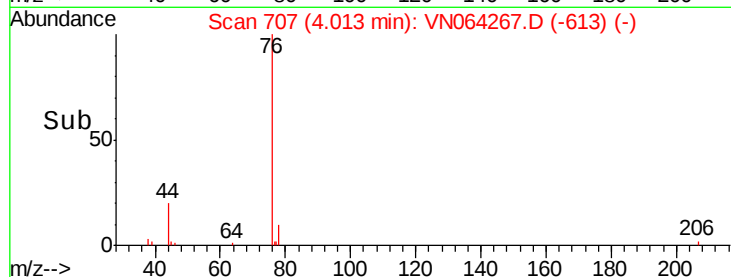
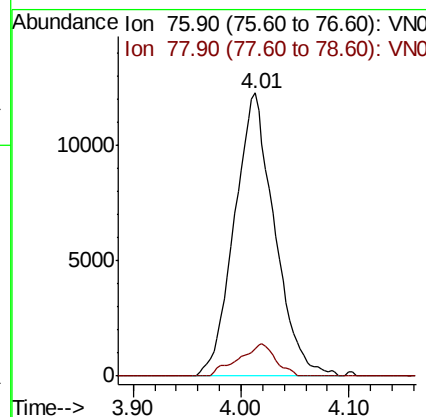
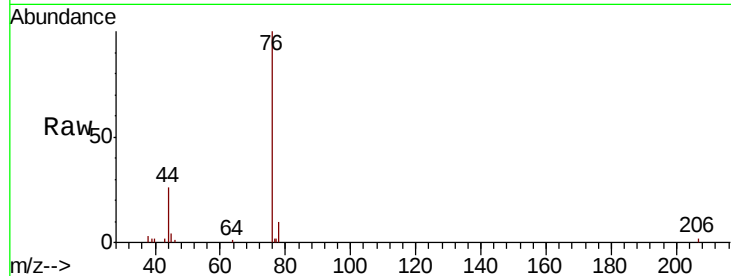




#17
Carbon Disulfide
Concen: 4.718 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

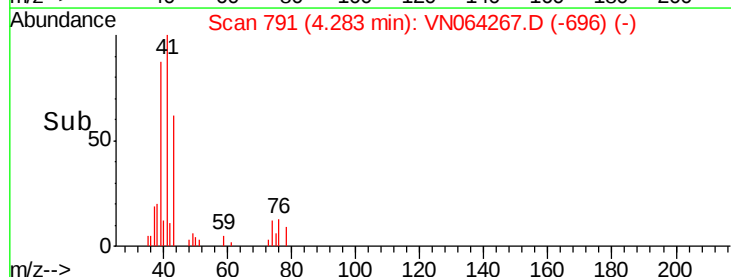
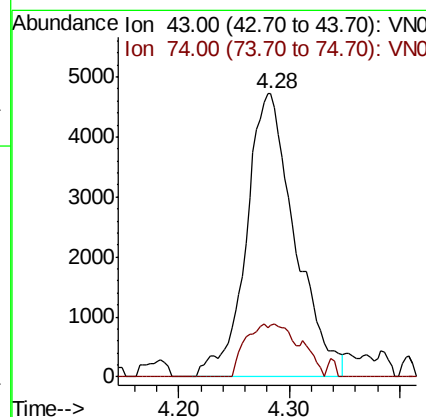
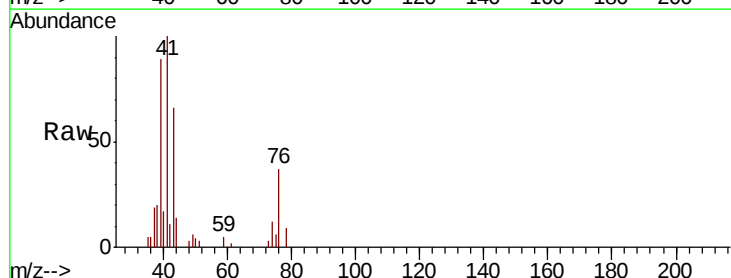
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

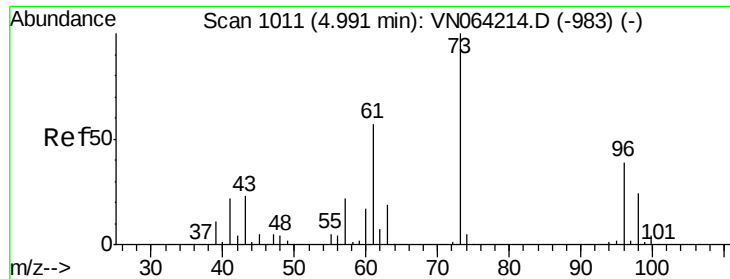
Tot Ion: 76 Resp: 31821
Ion Ratio Lower Upper
76 100
78 9.9 7.1 10.7



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

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

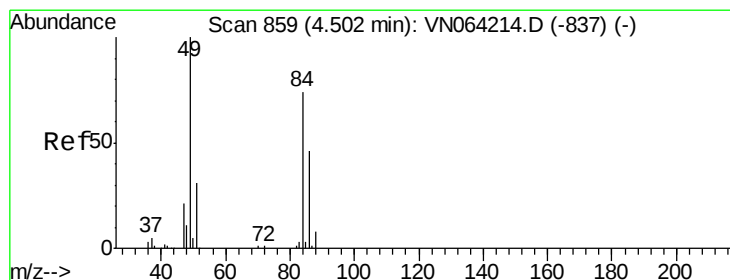
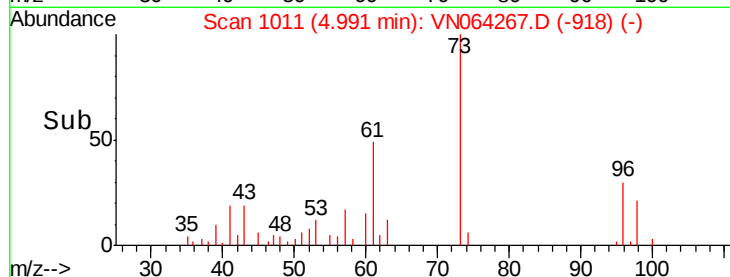
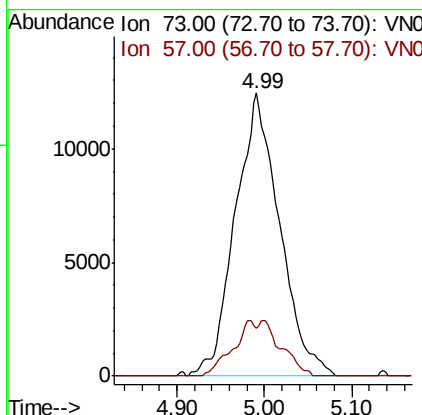
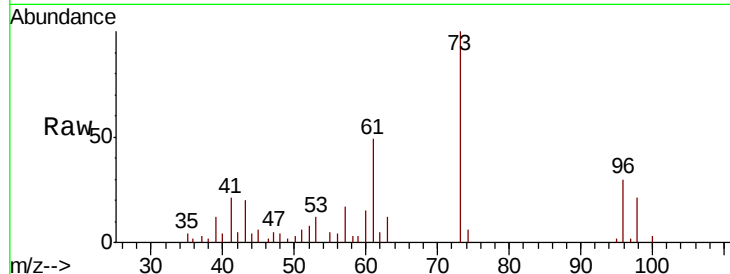




#19
Methyl tert-butyl Ether
Concen: 5.373 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

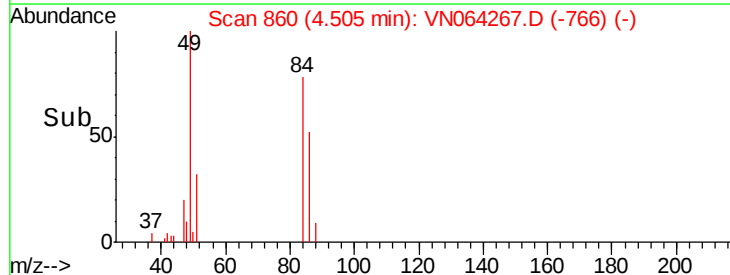
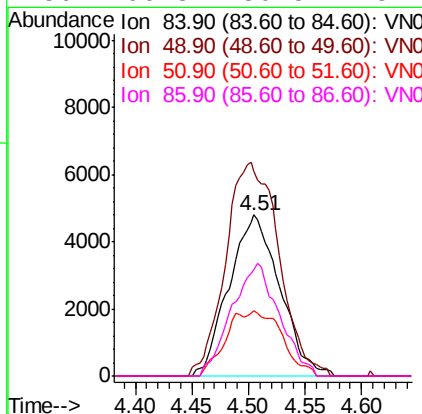
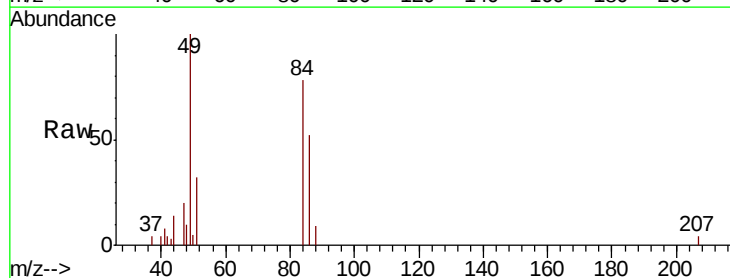
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

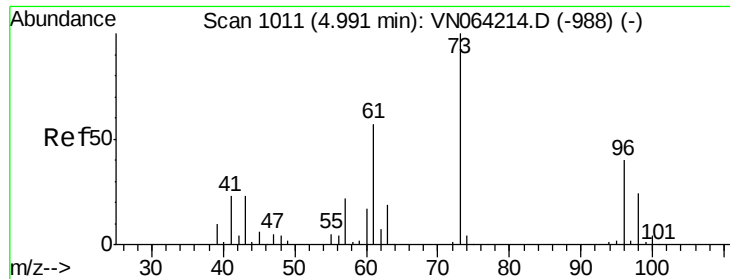
Tot Ion: 73 Resp: 43675
Ion Ratio Lower Upper
73 100
57 17.1 18.0 27.0#



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

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

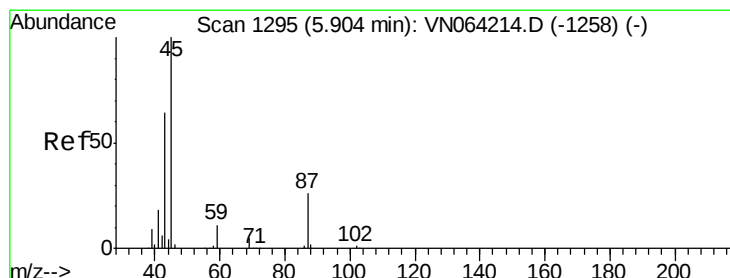
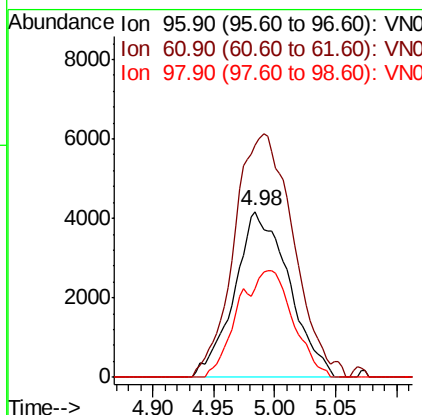
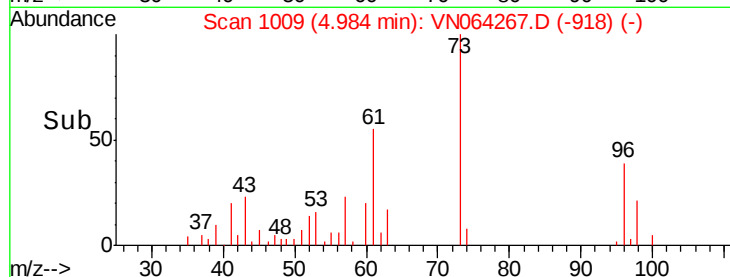
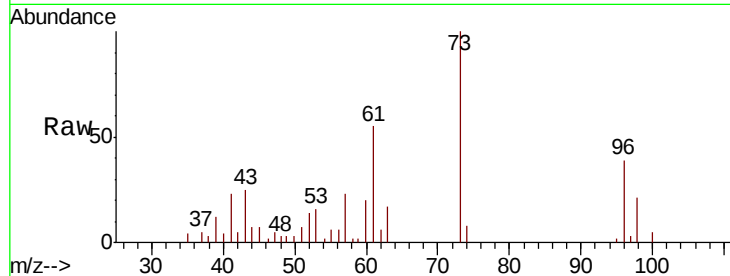




#21
trans-1,2-Dichloroethene
Concen: 4.968 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

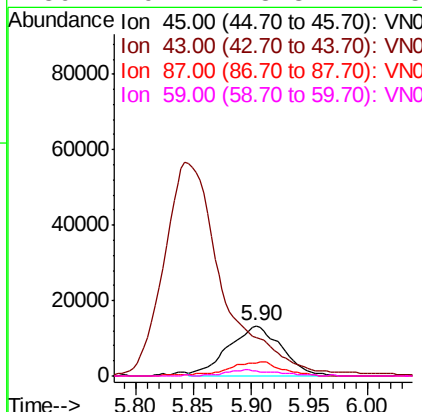
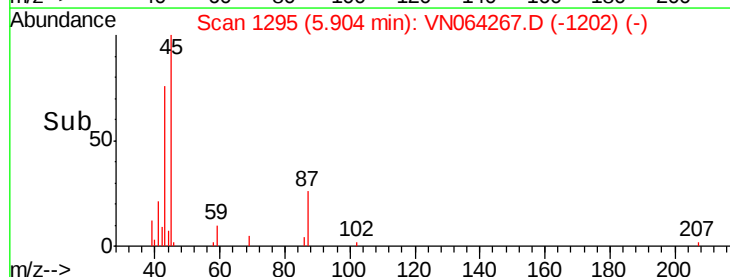
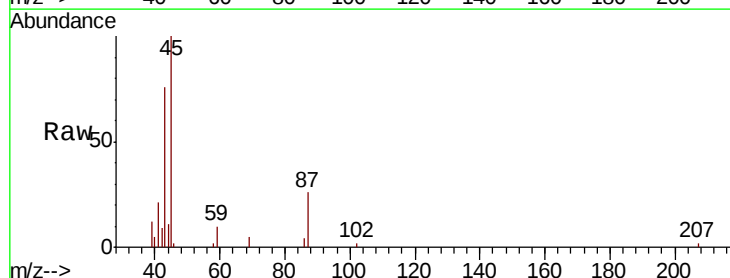
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

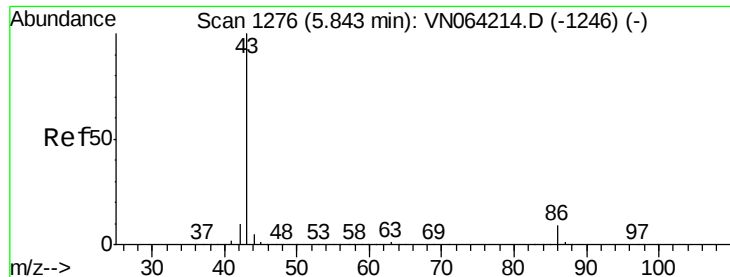
Tot Ion: 96 Resp: 12952
Ion Ratio Lower Upper
96 100
61 139.6 115.8 173.6
98 53.1 49.4 74.0



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

Tgt Ion: 45 Resp: 42490
Ion Ratio Lower Upper
45 100
43 68.8 52.2 78.4
87 26.3 21.4 32.0
59 9.7 8.3 12.5

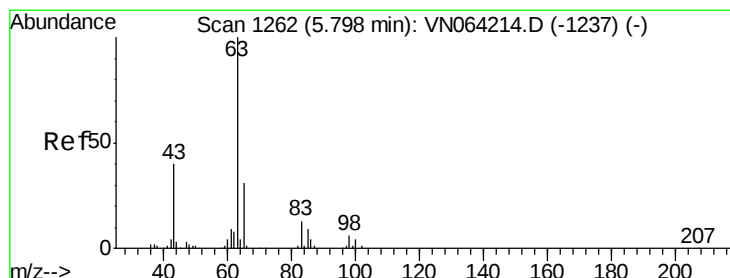
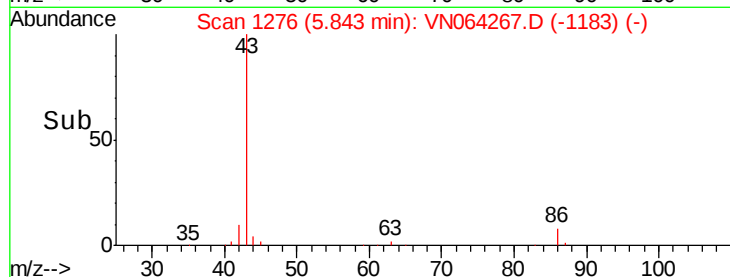
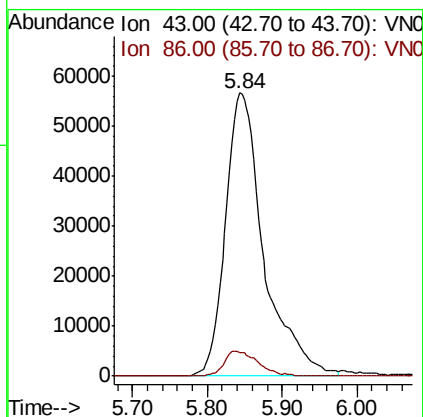
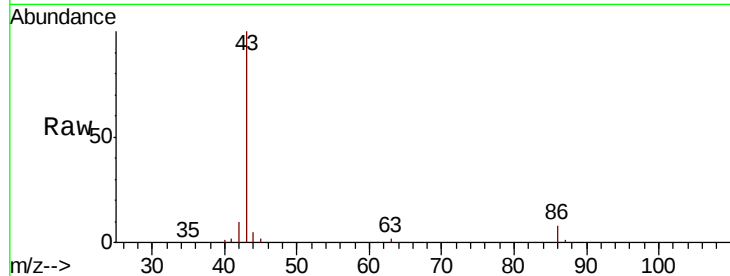




#23
 Vinyl Acetate
 Concen: 25.615 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

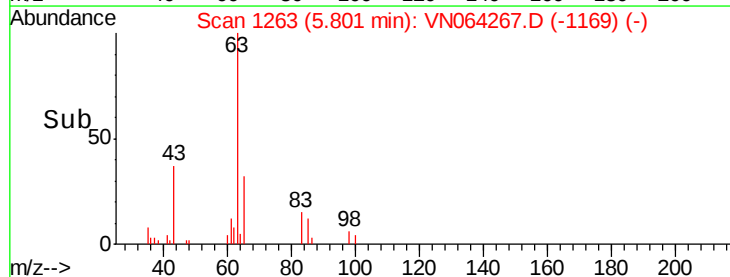
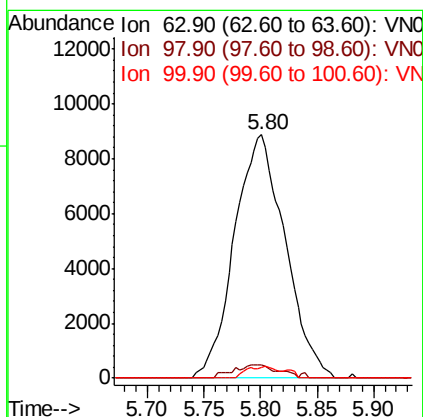
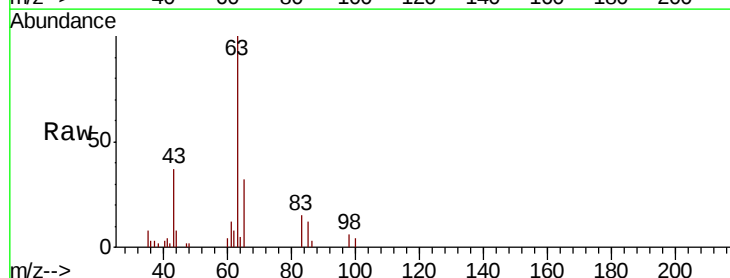
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

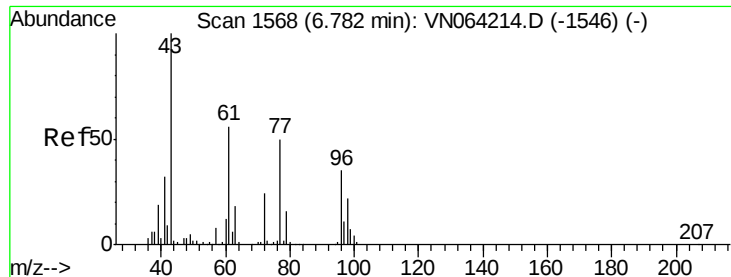
Tot Ion: 43 Resp: 200955
 Ion Ratio Lower Upper
 43 100
 86 8.5 7.4 11.0



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

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

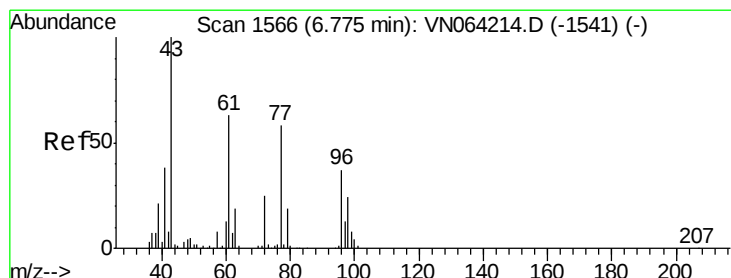
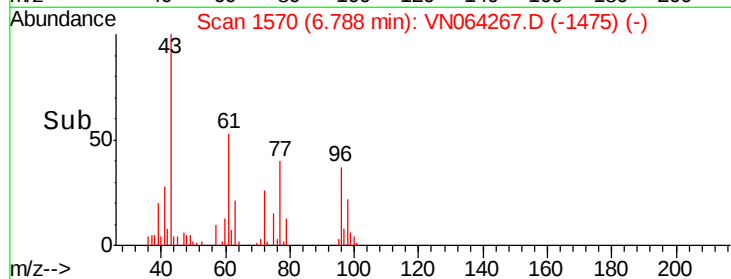
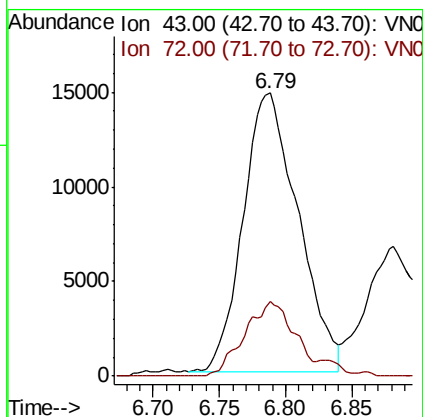
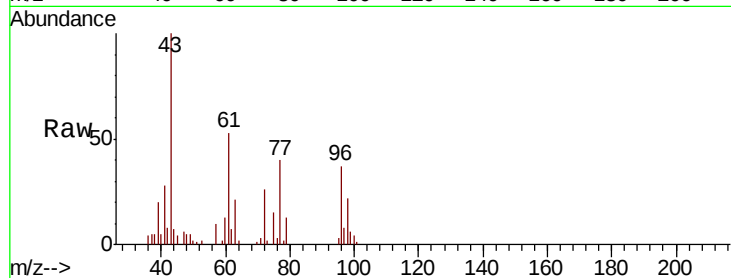




#25
2-Butanone
Concen: 25.000 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

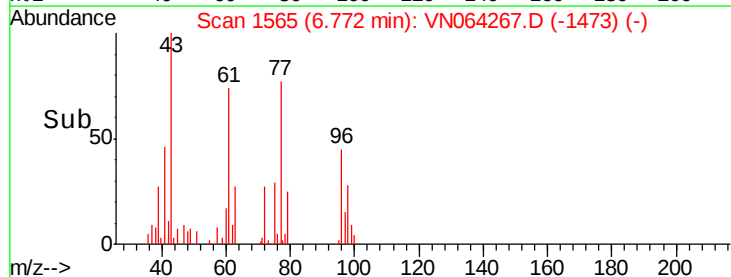
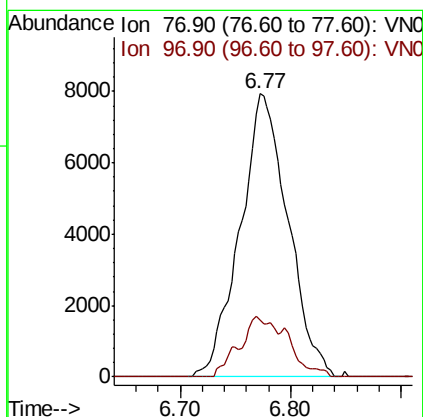
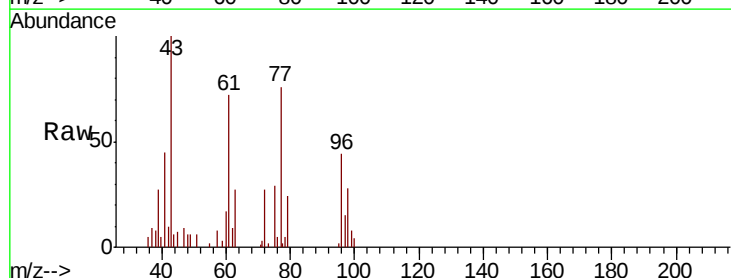
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

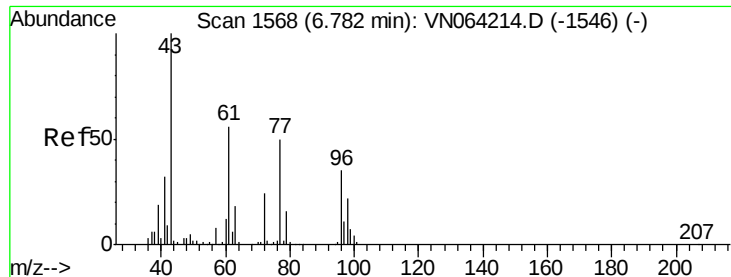
Tot Ion: 43 Resp: 42578
Ion Ratio Lower Upper
43 100
72 26.8 19.4 29.0



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

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





#27

cis-1,2-Dichloroethene

Concen: 5.404 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

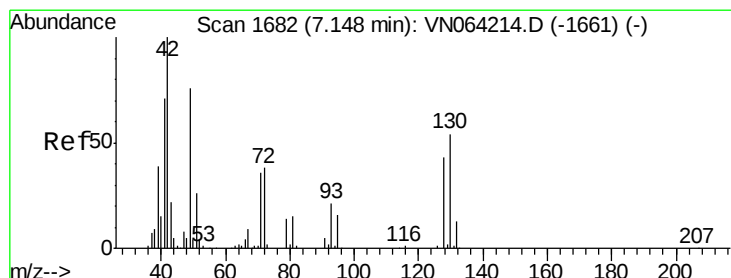
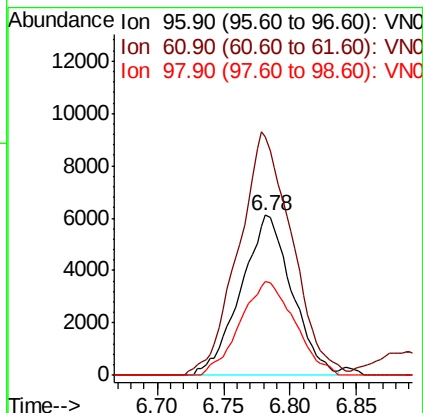
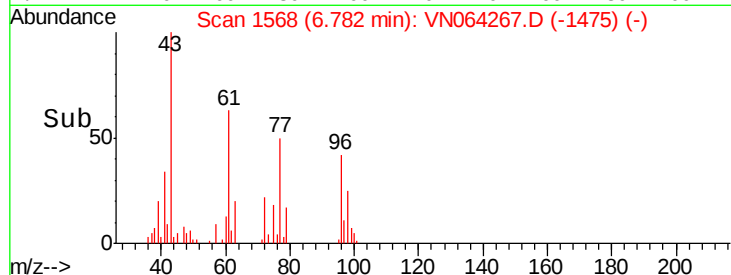
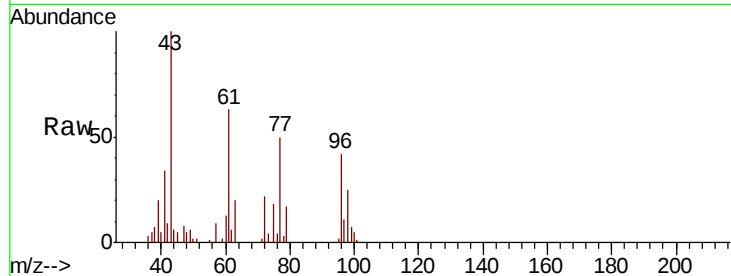
Tot Ion: 96 Resp: 16408

Ion Ratio Lower Upper

96 100

61 158.7 0.0 330.0

98 62.6 0.0 130.6



#28

Bromochloromethane

Concen: 5.471 ug/l

RT: 7.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

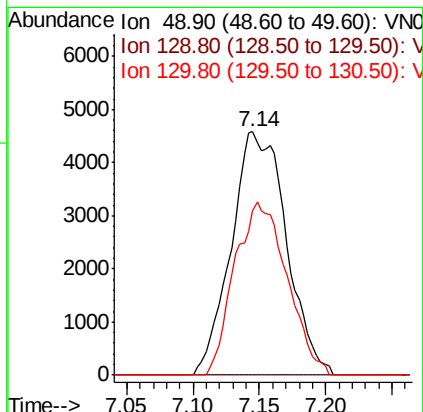
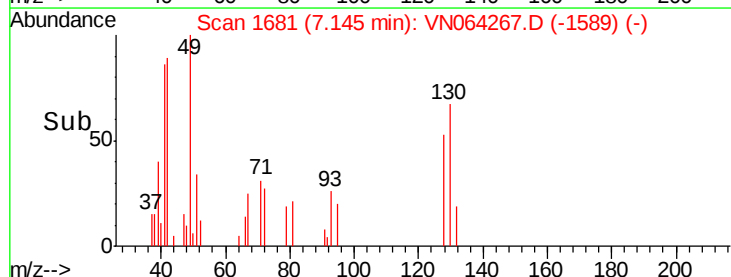
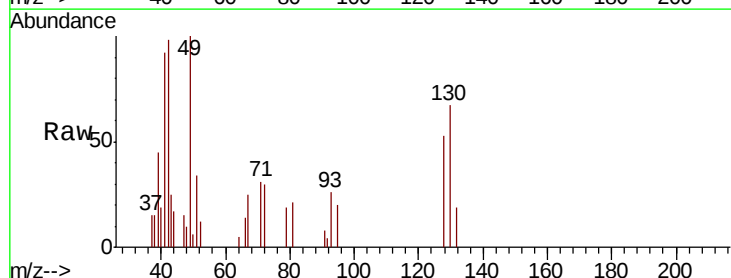
Tgt Ion: 49 Resp: 13245

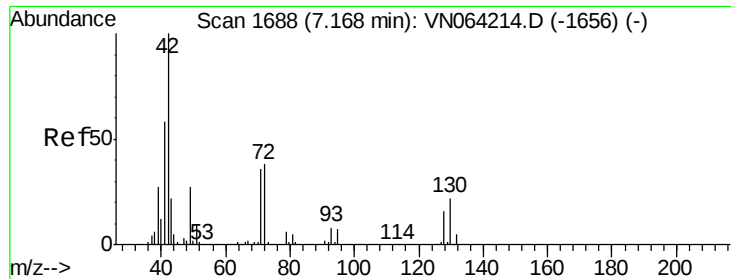
Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.8

130 67.8 58.8 88.2

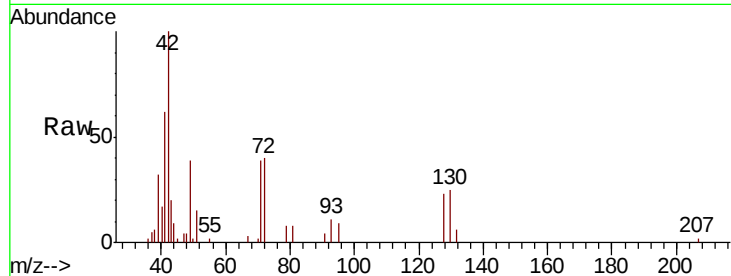




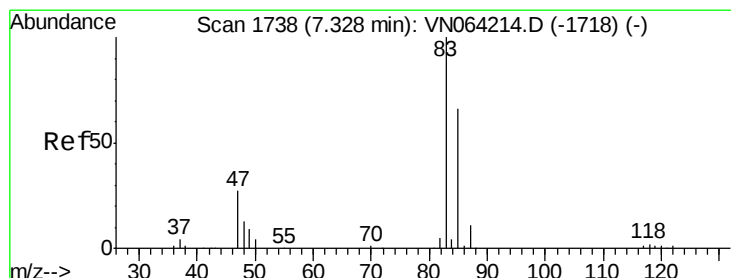
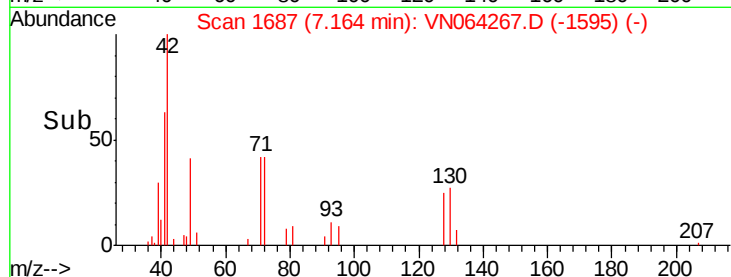
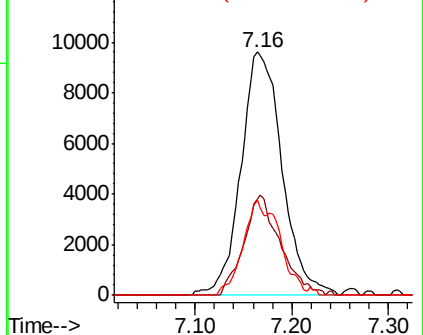
#29
Tetrahydrofuran
Concen: 27.896 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

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

Tot Ion: 42 Resp: 28419
Ion Ratio Lower Upper
42 100
72 36.4 30.8 46.2
71 21.4 29.0 43.6#

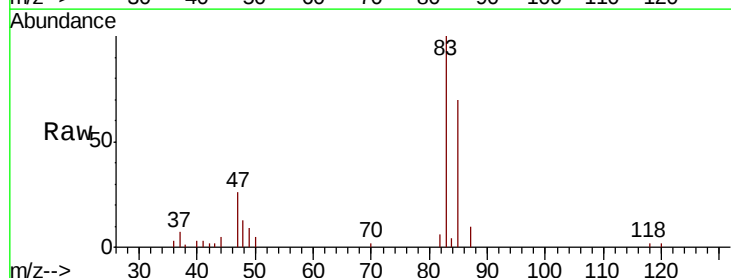


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

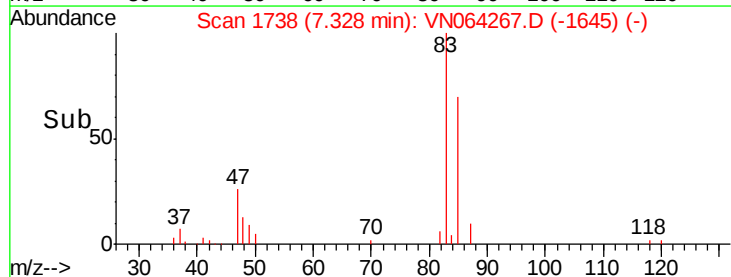
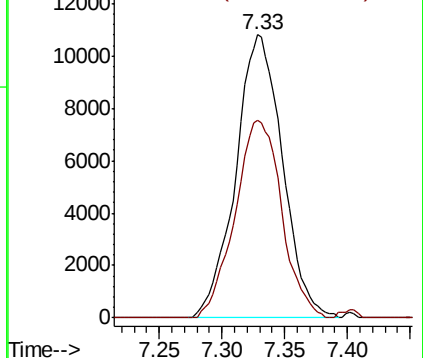


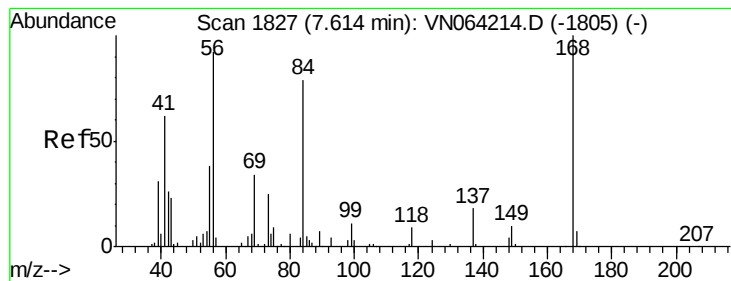
#30
Chloroform
Concen: 5.154 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Tgt Ion: 83 Resp: 28019
Ion Ratio Lower Upper
83 100
85 69.9 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 5.691 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. 0.01 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

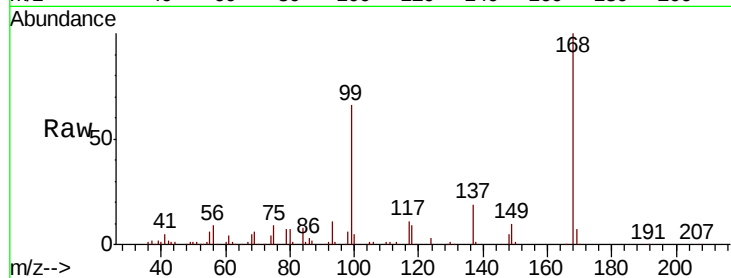
Tot Ion: 56 Resp: 25276

Ion Ratio Lower Upper

56 100

69 67.1 29.8 44.6#

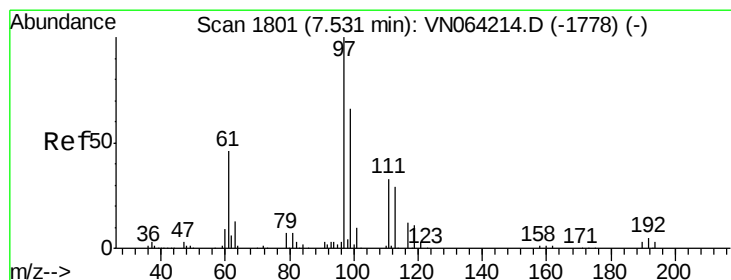
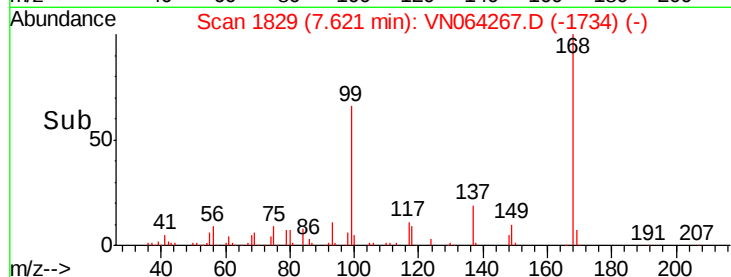
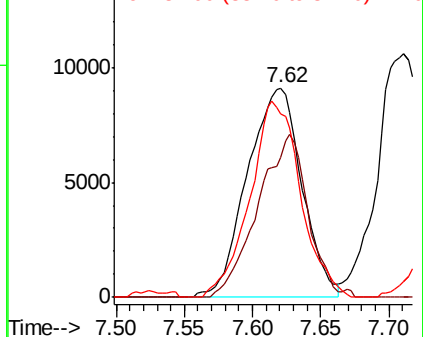
84 88.0 68.1 102.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 5.376 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

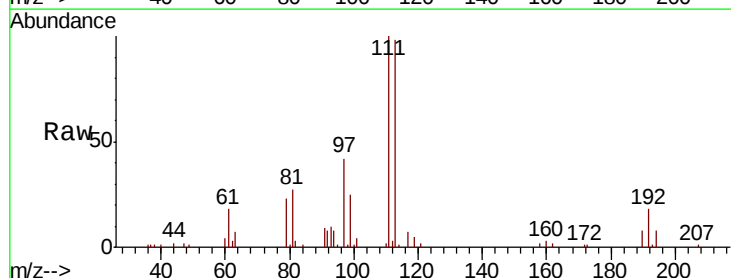
Tgt Ion: 97 Resp: 27377

Ion Ratio Lower Upper

97 100

99 63.6 51.2 76.8

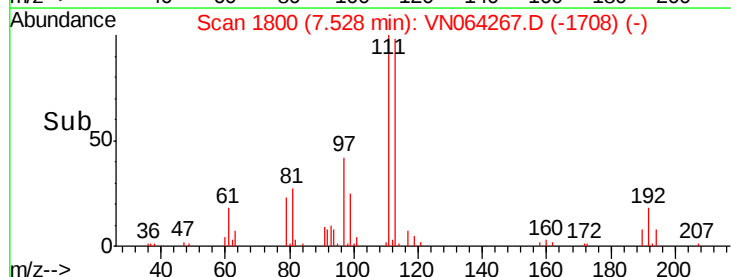
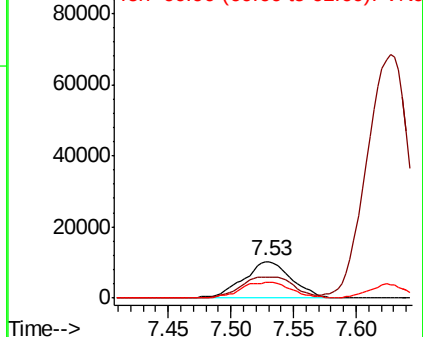
61 45.9 36.3 54.5

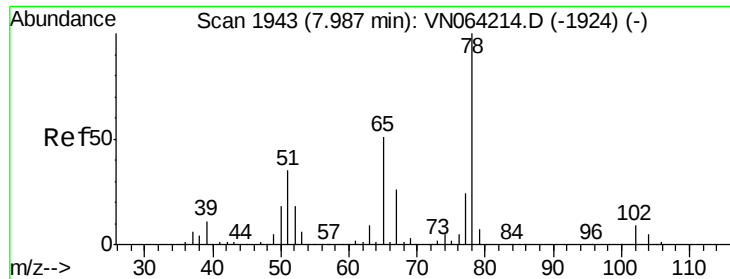


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

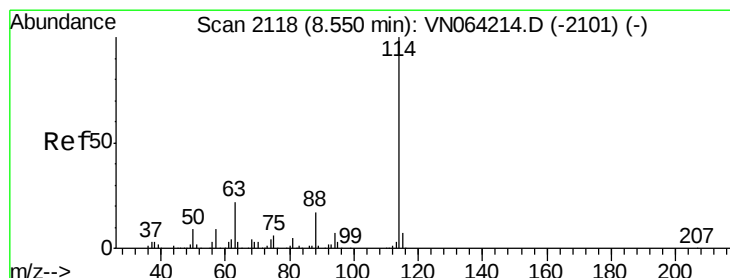
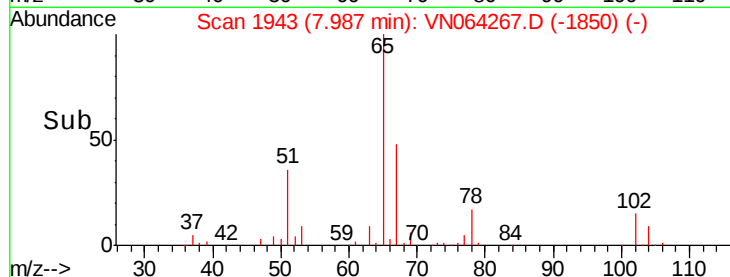
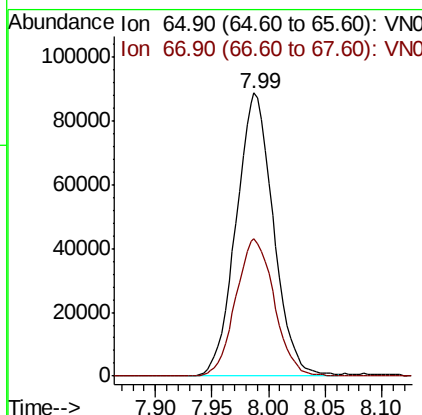
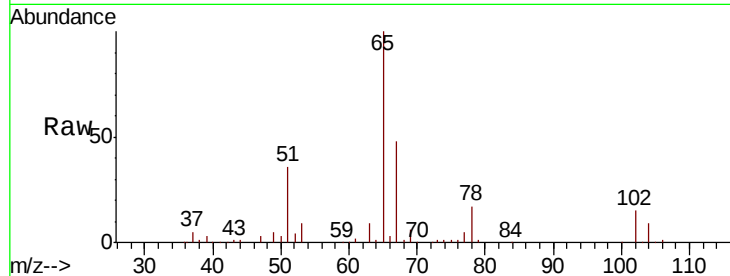




#33
 1,2-Dichloroethane-d4
 Concen: 54.382 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

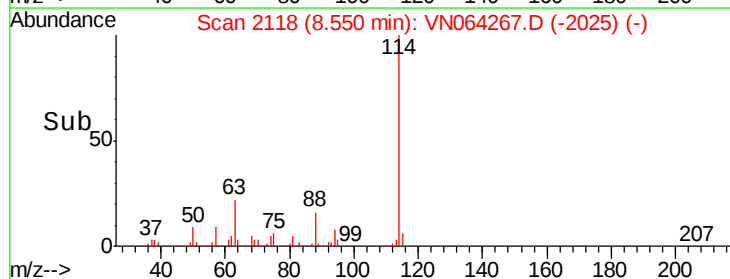
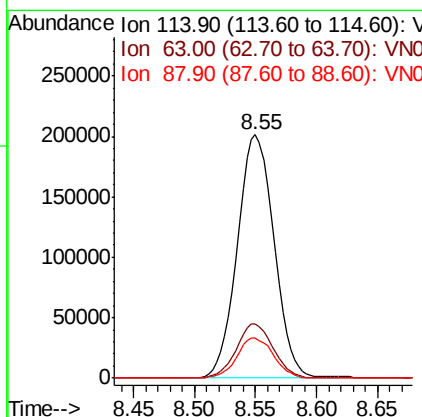
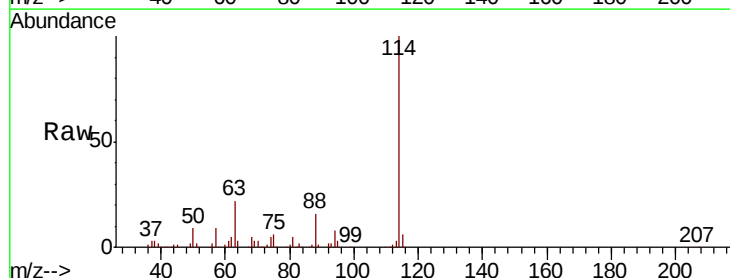
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

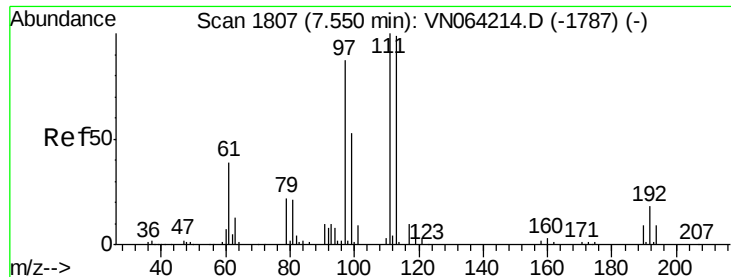
Tot Ion: 65 Resp: 203740
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 100.2



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

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

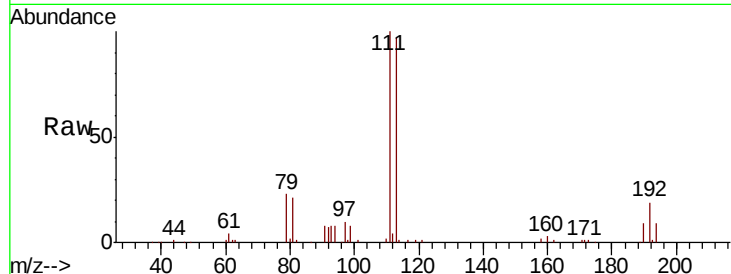




#35
 Dibromofluoromethane
 Concen: 51.364 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

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

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

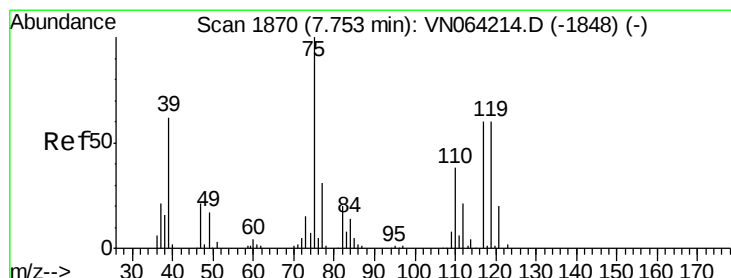
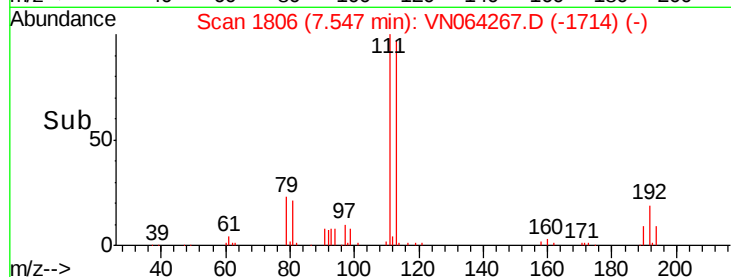
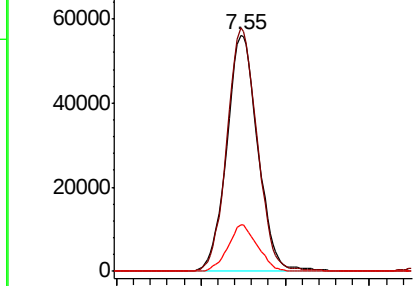


Abundance

Ion 112.80 (112.50 to 113.50): V

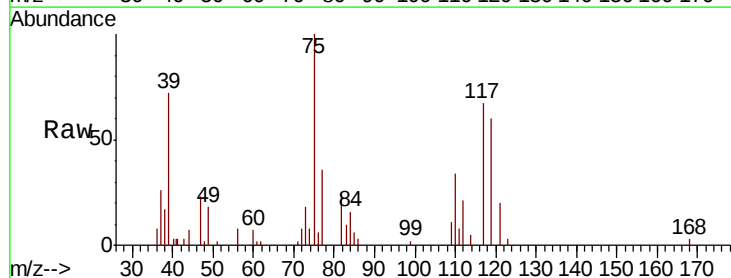
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



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

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

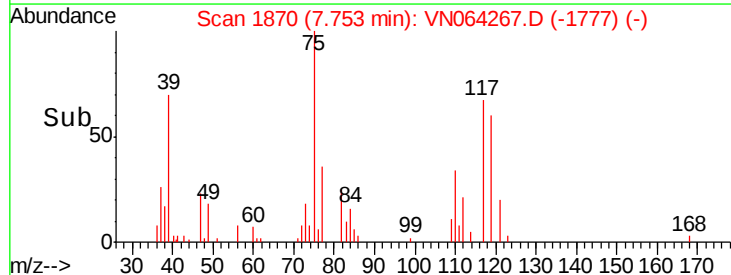
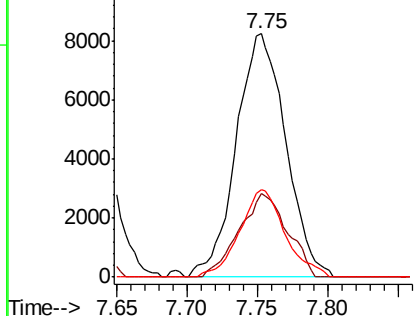


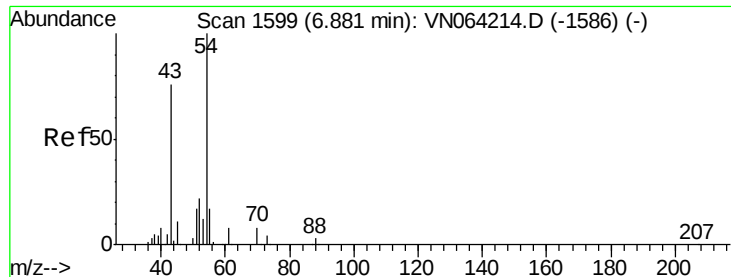
Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

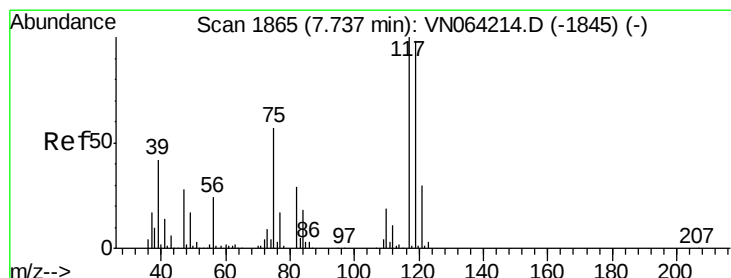
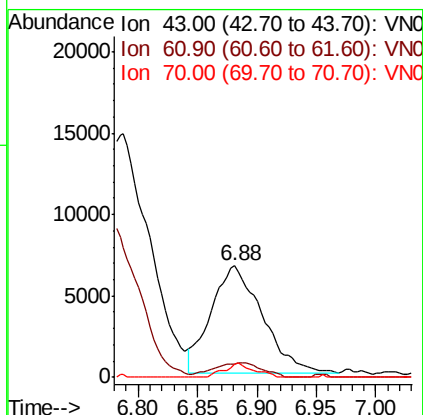
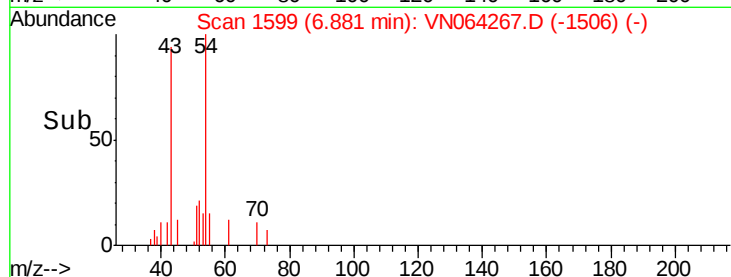
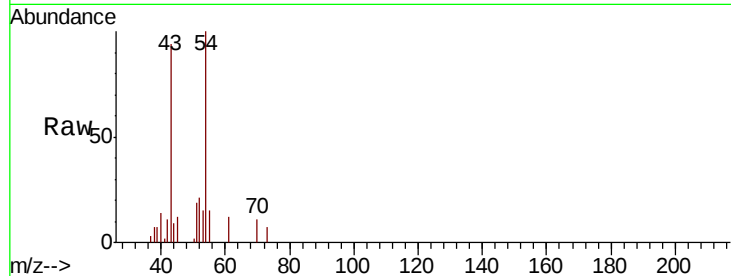




#37
Ethyl Acetate
Concen: 5.207 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

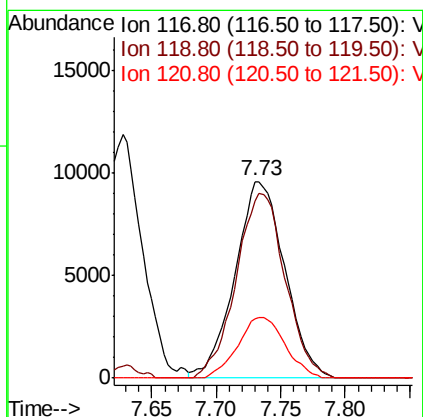
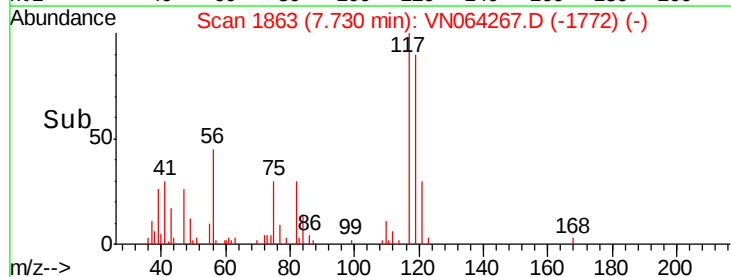
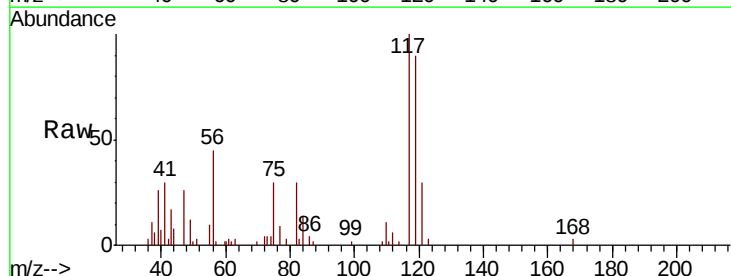
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

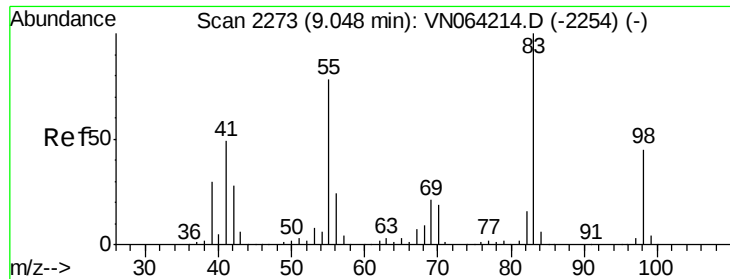
Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.0	15.0
70	7.6	7.5	11.3



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

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

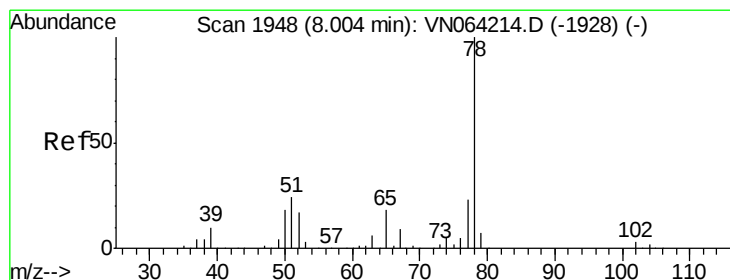
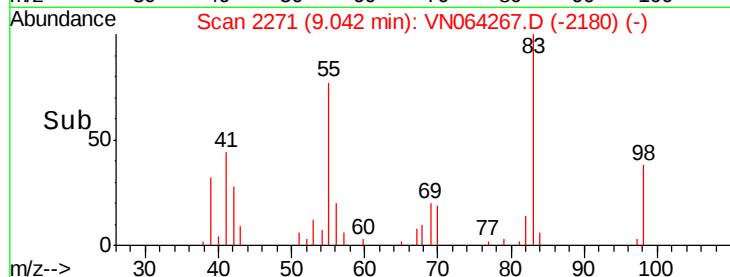
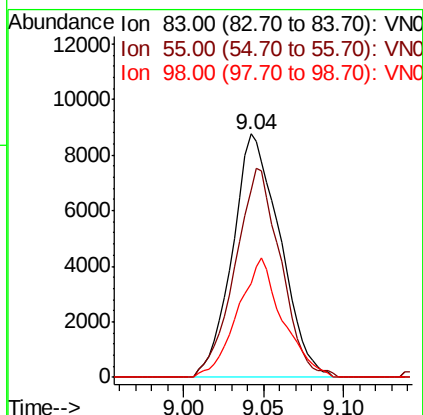
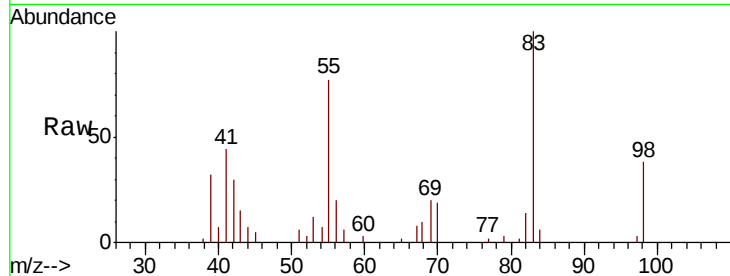




#39
Methvlcvclohexane
Concen: 4.664 ug/l
RT: 9.04 min Scan# 2271
Delta R.T. -0.01 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

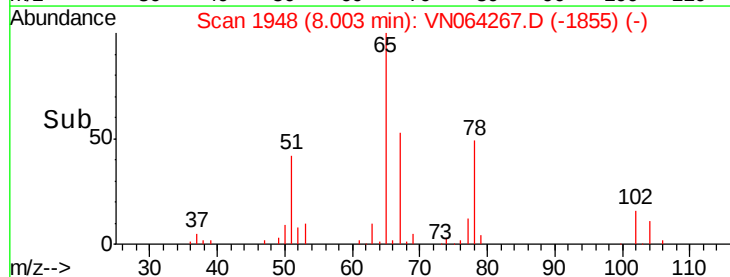
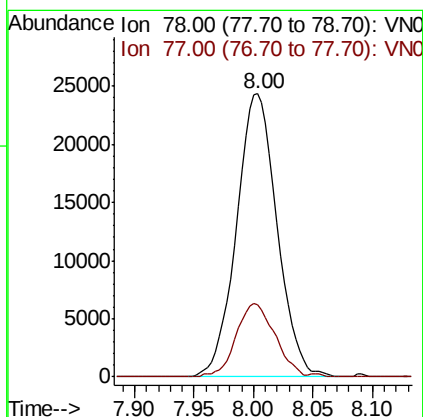
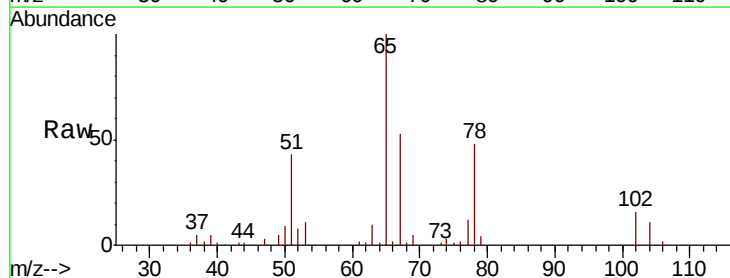
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

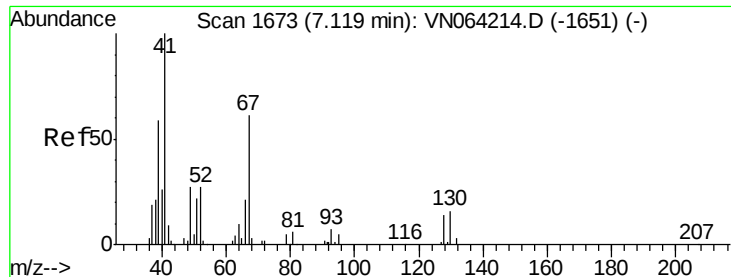
Tot Ion: 83 Resp: 17756
Ion Ratio Lower Upper
83 100
55 77.1 62.2 93.2
98 38.5 35.9 53.9



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

Tgt Ion: 78 Resp: 57566
Ion Ratio Lower Upper
78 100
77 25.3 18.3 27.5

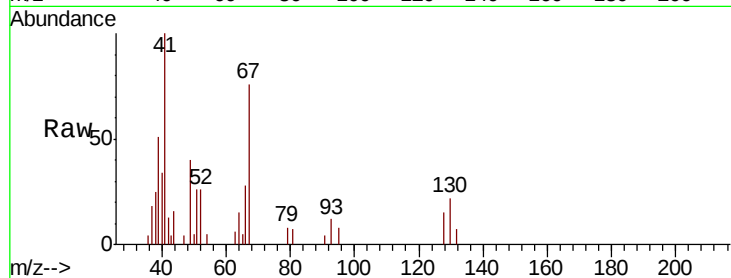




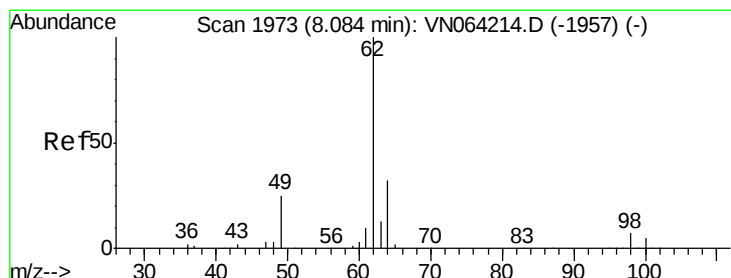
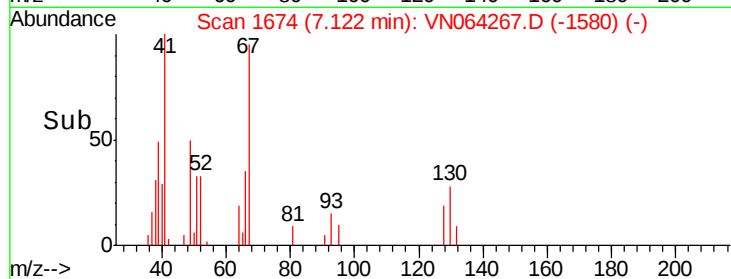
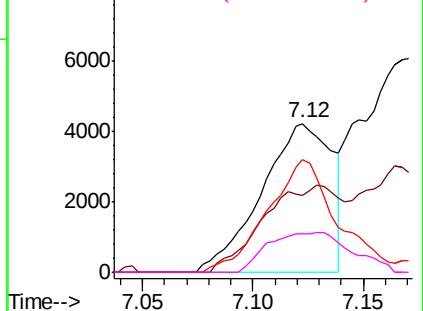
#41
Methacrylonitrile
Concen: 4.705 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

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

Tot Ion:	41	Resp:	9383
Ion	Ratio	Lower	Upper
41	100		
39	64.0	50.5	75.7
67	74.5	63.2	94.8
52	31.5	29.3	43.9

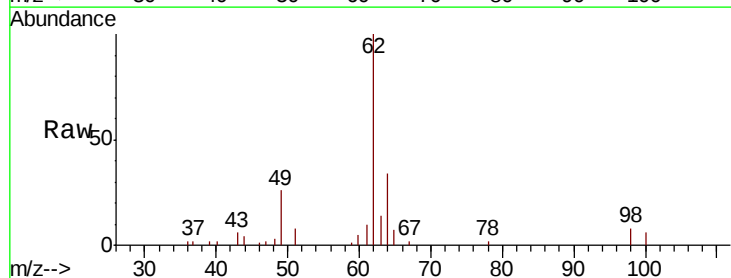


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

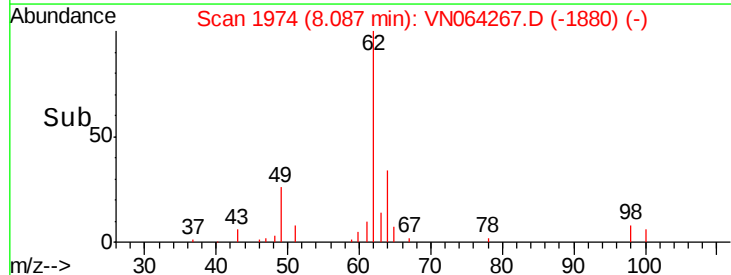
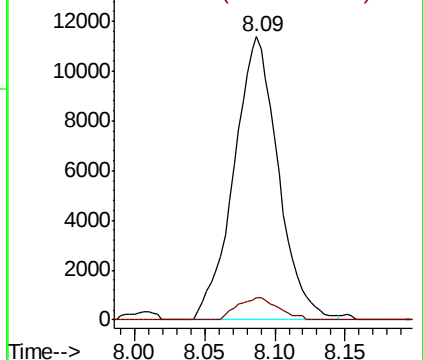


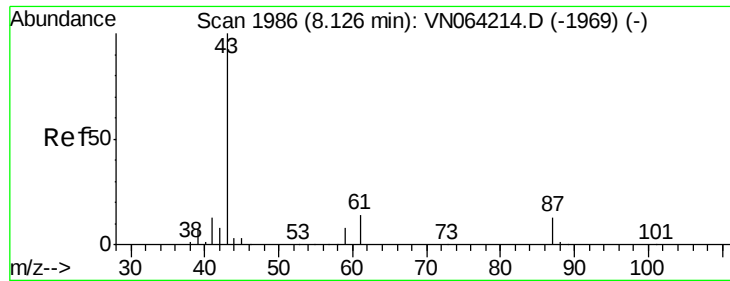
#42
1,2-Dichloroethane
Concen: 5.055 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Tgt Ion:	62	Resp:	25030
Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	15.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 5.405 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

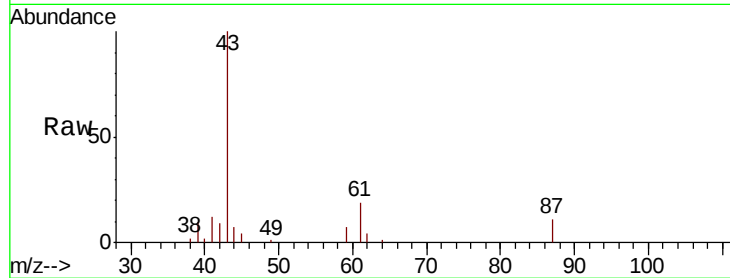
Tot Ion: 43 Resp: 38296

Ion Ratio Lower Upper

43 100

61 20.3 19.6 29.4

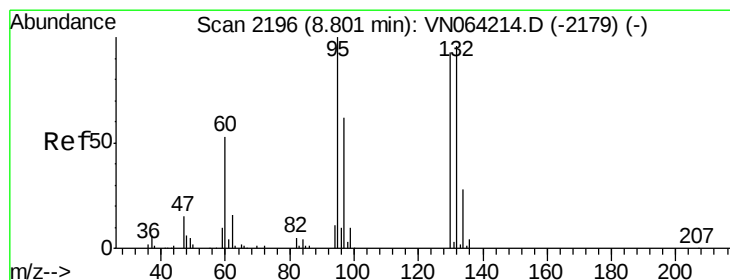
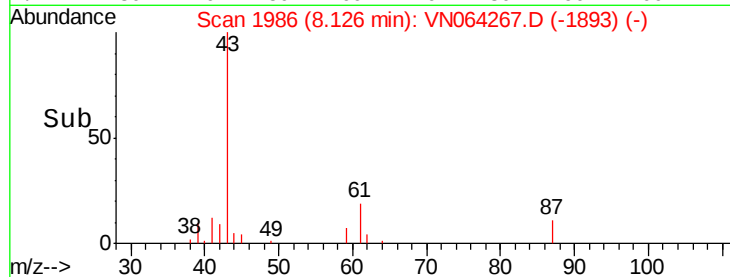
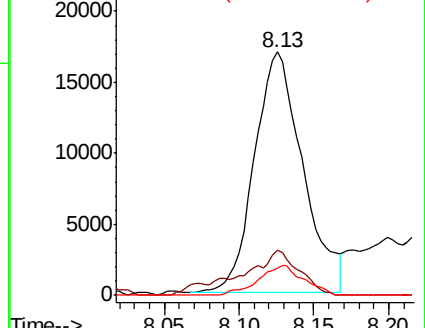
87 11.5 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN064267.D (-2103) (-)

Ion 61.00 (60.70 to 61.70): VN064267.D (-2103) (-)

Ion 87.00 (86.70 to 87.70): VN064267.D (-2103) (-)



#44

Trichloroethene

Concen: 5.244 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN064267.D

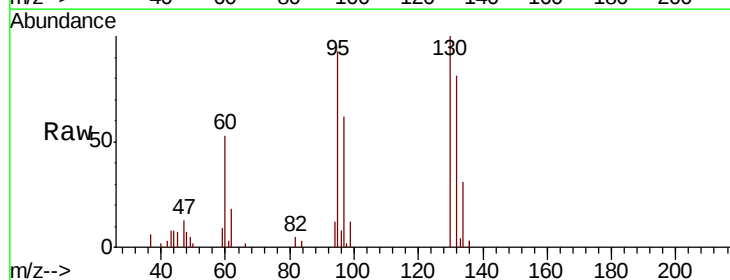
Acq: 22 Oct 2020 22:02

Tgt Ion:130 Resp: 16516

Ion Ratio Lower Upper

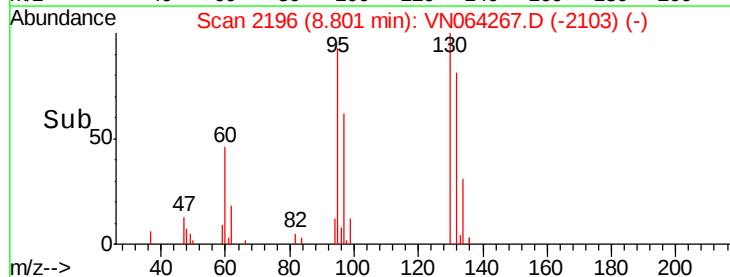
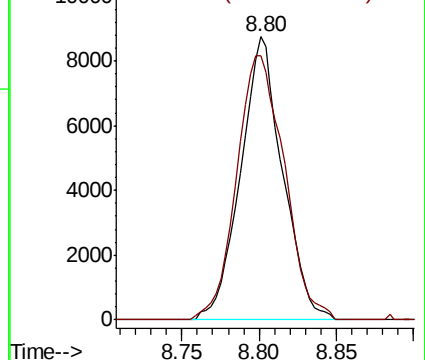
130 100

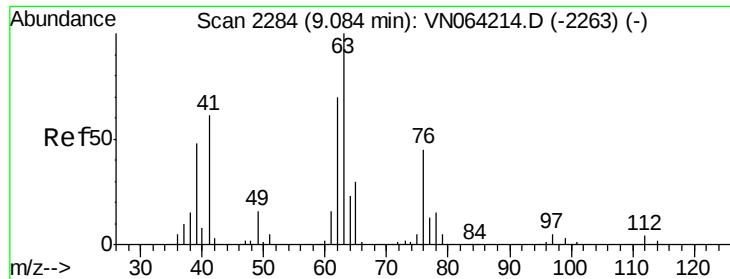
95 93.4 0.0 214.0



Abundance Ion 129.80 (129.50 to 130.50): VN064267.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN064267.D (-2103) (-)

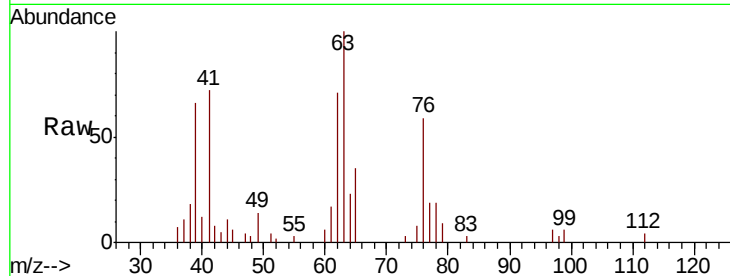




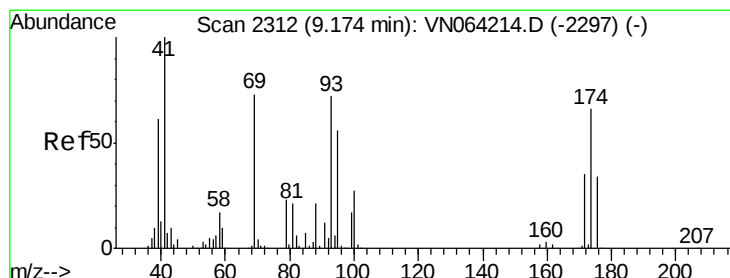
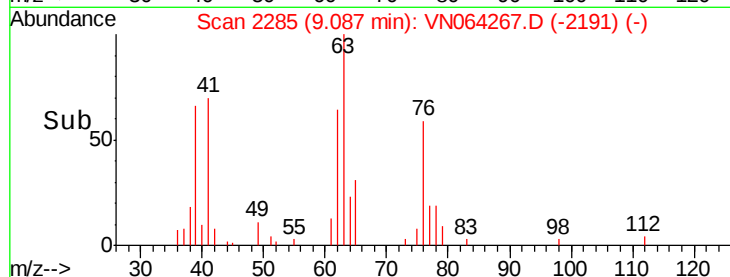
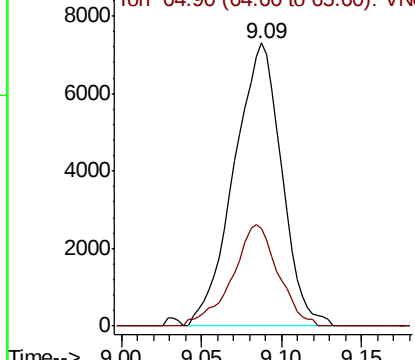
#45
 1,2-Dichloropropane
 Concen: 4.829 ug/l
 RT: 9.09 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

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

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

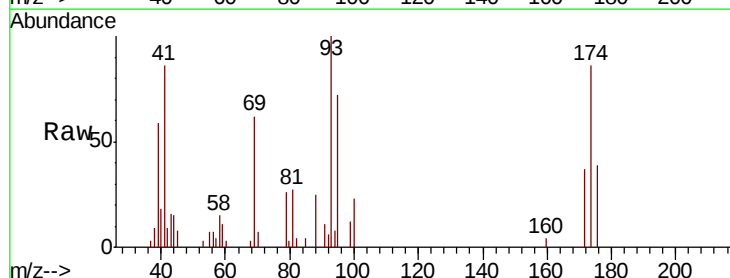


Abundance Ion 62.90 (62.60 to 63.60): VN0
 Ion 64.90 (64.60 to 65.60): VN0

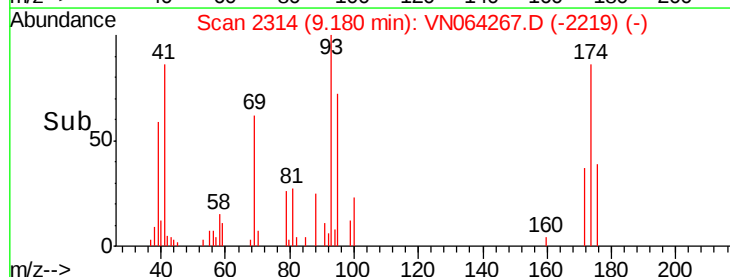
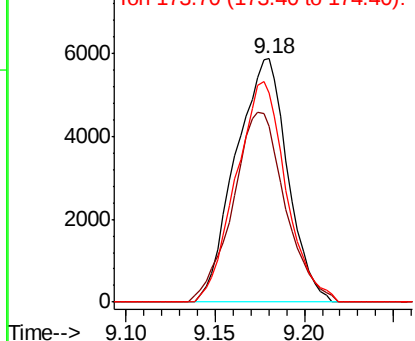


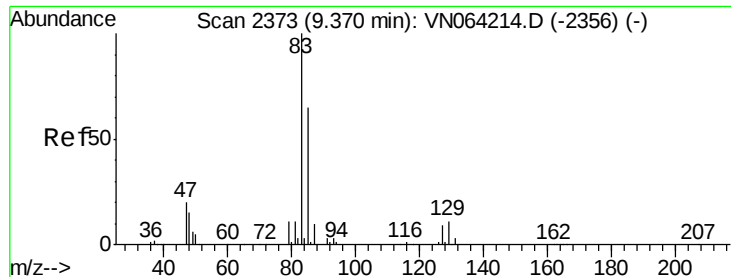
#46
 Dibromomethane
 Concen: 5.766 ug/l
 RT: 9.18 min Scan# 2314
 Delta R.T. 0.01 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

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



Abundance Ion 92.80 (92.50 to 93.50): VN0
 Ion 94.80 (94.50 to 95.50): VN0
 Ion 173.70 (173.40 to 174.40): V

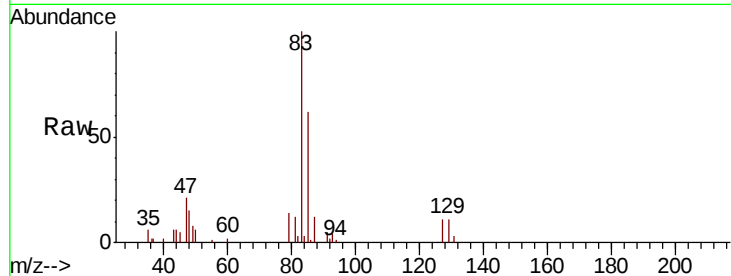




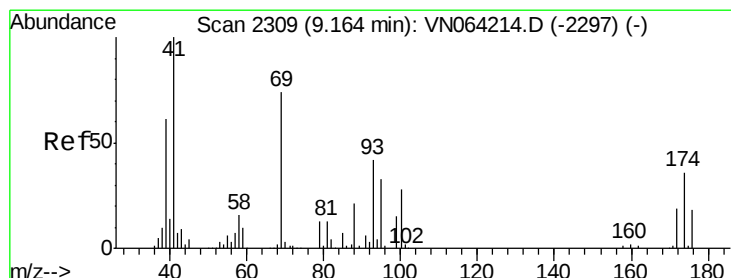
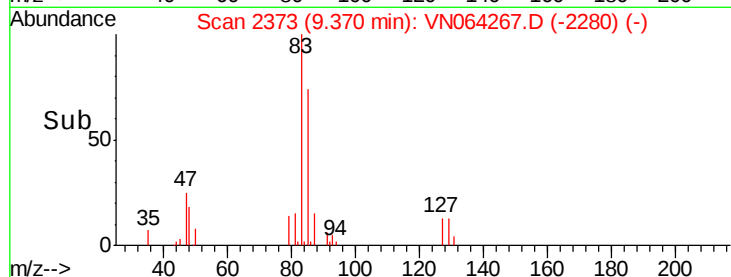
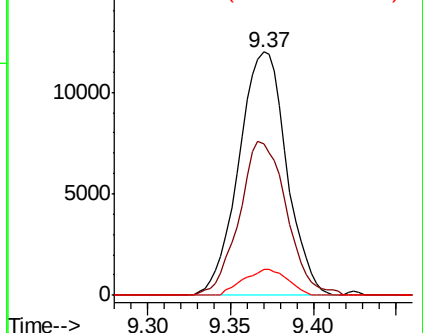
#47
Bromodichloromethane
Concen: 5.239 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

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

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

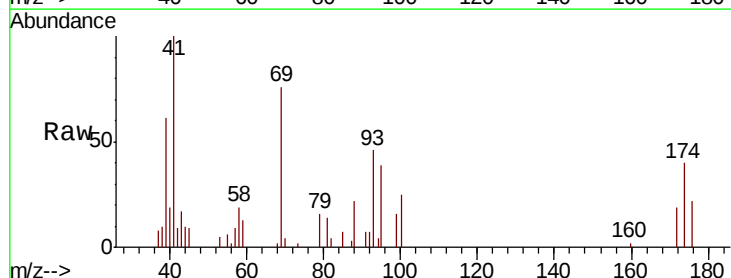


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

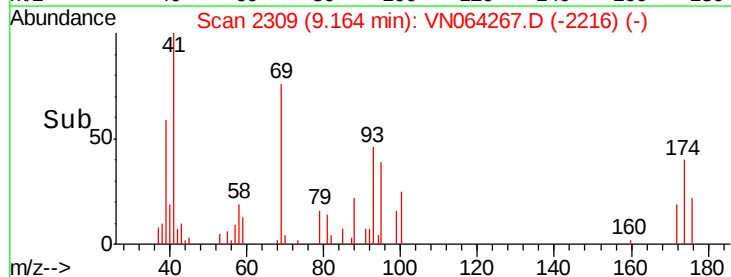
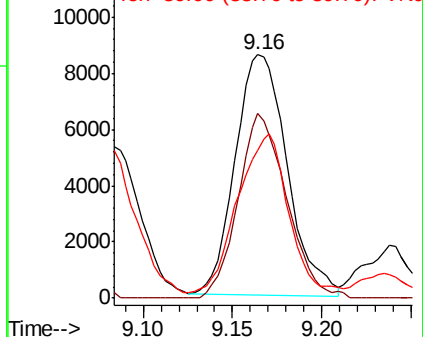


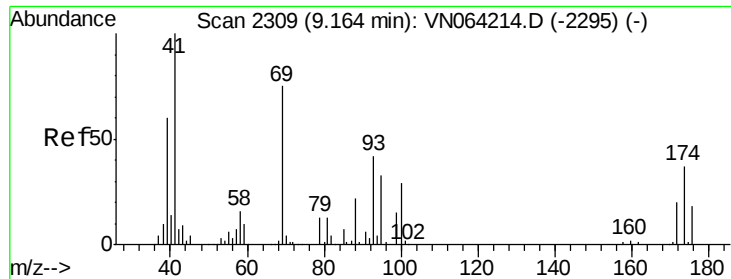
#48
Methyl methacrylate
Concen: 4.686 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

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



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

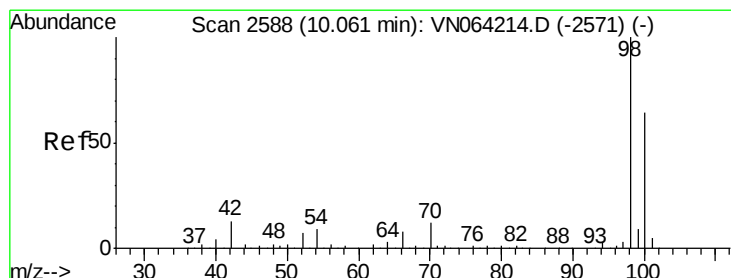
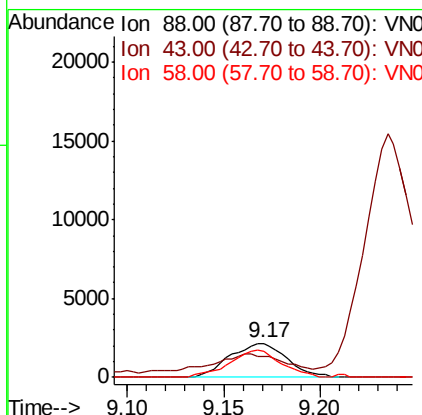
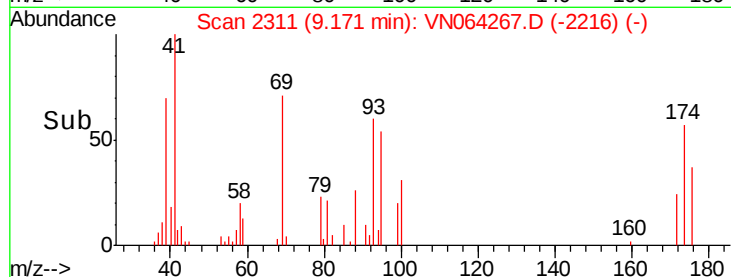
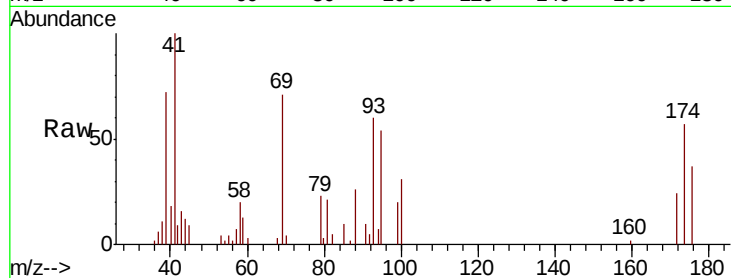




#49
1,4-Dioxane
Concen: 101.334 ug/l
RT: 9.17 min Scan# 2311
Delta R.T. 0.01 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

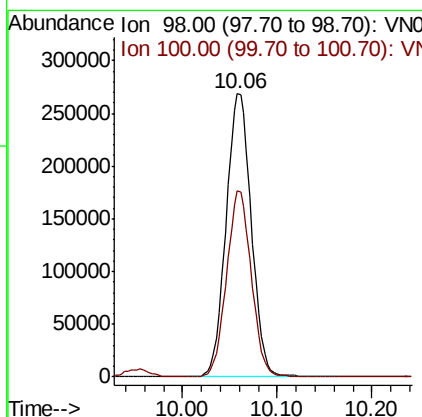
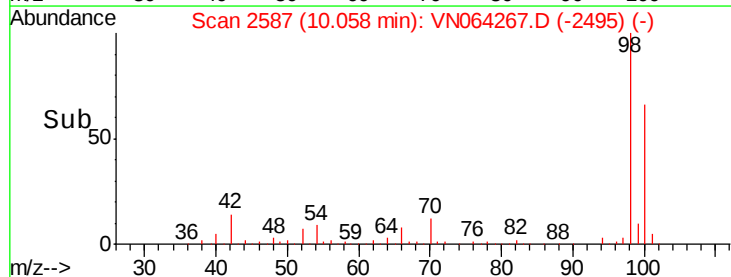
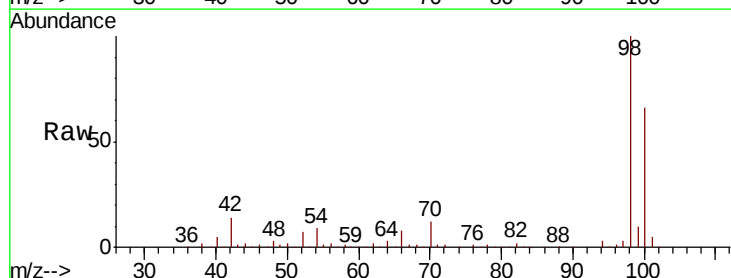
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

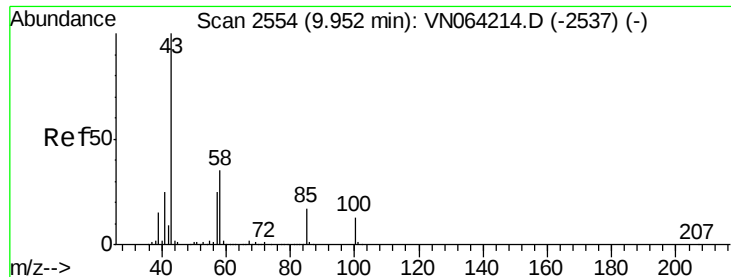
Tot Ion: 88 Resp: 4388
Ion Ratio Lower Upper
88 100
43 68.2 34.6 52.0#
58 72.4 59.0 88.6



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

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





#51

4-Methyl-2-Pentanone

Concen: 25.482 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

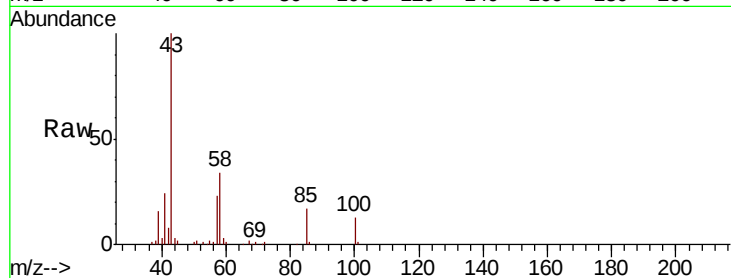
LOQ-WATER-02-QT4-2020

Tot Ion: 43 Resp: 96486

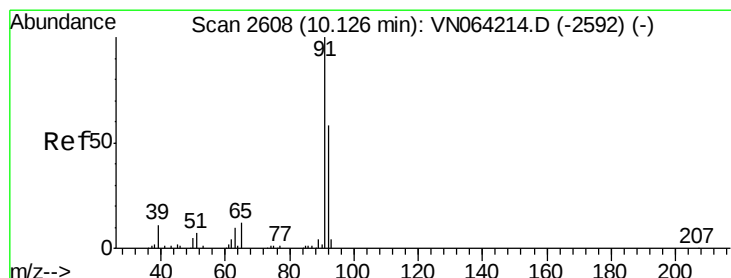
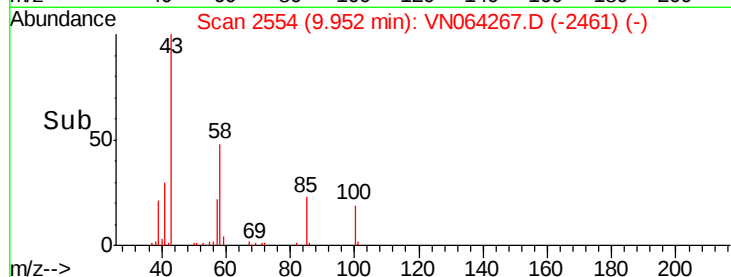
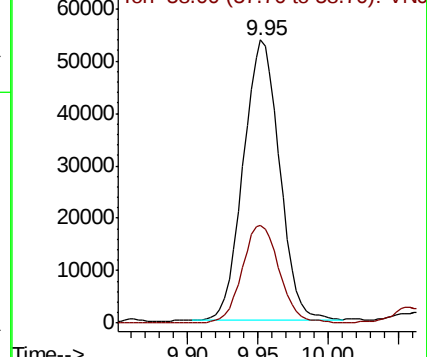
Ion Ratio Lower Upper

43 100

58 35.9 28.6 42.8



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



#52

Toluene

Concen: 4.753 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VN064267.D

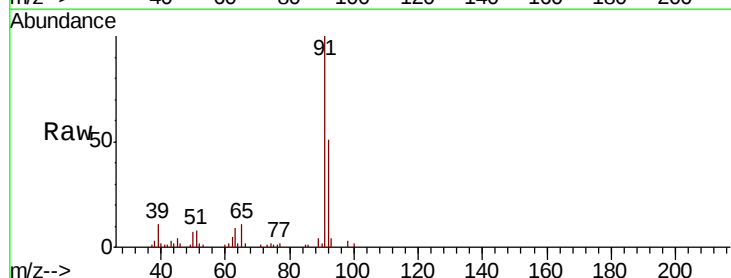
Acq: 22 Oct 2020 22:02

Tgt Ion: 92 Resp: 35151

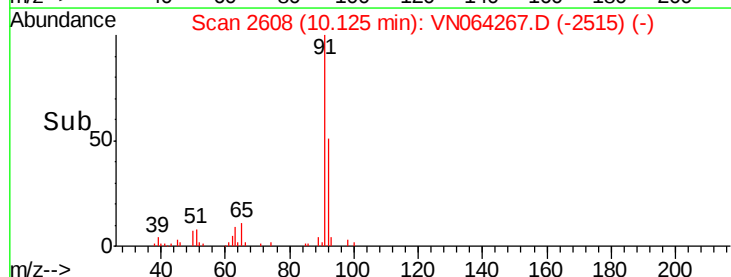
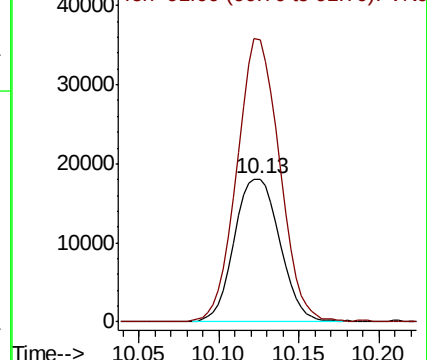
Ion Ratio Lower Upper

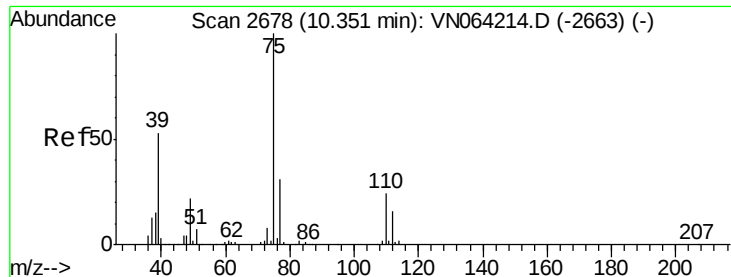
92 100

91 185.3 137.4 206.2



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





#53

t-1,3-Dichloropropene

Concen: 5.151 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

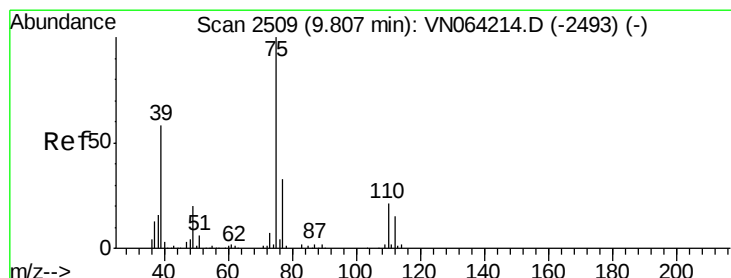
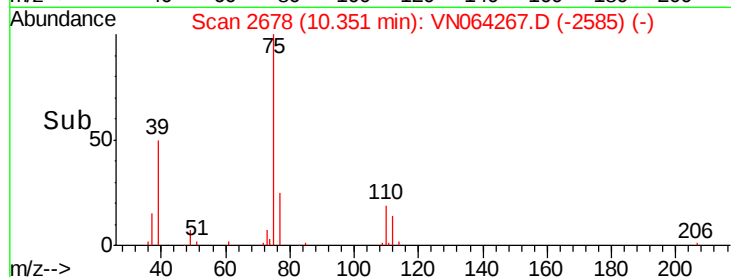
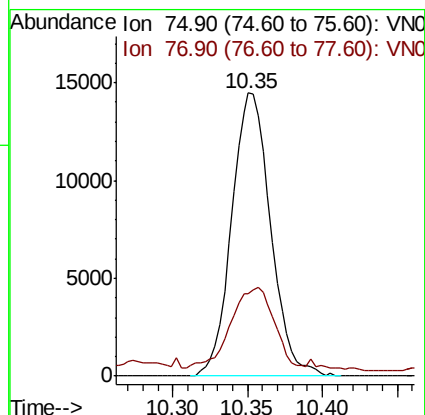
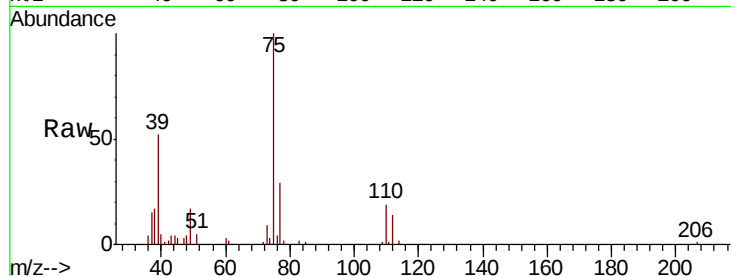
LOQ-WATER-02-QT4-2020

Tot Ion: 75 Resp: 26191

Ion Ratio Lower Upper

75 100

77 26.2 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 4.740 ug/l

RT: 9.81 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

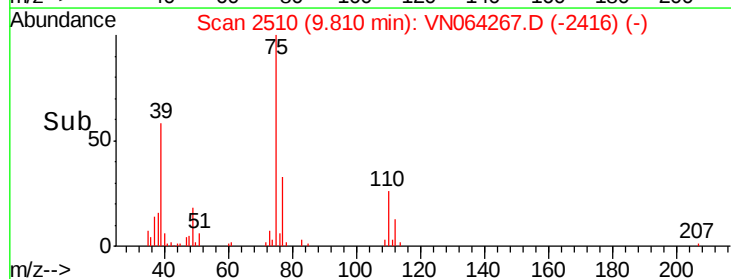
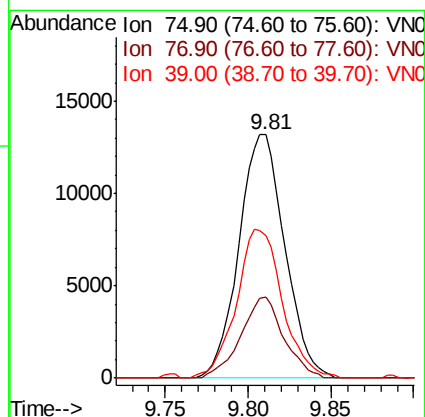
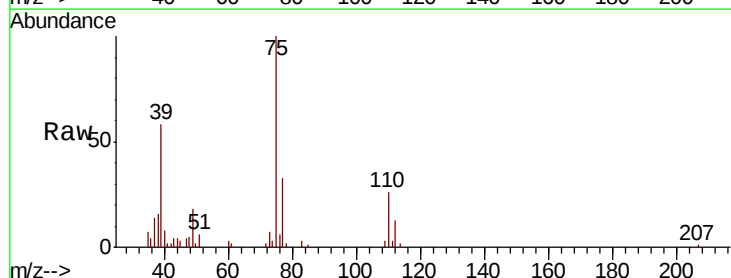
Tgt Ion: 75 Resp: 25378

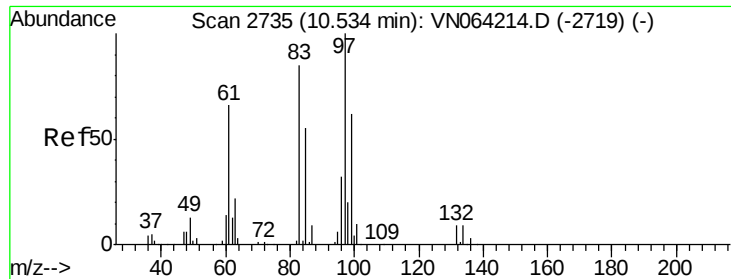
Ion Ratio Lower Upper

75 100

77 33.2 26.6 39.8

39 58.4 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 5.320 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 97 Resp: 14858

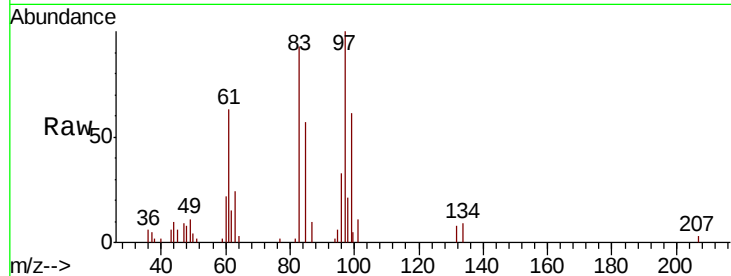
Ion Ratio Lower Upper

97 100

83 93.4 67.8 101.6

85 56.7 43.6 65.4

99 61.1 49.9 74.9

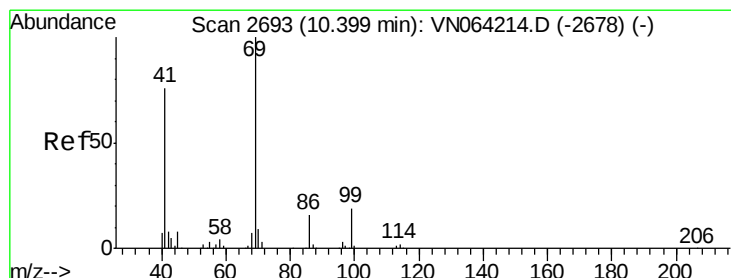
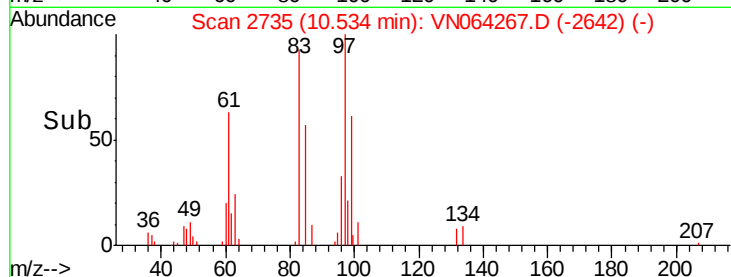
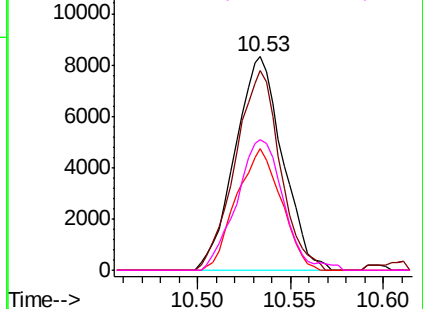


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 4.813 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

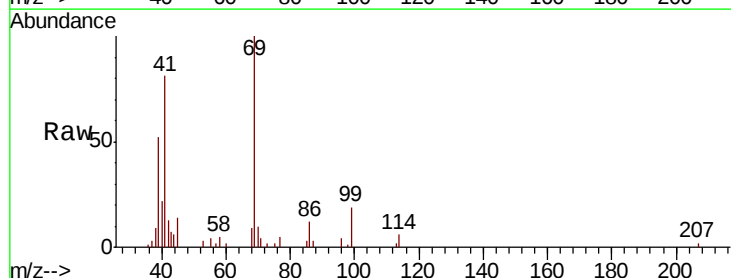
Tgt Ion: 69 Resp: 20785

Ion Ratio Lower Upper

69 100

41 79.1 61.4 92.2

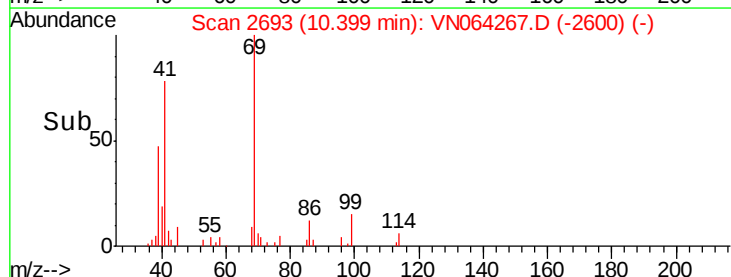
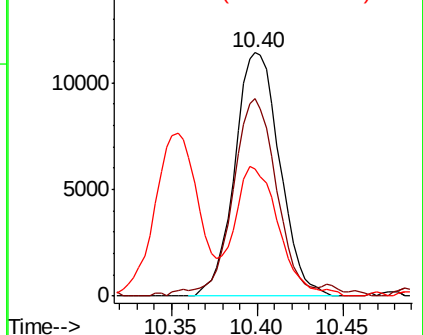
39 52.9 36.0 54.0

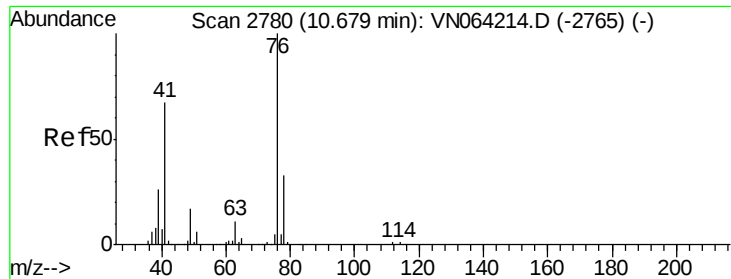


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 5.222 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

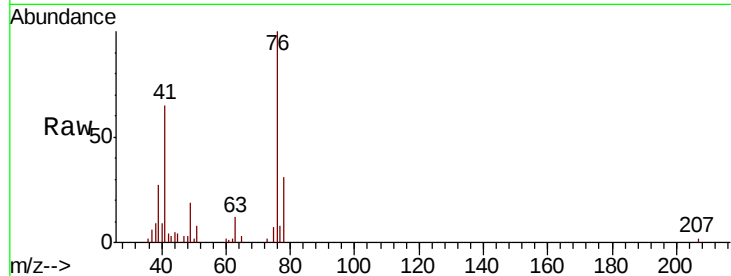
LOQ-WATER-02-QT4-2020

Tot Ion: 76 Resp: 25336

Ion Ratio Lower Upper

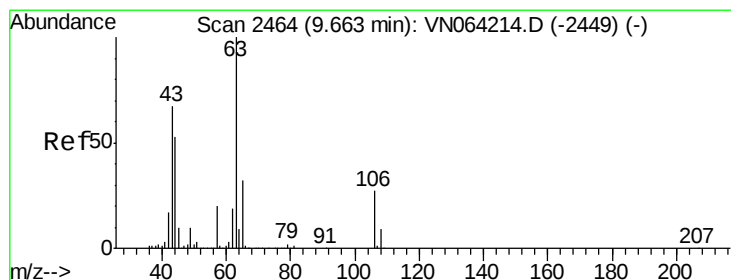
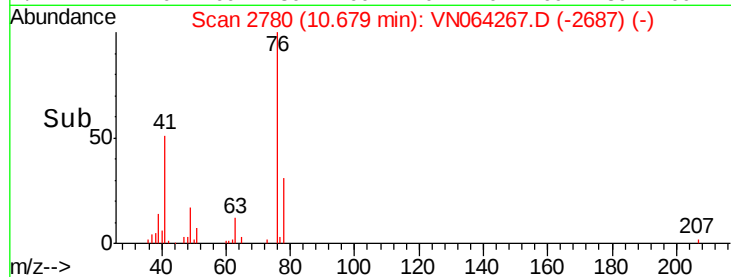
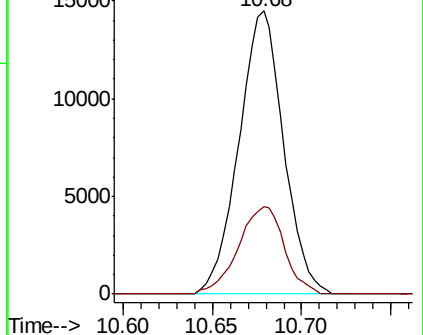
76 100

78 31.7 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN064267.D (-2687) (-)

Ion 77.90 (77.60 to 78.60): VN064267.D (-2687) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 25.458 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN064267.D

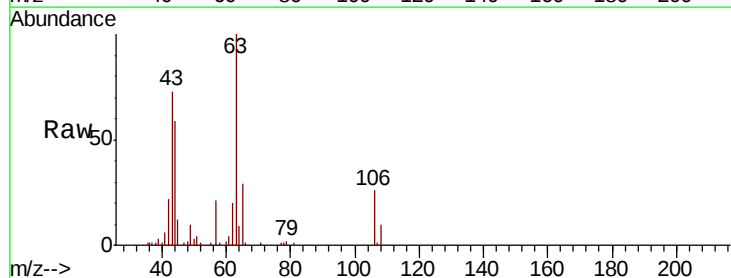
Acq: 22 Oct 2020 22:02

Tgt Ion: 63 Resp: 56615

Ion Ratio Lower Upper

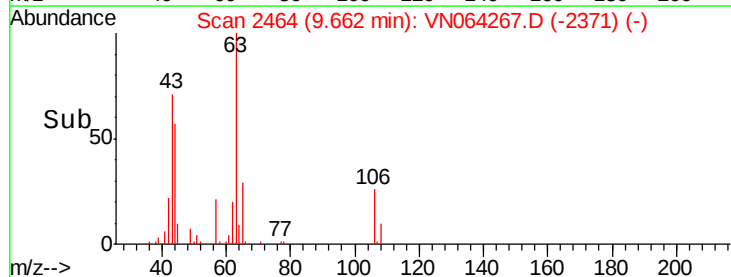
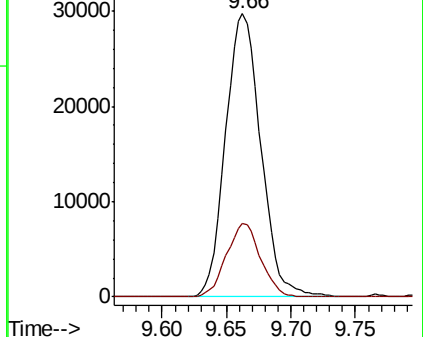
63 100

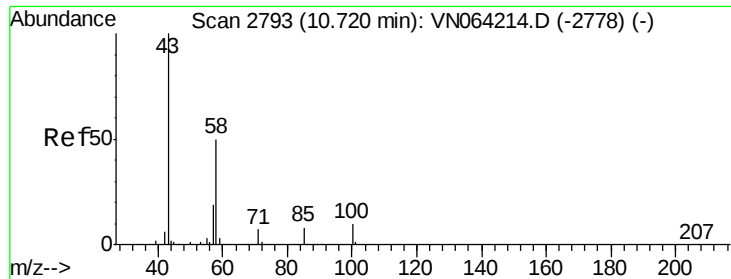
106 25.0 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VN064267.D (-2371) (-)

Ion 105.90 (105.60 to 106.60): VN064267.D (-2371) (-)

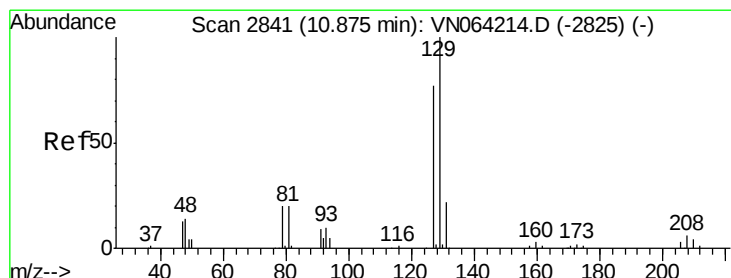
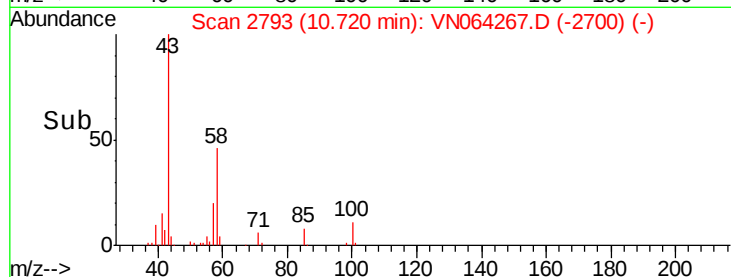
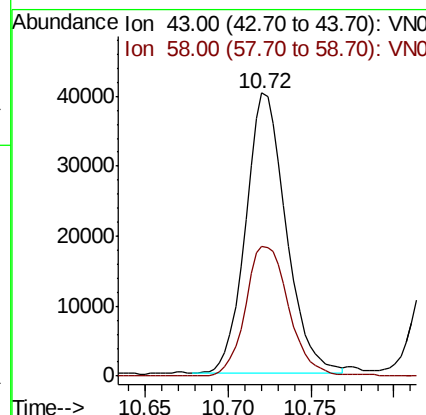
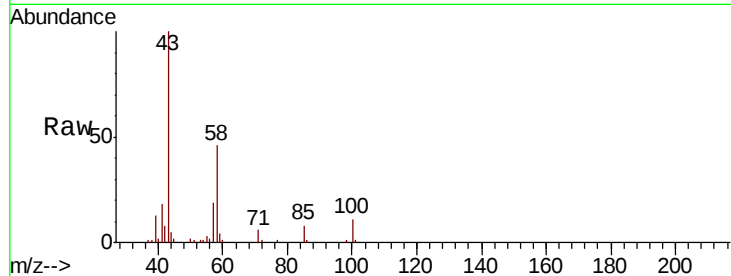




#59
2-Hexanone
Concen: 24.546 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

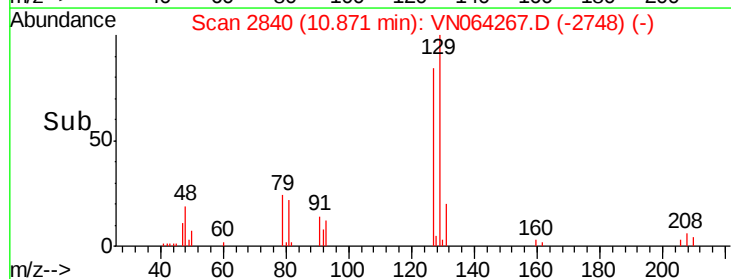
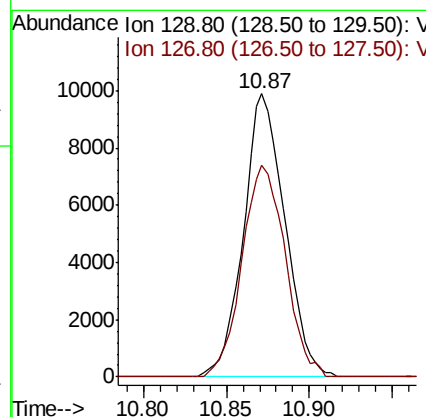
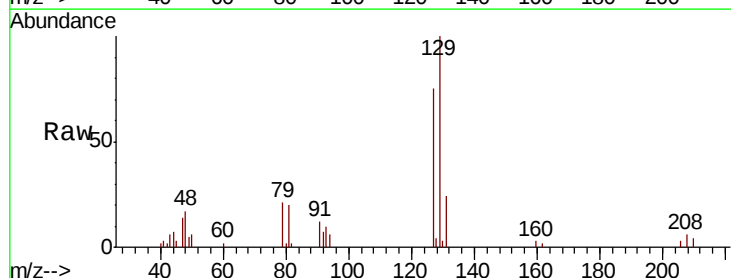
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

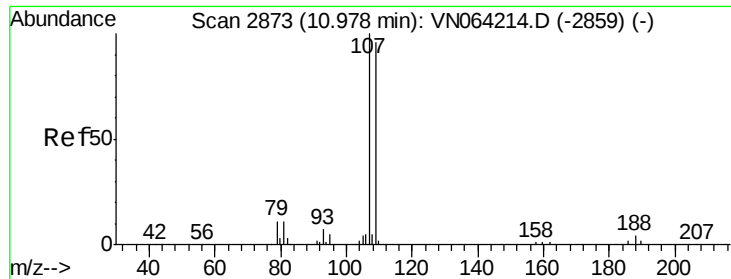
Tot Ion: 43 Resp: 67877
Ion Ratio Lower Upper
43 100
58 49.5 24.8 74.3



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

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

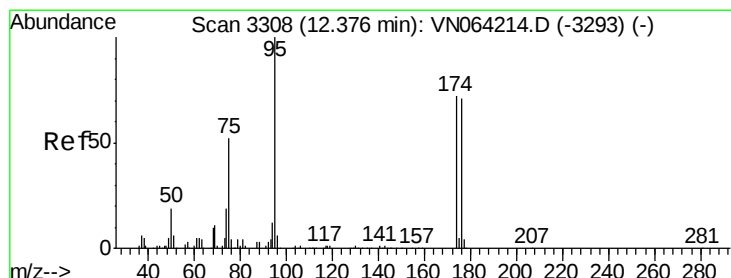
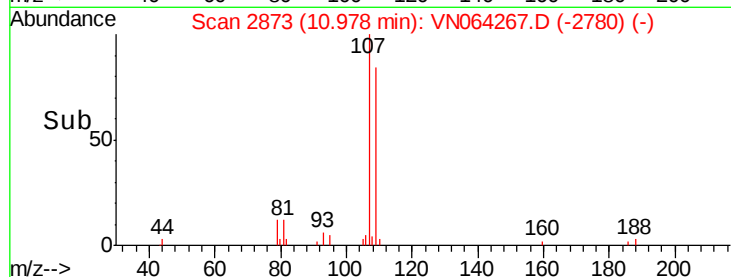
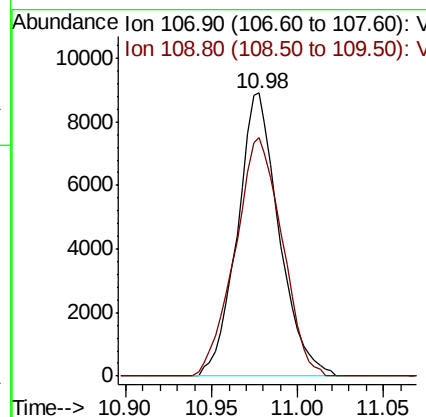
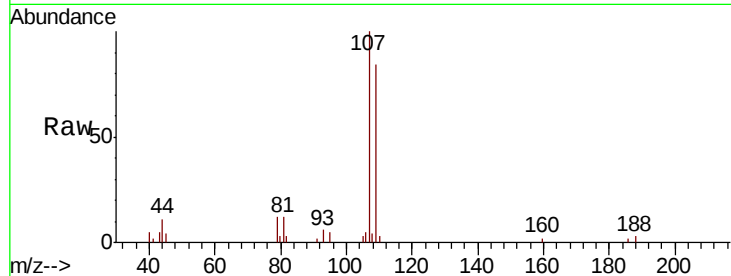




#61
 1,2-Dibromoethane
 Concen: 5.089 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

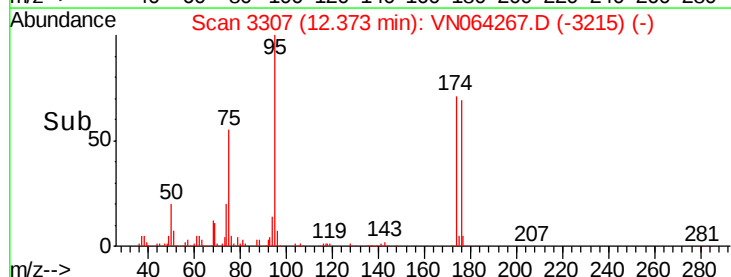
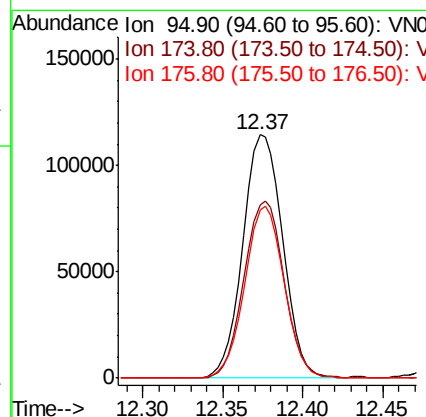
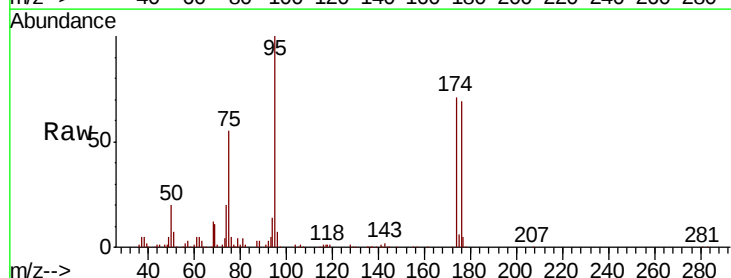
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

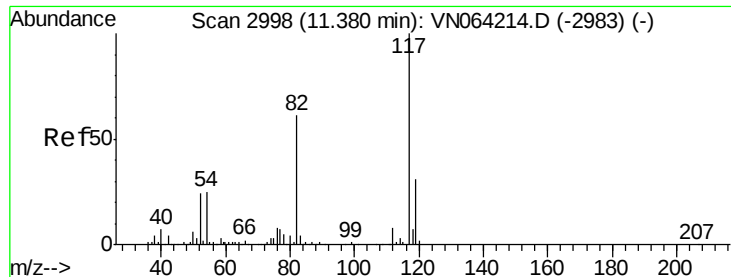
Tot Ion:107 Resp: 14999
 Ion Ratio Lower Upper
 107 100
 109 94.9 76.2 114.4



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

Tgt Ion: 95 Resp: 194523
 Ion Ratio Lower Upper
 95 100
 174 73.3 0.0 144.4
 176 70.0 0.0 139.2

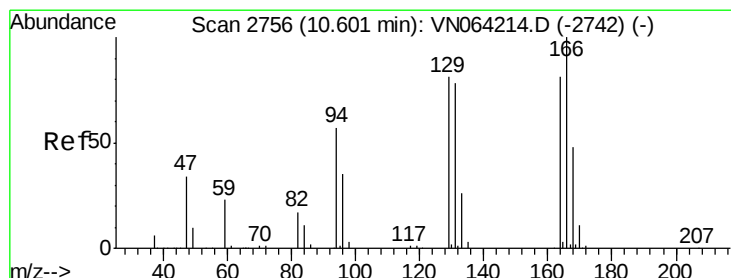
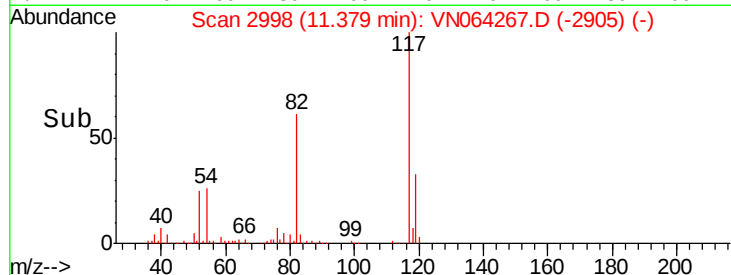
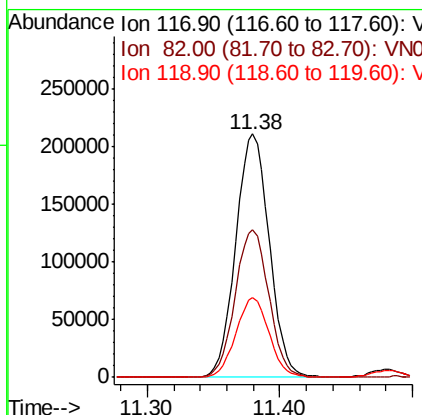
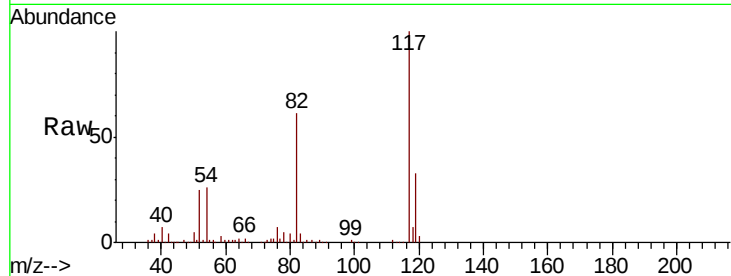




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

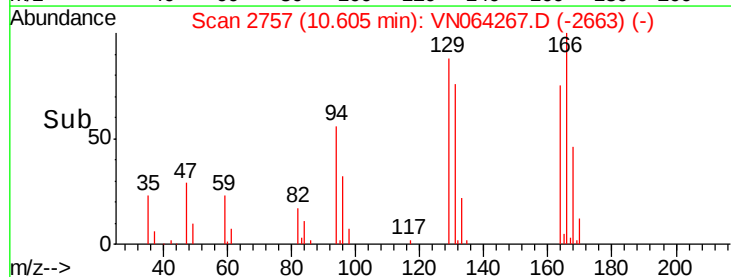
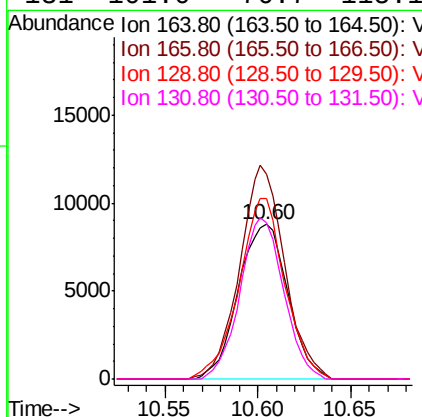
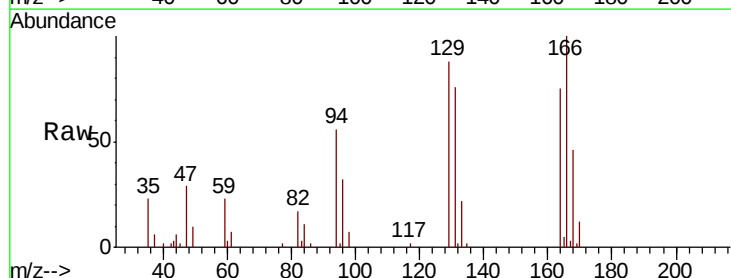
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

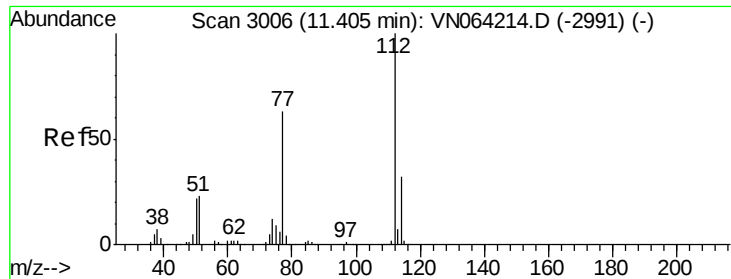
Tot Ion:117 Resp: 369904
Ion Ratio Lower Upper
117 100
82 60.5 48.8 73.2
119 32.9 24.7 37.1



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

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

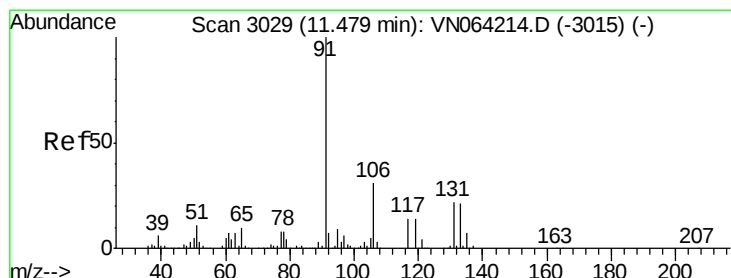
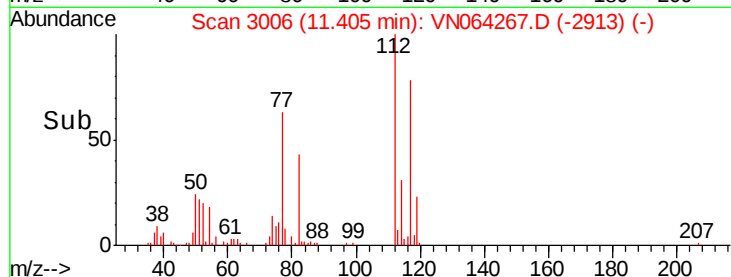
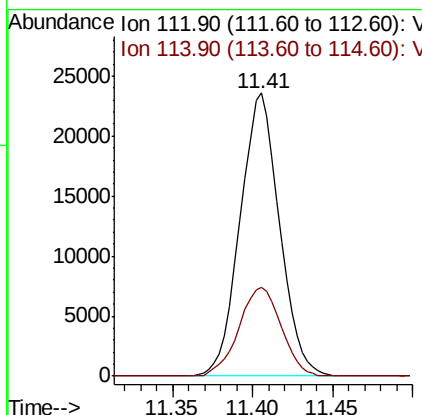
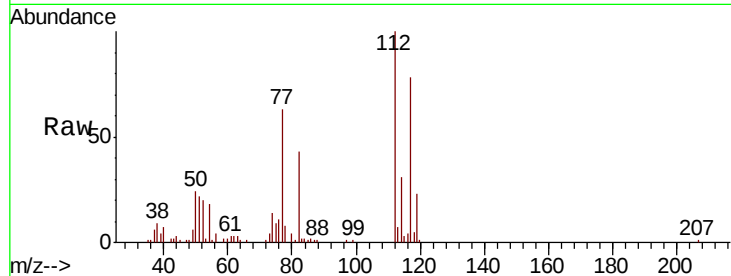




#65
Chlorobenzene
Concen: 5.175 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

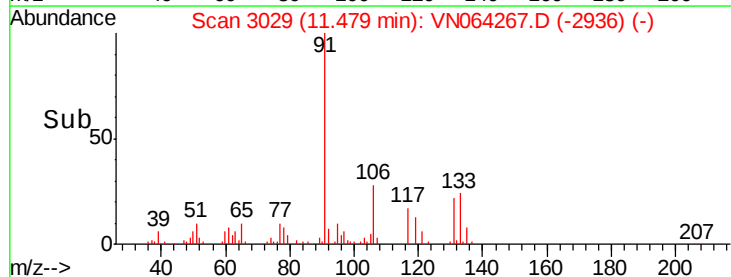
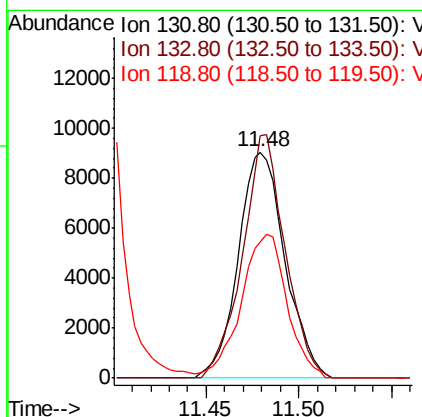
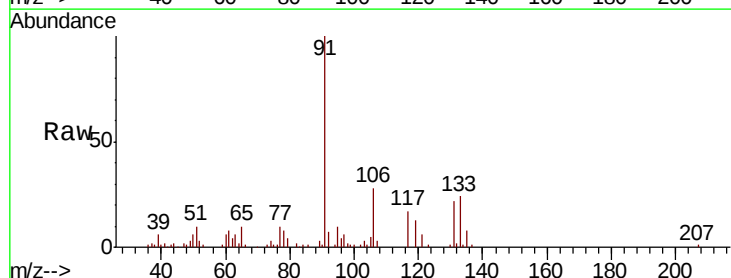
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

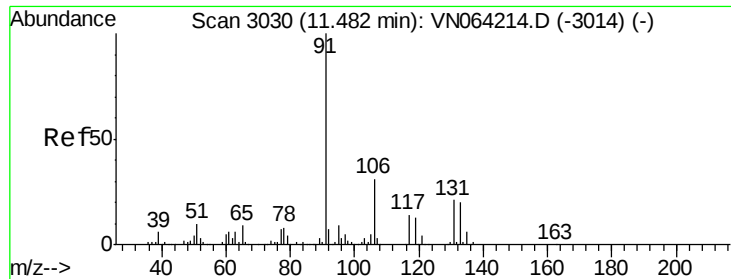
Tot Ion:112 Resp: 39627
Ion Ratio Lower Upper
112 100
114 31.5 25.7 38.5



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

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

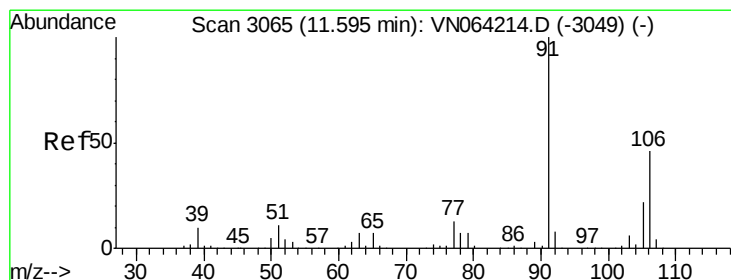
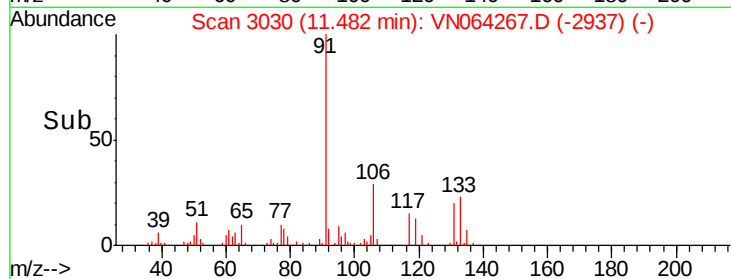
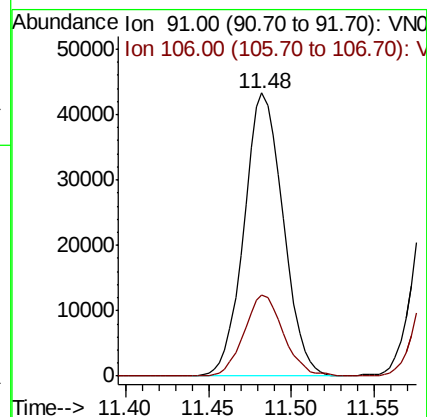
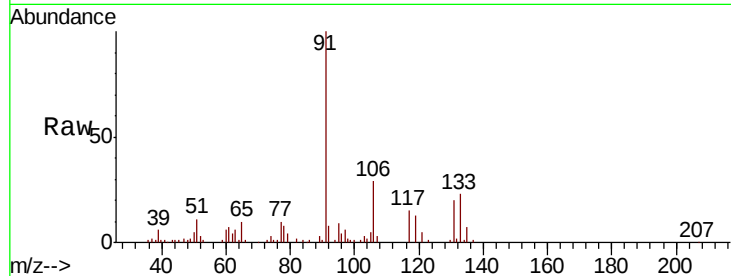




#67
Ethyl Benzene
Concen: 5.038 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

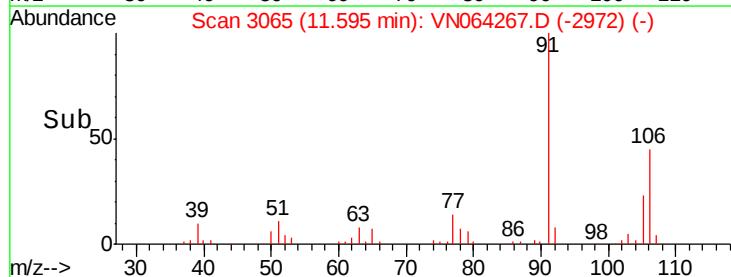
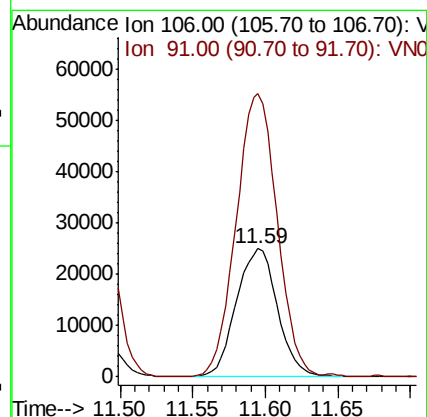
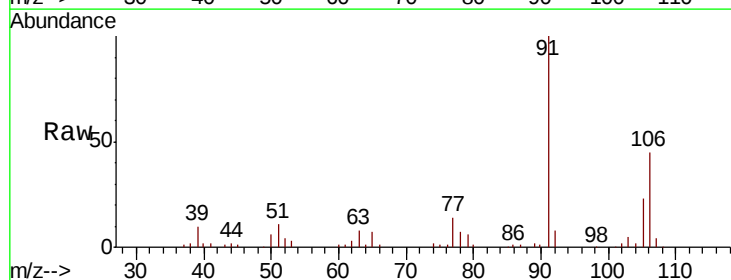
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

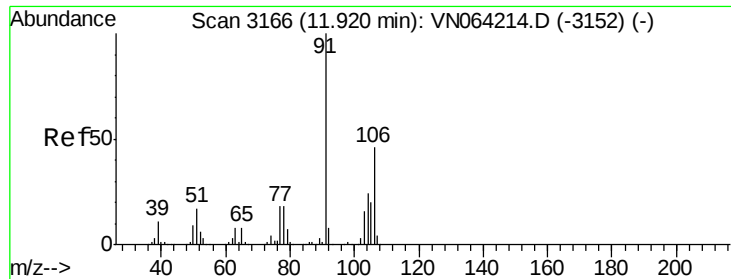
Tot Ion: 91 Resp: 70897
Ion Ratio Lower Upper
91 100
106 28.9 24.8 37.2



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

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

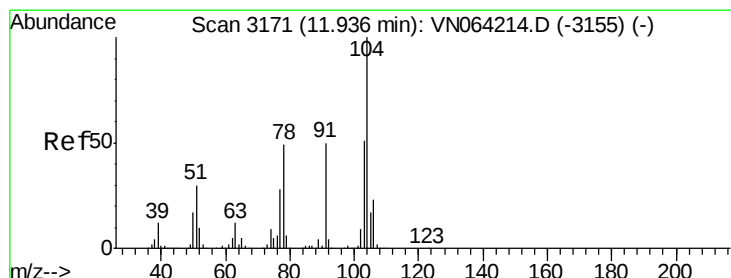
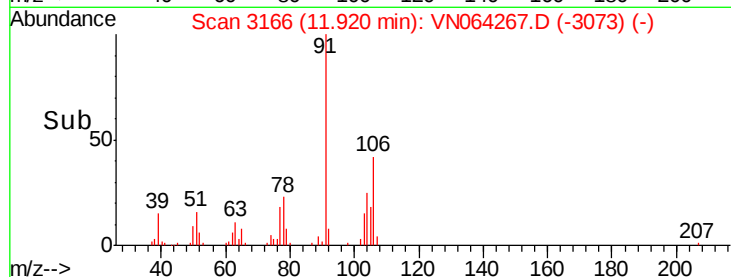
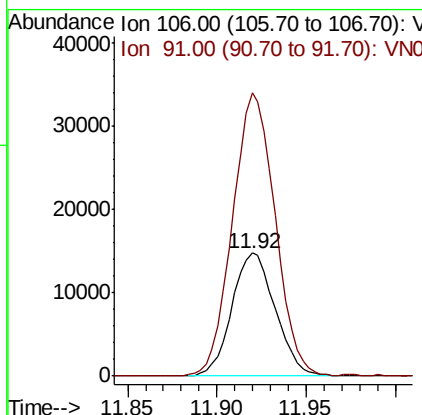
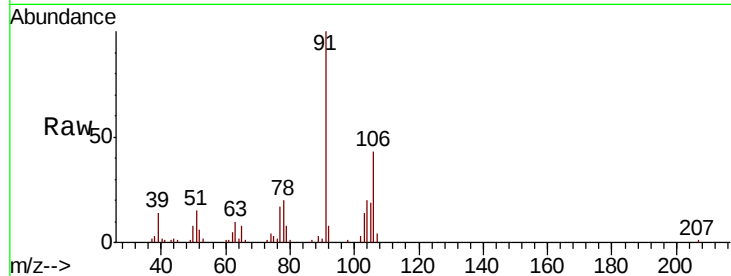




#69
o-Xylene
Concen: 4.953 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

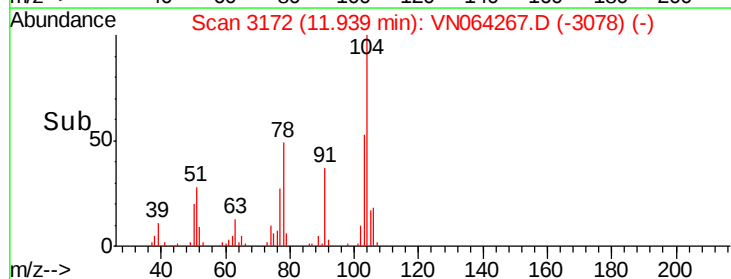
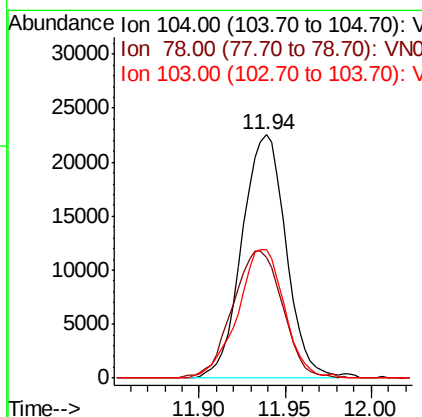
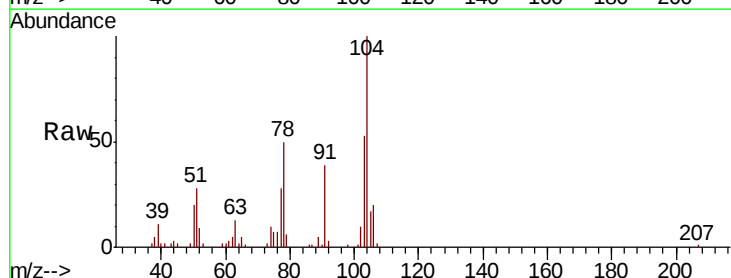
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

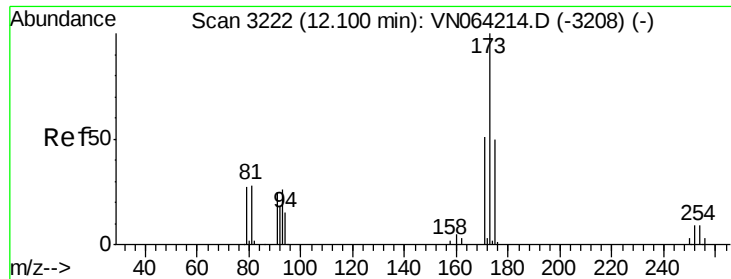
Tot Ion:106 Resp: 24974
Ion Ratio Lower Upper
106 100
91 225.7 109.9 329.6



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

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

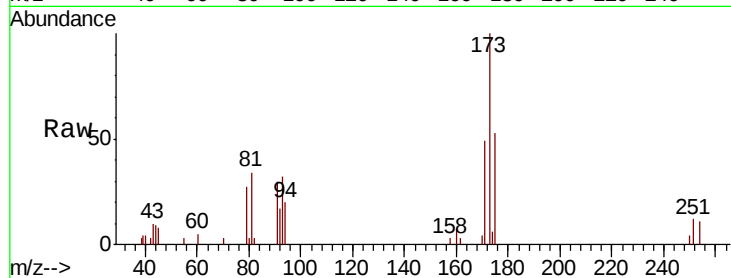




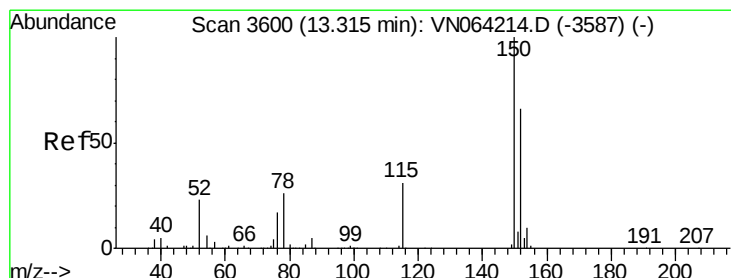
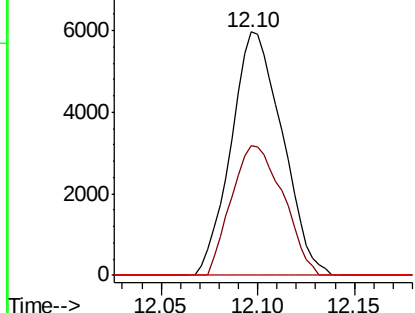
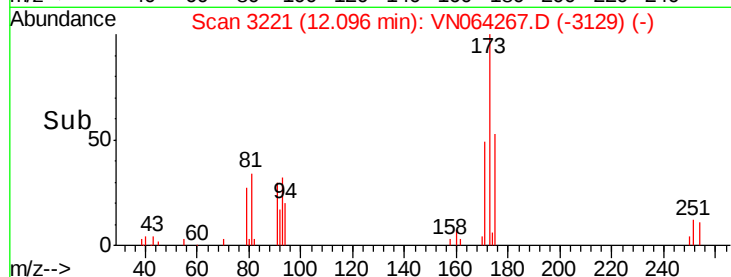
#71
Bromoform
Concen: 4.683 ug/l
RT: 12.10 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

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

Tot Ion:173 Resp: 10996
Ion Ratio Lower Upper
173 100
175 53.8 25.1 75.3
254 0.0 0.0 0.0

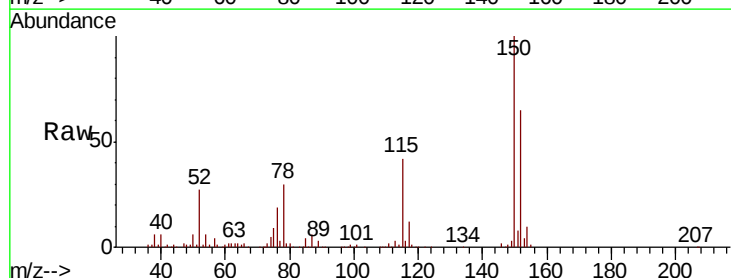


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

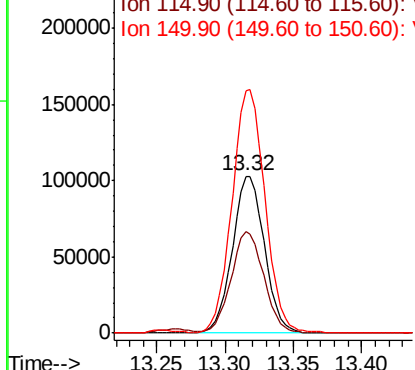
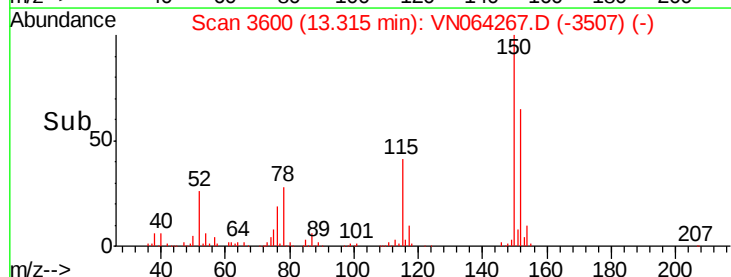


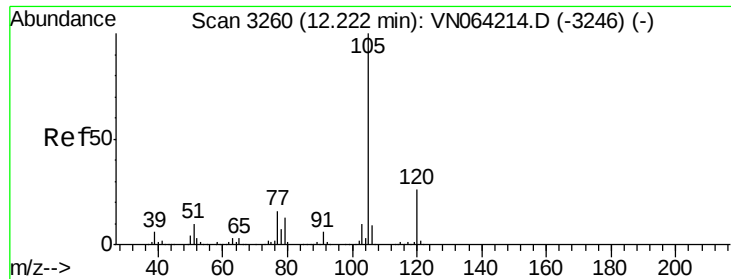
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

Tgt Ion:152 Resp: 168425
Ion Ratio Lower Upper
152 100
115 66.0 32.0 96.2
150 158.4 0.0 356.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.160 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

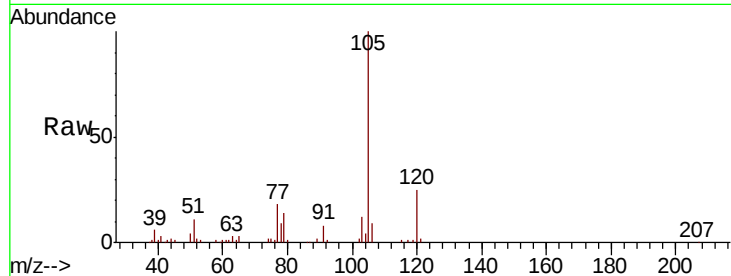
LOQ-WATER-02-QT4-2020

Tot Ion:105 Resp: 66284

Ion Ratio Lower Upper

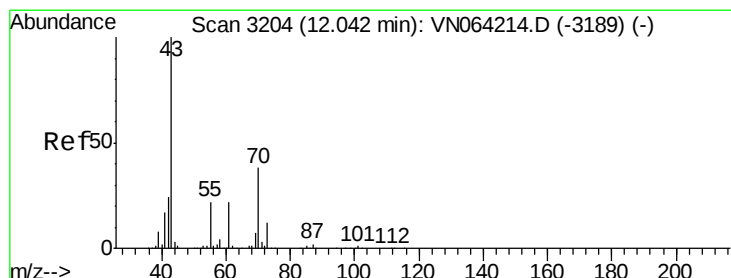
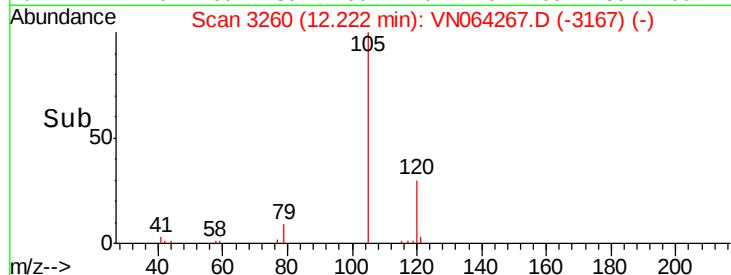
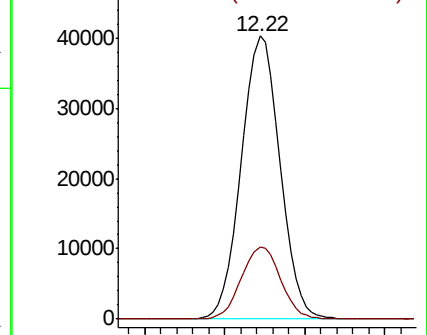
105 100

120 25.8 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.960 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Tgt Ion: 43 Resp: 27529

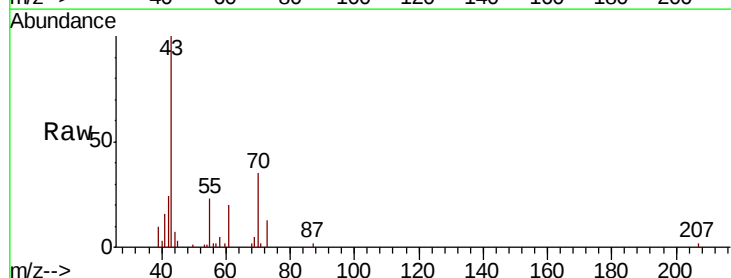
Ion Ratio Lower Upper

43 100

70 35.9 30.2 45.4

55 23.0 18.0 27.0

61 22.1 17.4 26.2

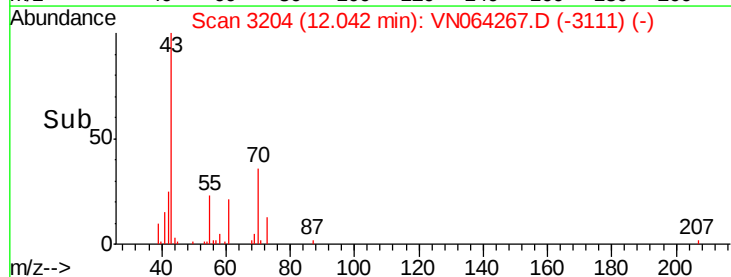
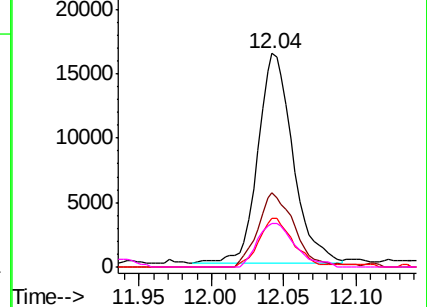


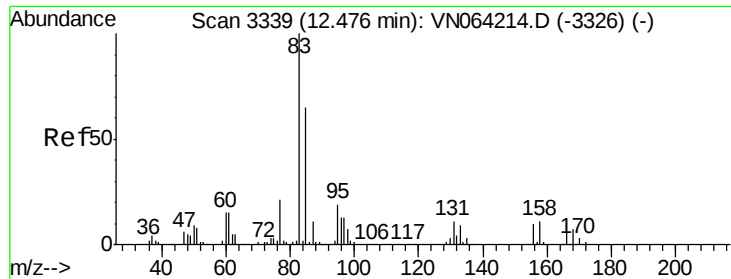
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 5.505 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

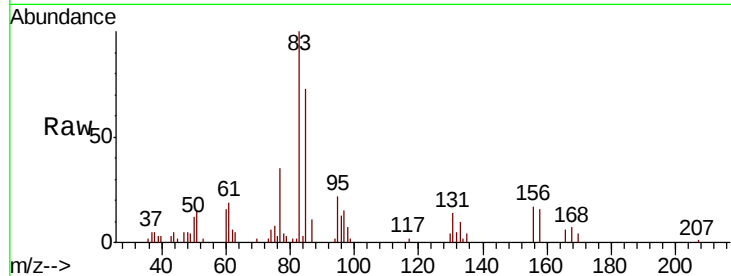
Tot Ion: 83 Resp: 18767

Ion Ratio Lower Upper

83 100

131 13.5 5.5 16.7

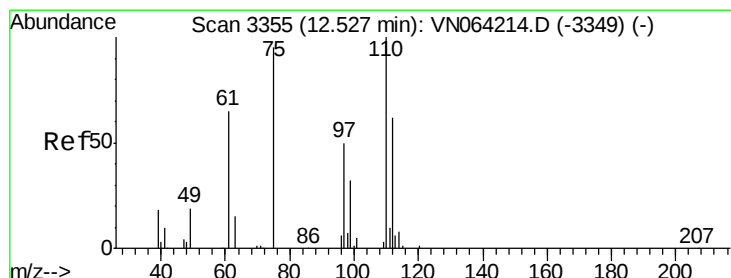
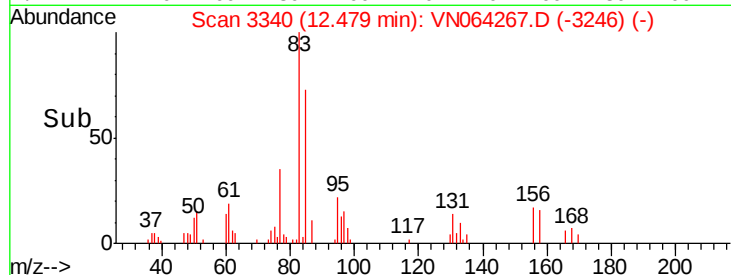
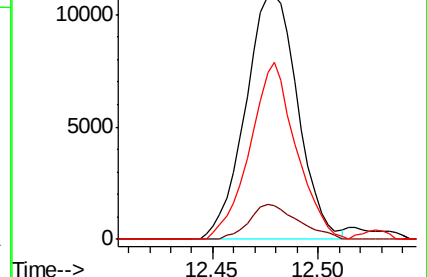
85 64.0 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN064267.D (-3340) (-)

Ion 130.80 (130.50 to 131.50): VN064267.D (-3340) (-)

Ion 84.90 (84.60 to 85.60): VN064267.D (-3340) (-)



#76

1,2,3-Trichloropropane

Concen: 7.960 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN064267.D

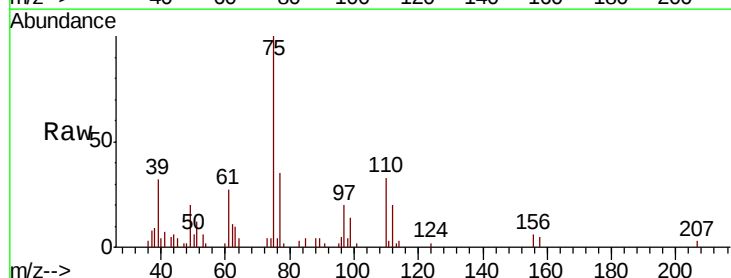
Acq: 22 Oct 2020 22:02

Tgt Ion: 75 Resp: 28262

Ion Ratio Lower Upper

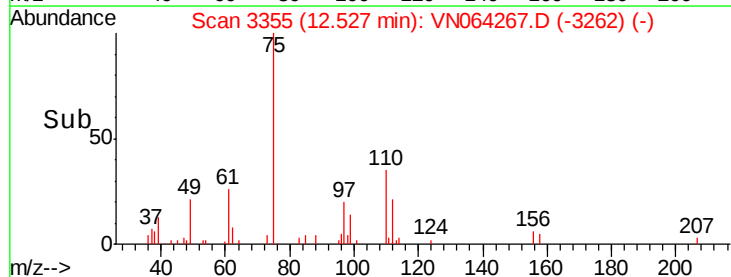
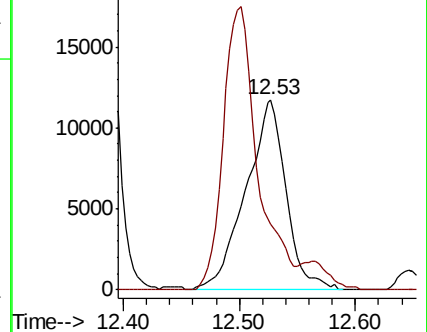
75 100

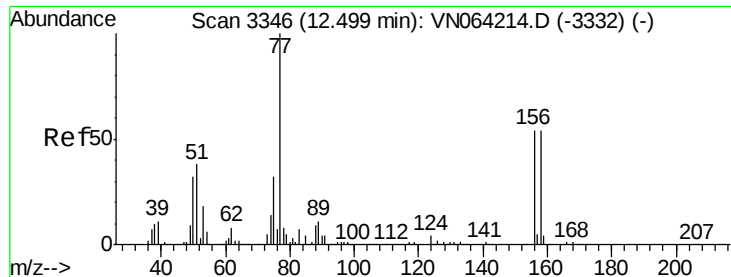
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064267.D (-3355) (-)

Ion 77.00 (76.70 to 77.70): VN064267.D (-3355) (-)





#77

Bromobenzene

Concen: 5.345 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

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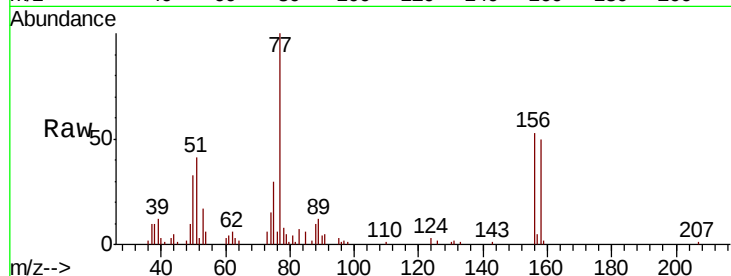
Tot Ion:156 Resp: 16208

Ion Ratio Lower Upper

156 100

77 221.9 111.1 333.4

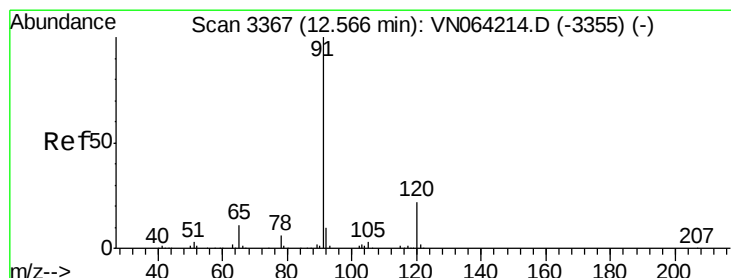
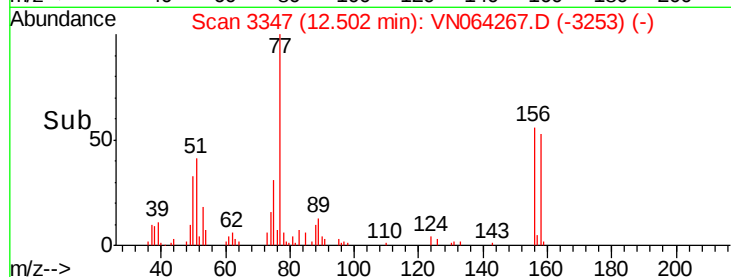
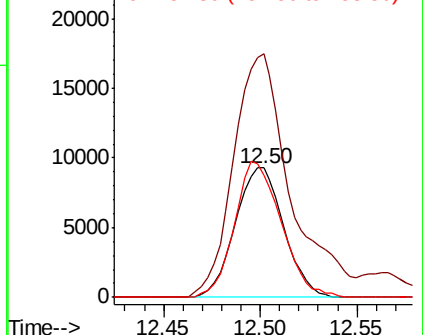
158 101.2 50.0 150.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.318 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064267.D

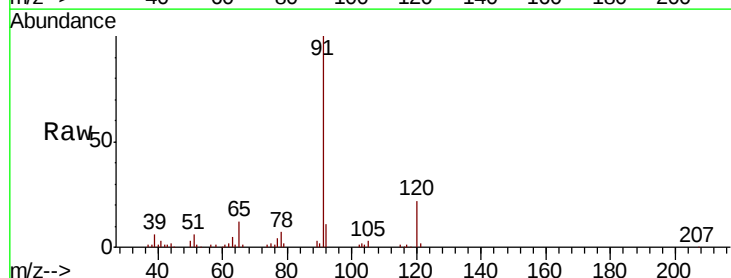
Acq: 22 Oct 2020 22:02

Tgt Ion: 91 Resp: 77016

Ion Ratio Lower Upper

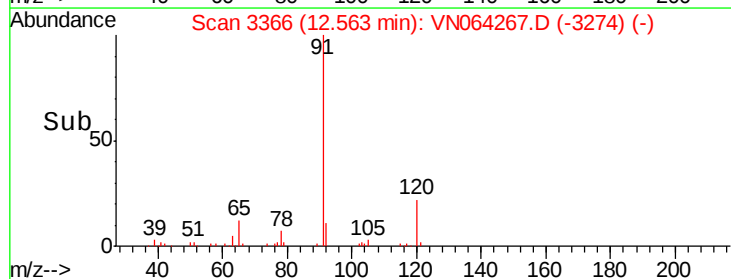
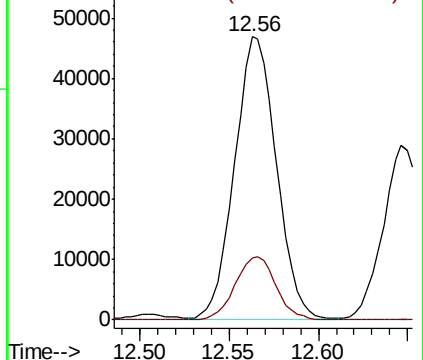
91 100

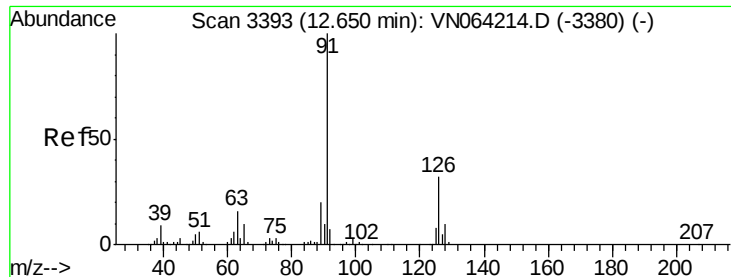
120 21.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.375 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

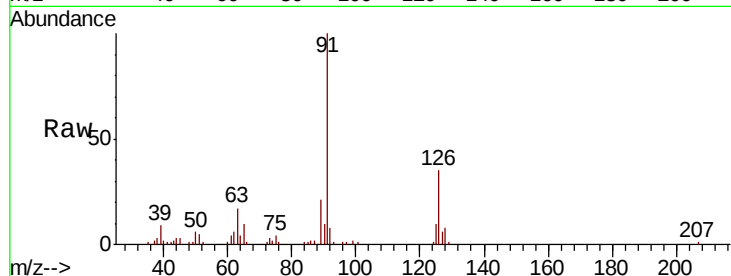
LOQ-WATER-02-QT4-2020

Tot Ion: 91 Resp: 47816

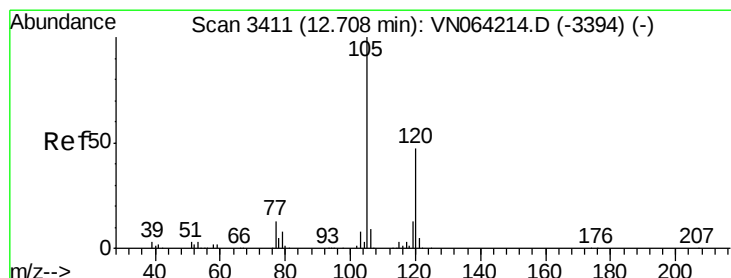
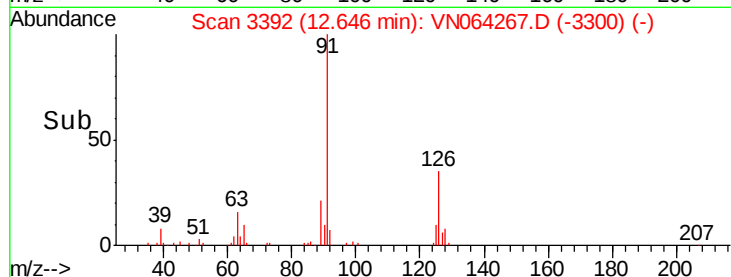
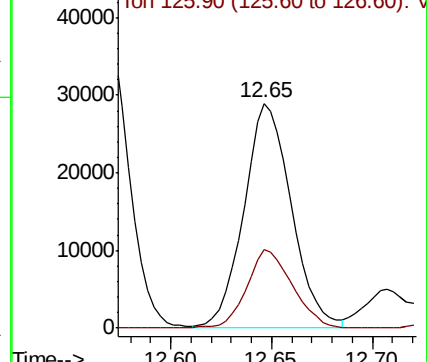
Ion Ratio Lower Upper

91 100

126 33.3 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VN064214.D (-3380) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.282 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064267.D

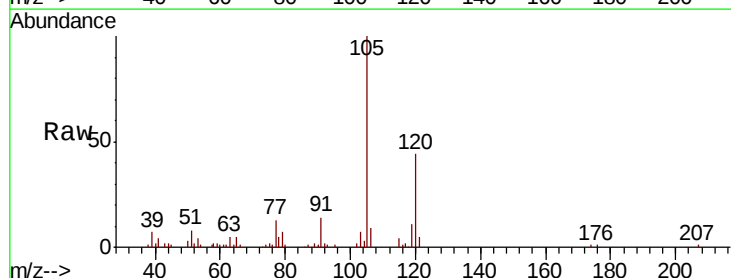
Acq: 22 Oct 2020 22:02

Tgt Ion: 105 Resp: 57361

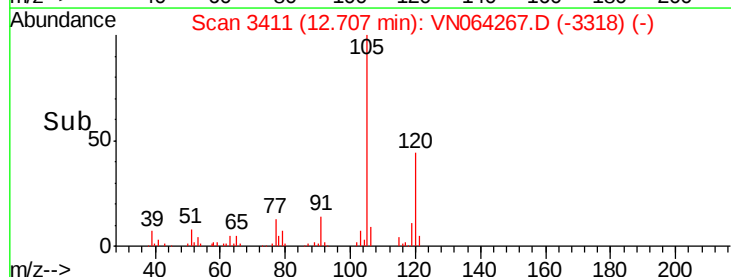
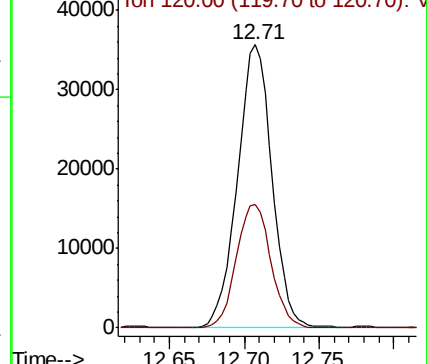
Ion Ratio Lower Upper

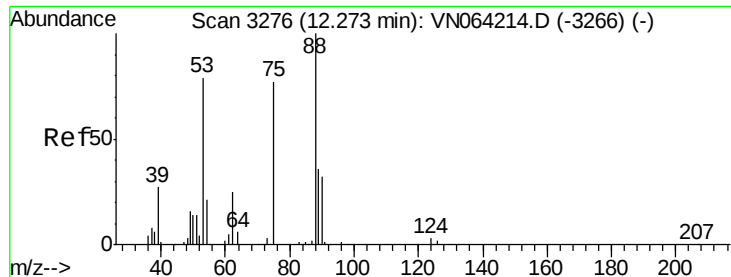
105 100

120 43.6 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN064214.D (-3394) (-)

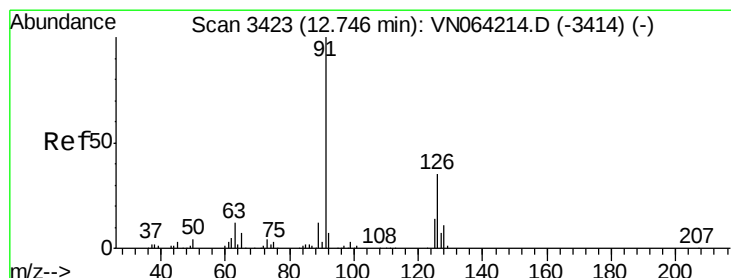
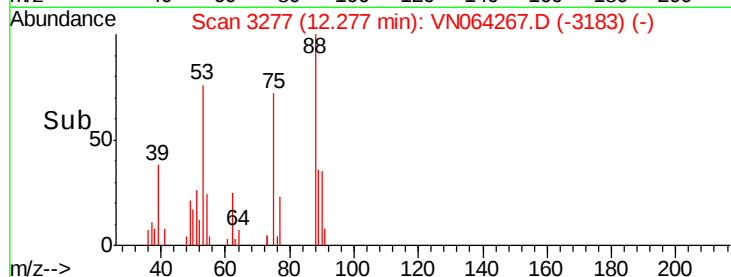
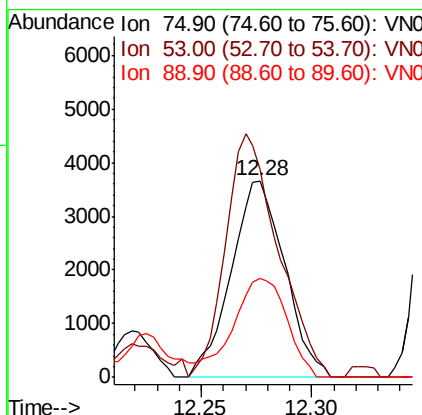
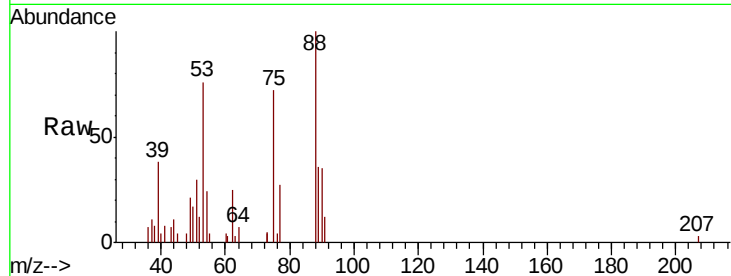




#81
trans-1,4-Dichloro-2-butene
Concen: 4.399 ug/l
RT: 12.28 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

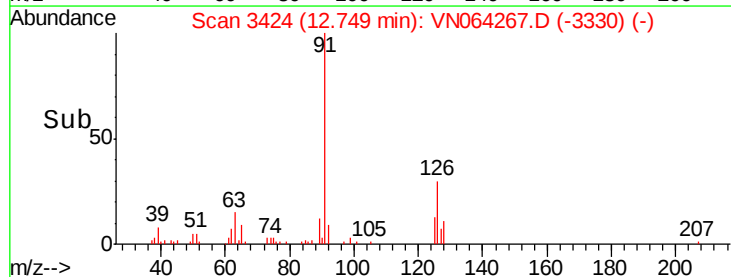
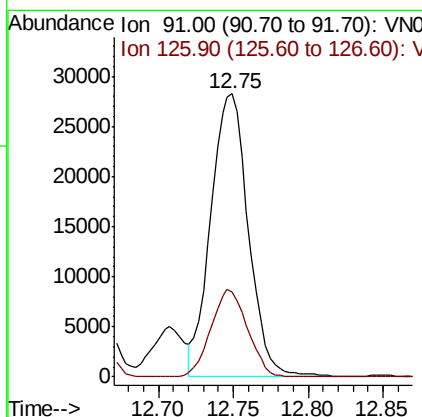
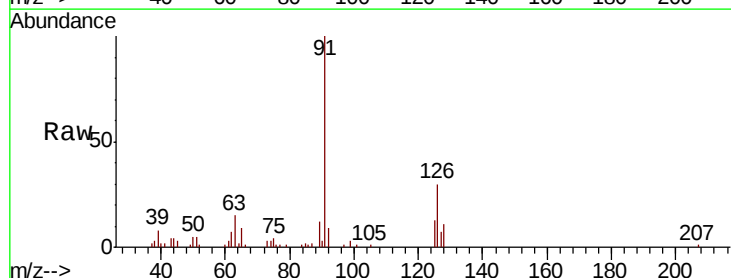
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

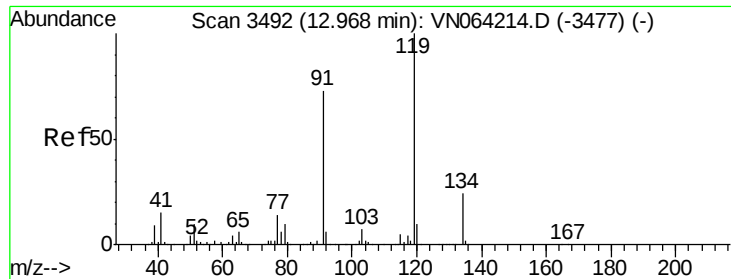
Tot Ion: 75 Resp: 6186
Ion Ratio Lower Upper
75 100
53 121.5 81.0 121.4#
89 50.5 38.7 58.1



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

Tgt Ion: 91 Resp: 49413
Ion Ratio Lower Upper
91 100
126 30.1 15.8 47.3





#83

tert-Butylbenzene

Concen: 5.108 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

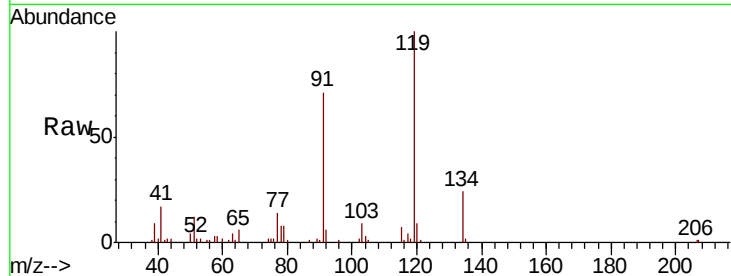
Tot Ion:119 Resp: 45478

Ion Ratio Lower Upper

119 100

91 75.6 35.1 105.3

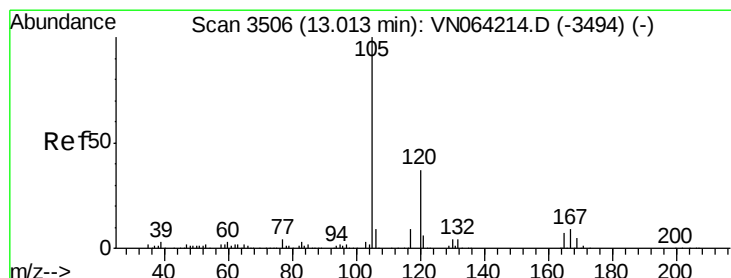
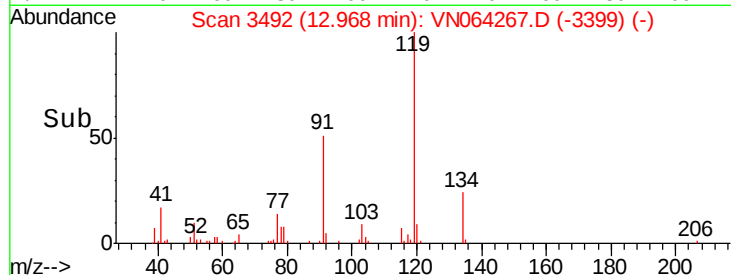
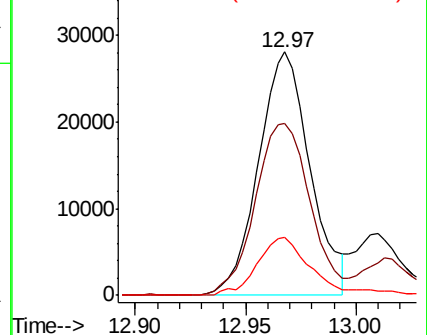
134 23.7 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 5.215 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VN064267.D

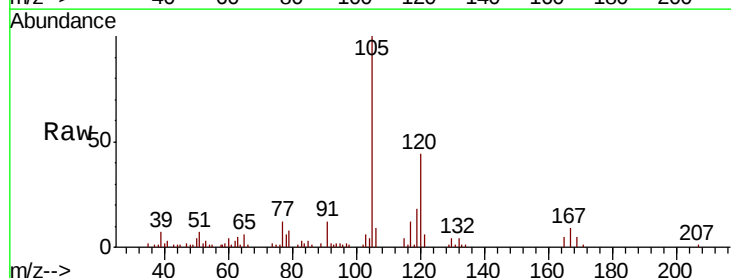
Acq: 22 Oct 2020 22:02

Tgt Ion:105 Resp: 56367

Ion Ratio Lower Upper

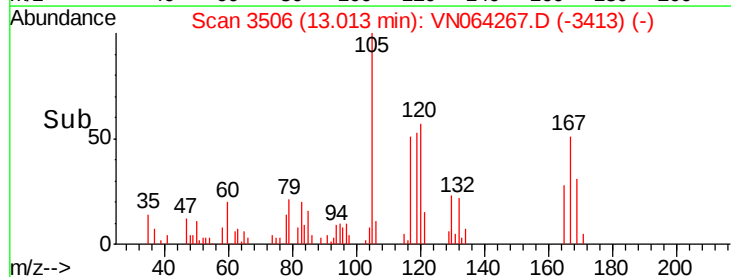
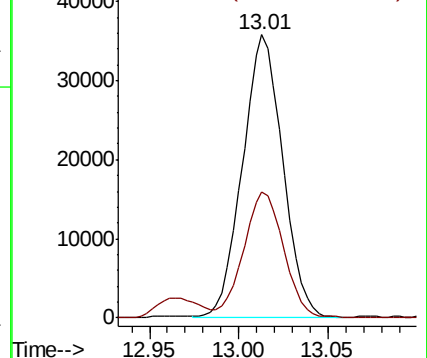
105 100

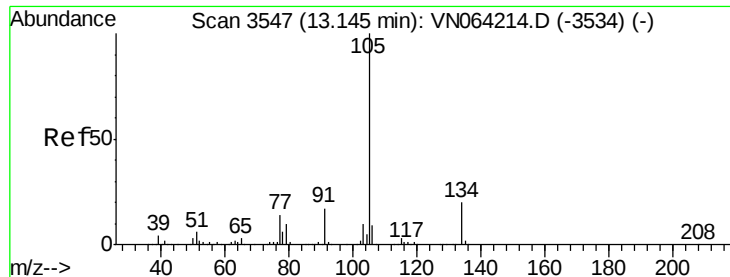
120 44.4 21.5 64.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.001 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

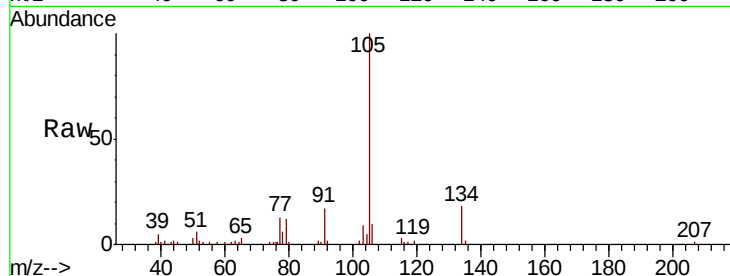
LOQ-WATER-02-QT4-2020

Tot Ion:105 Resp: 56132

Ion Ratio Lower Upper

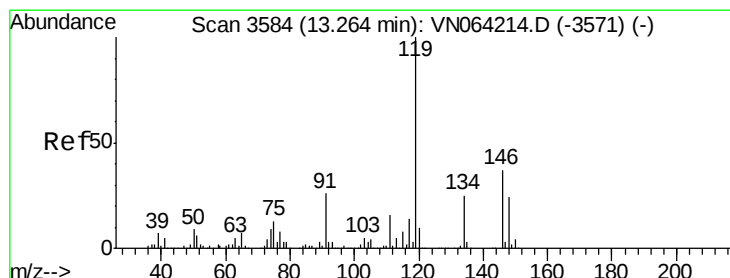
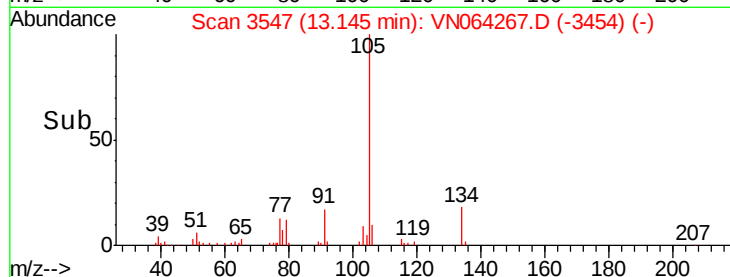
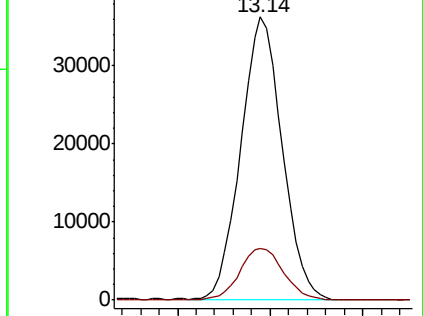
105 100

134 19.4 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.180 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

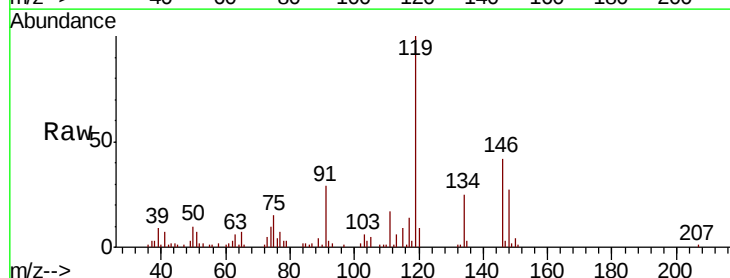
Tgt Ion:119 Resp: 52948

Ion Ratio Lower Upper

119 100

134 25.3 13.1 39.3

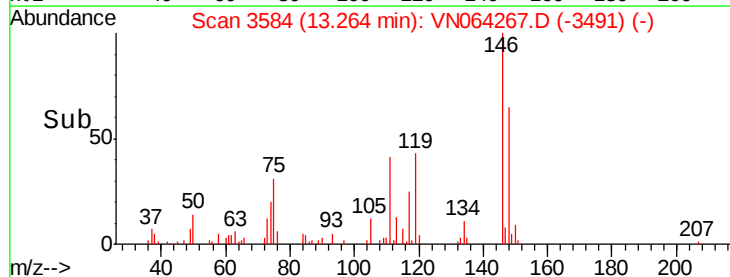
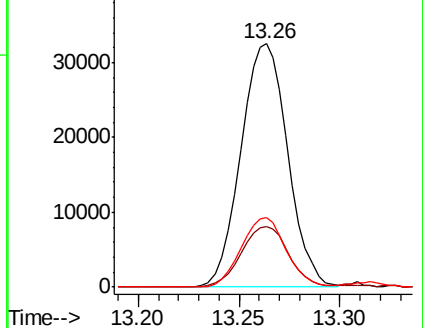
91 27.4 13.4 40.2

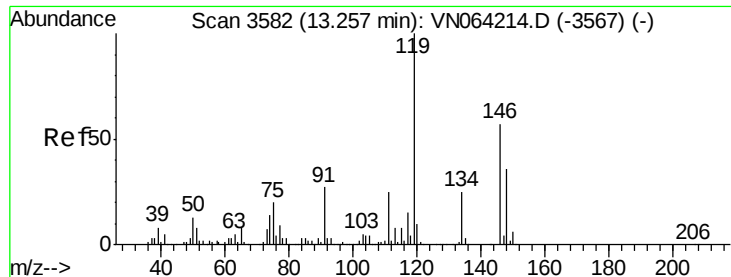


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

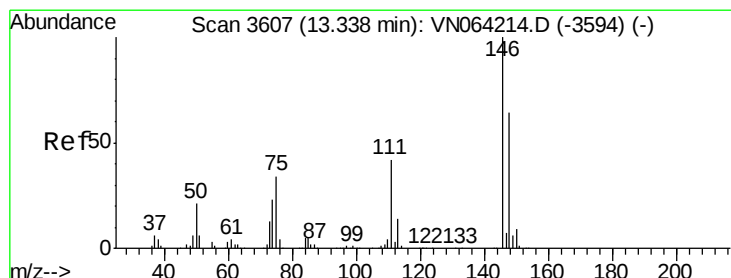
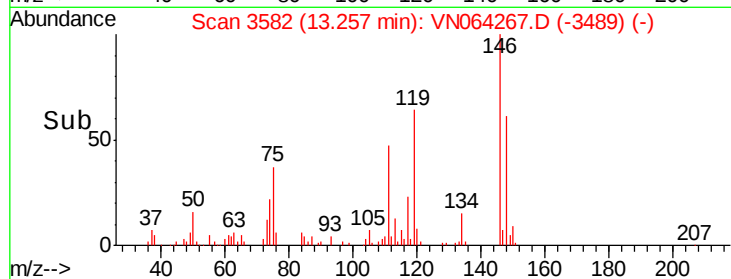
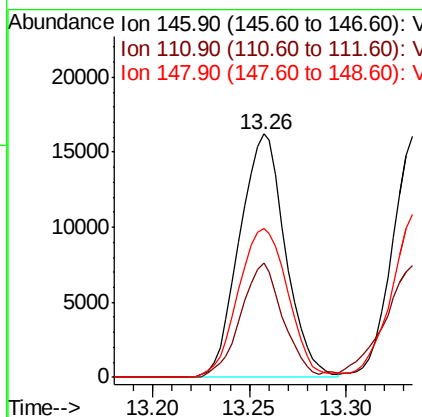
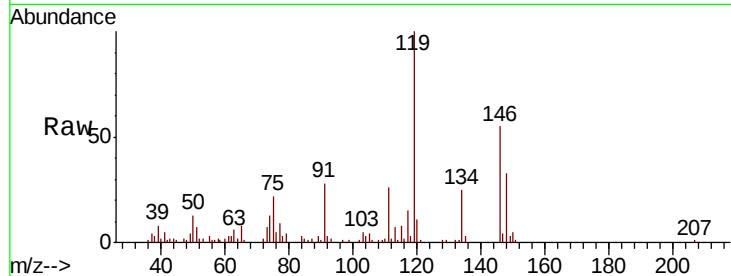




#87
 1,3-Dichlorobenzene
 Concen: 4.963 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

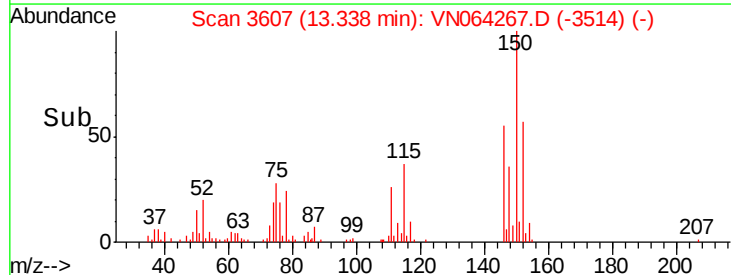
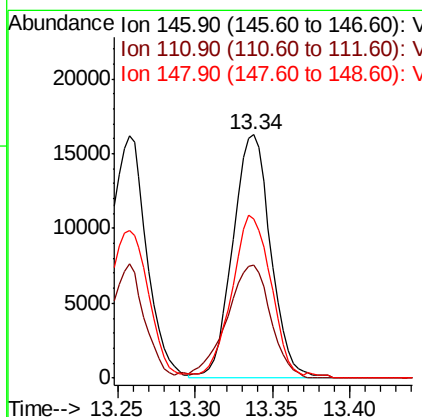
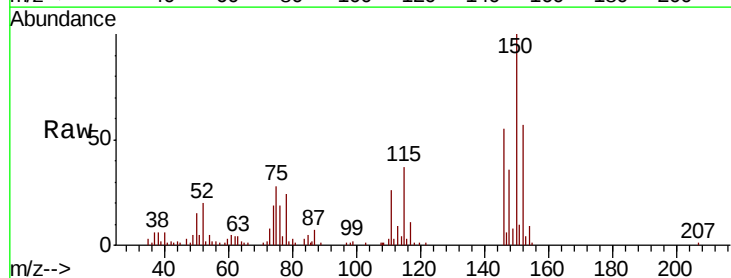
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

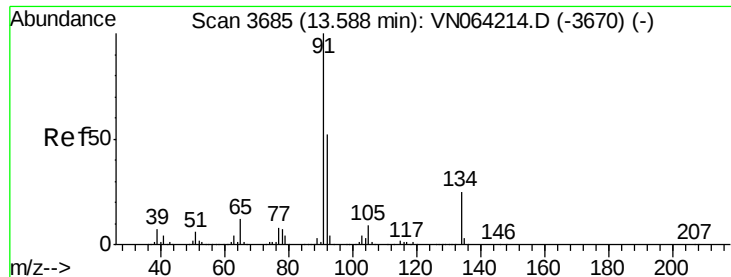
Tot Ion:146 Resp: 26778
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.6 65.0
 148 66.0 31.7 95.1



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

Tgt Ion:146 Resp: 27795
 Ion Ratio Lower Upper
 146 100
 111 53.5 21.5 64.5
 148 66.5 32.0 96.0

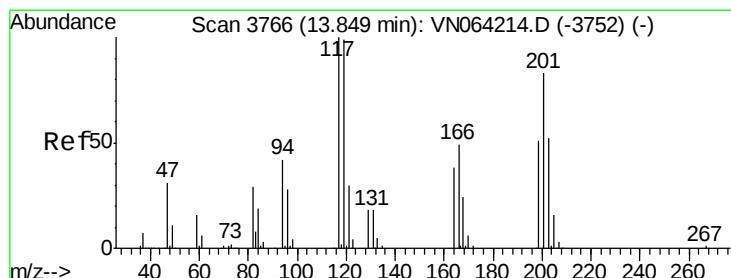
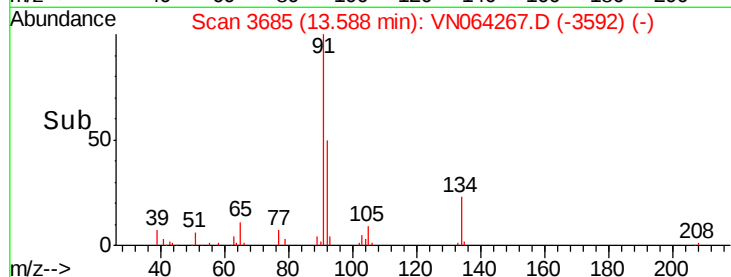
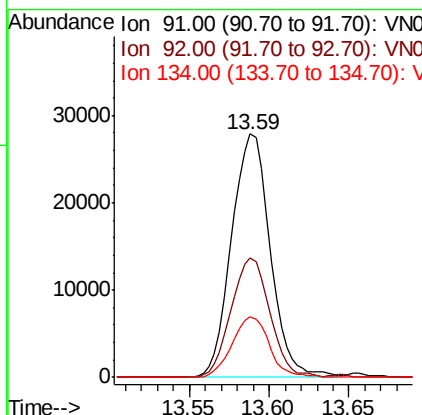
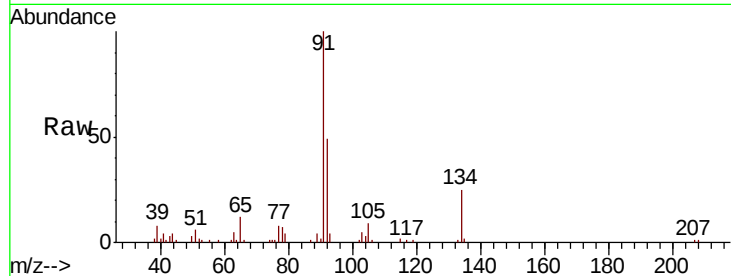




#89
n-Butylbenzene
Concen: 5.013 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064267.D
Acq: 22 Oct 2020 22:02

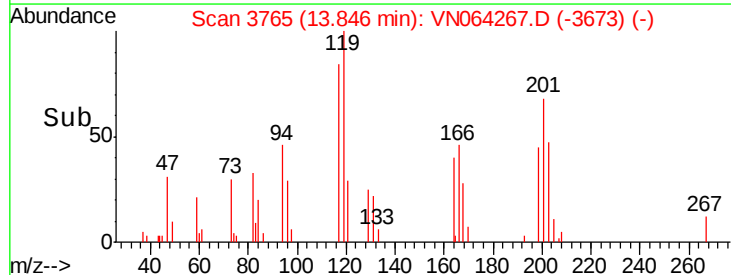
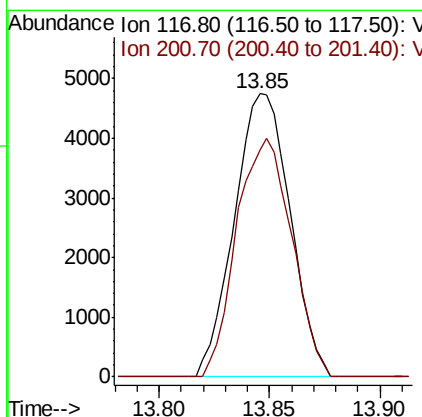
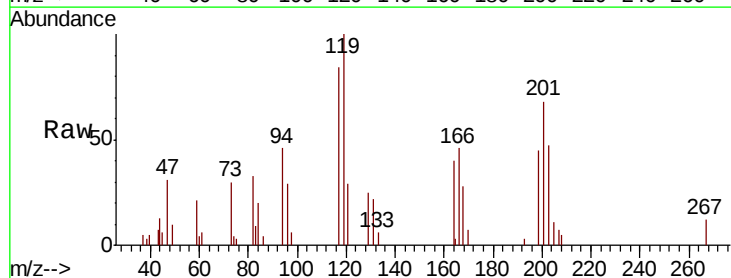
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

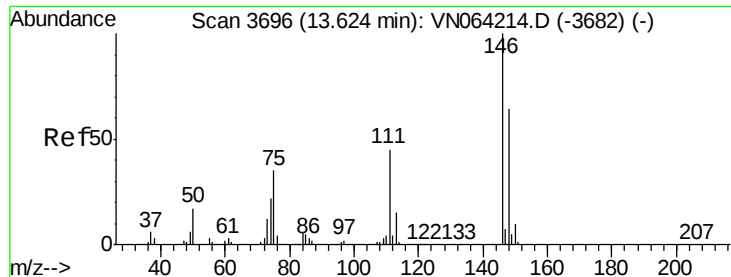
Tot Ion: 91 Resp: 45931
Ion Ratio Lower Upper
91 100
92 48.9 25.7 77.0
134 23.8 12.3 36.8



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

Tgt Ion: 117 Resp: 8326
Ion Ratio Lower Upper
117 100
201 83.2 40.1 120.3

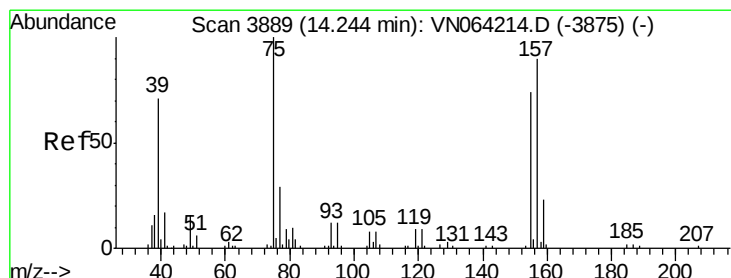
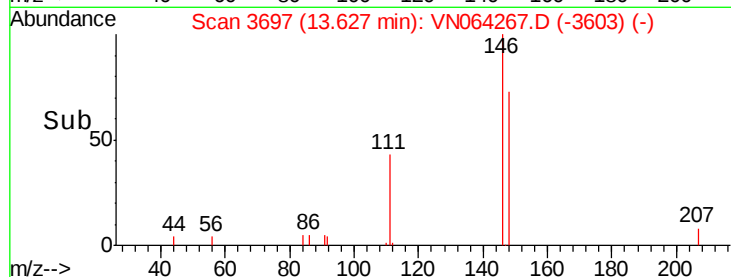
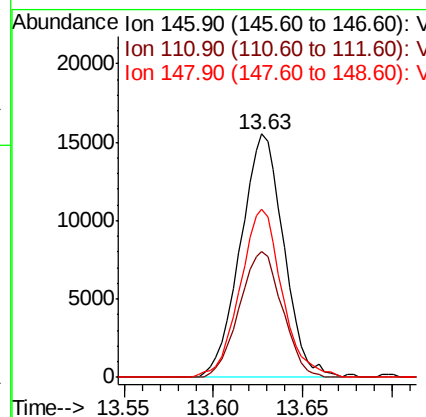
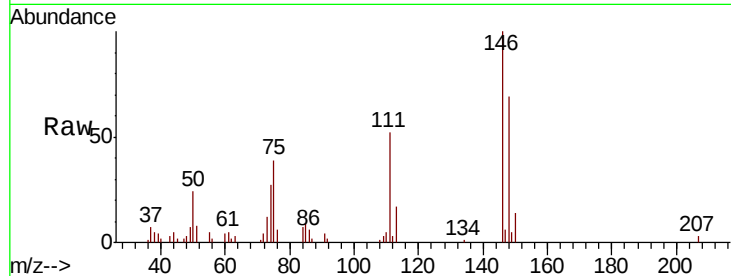




#91
 1,2-Dichlorobenzene
 Concen: 4.951 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

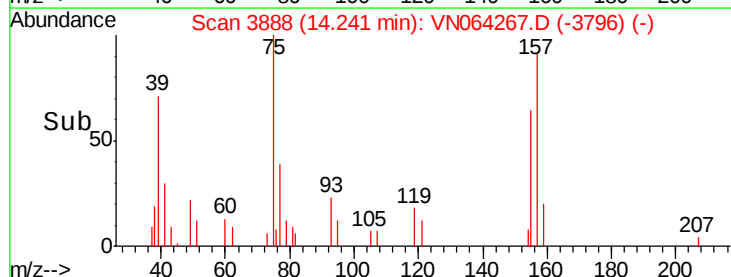
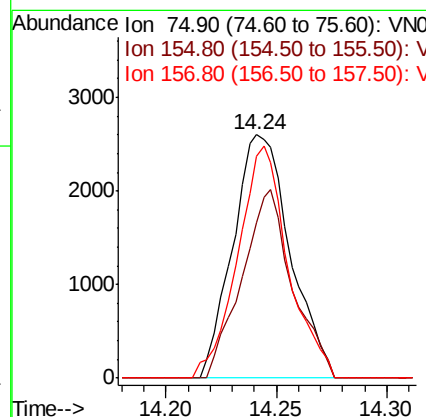
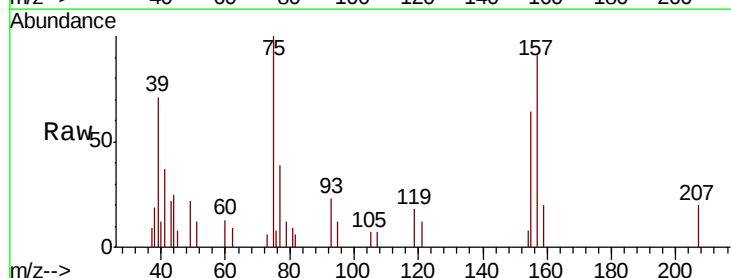
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

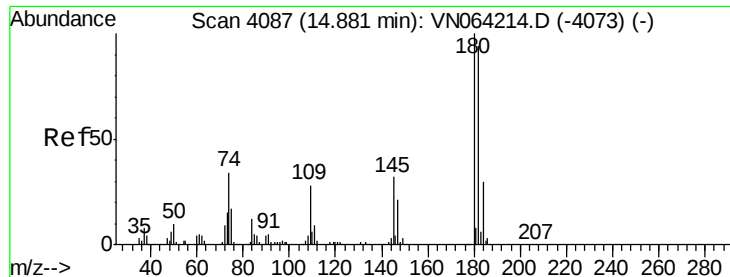
Tot Ion:146 Resp: 26211
 Ion Ratio Lower Upper
 146 100
 111 51.3 22.9 68.7
 148 67.5 31.9 95.5



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

Tgt Ion: 75 Resp: 4689
 Ion Ratio Lower Upper
 75 100
 155 68.3 36.9 110.7
 157 84.0 44.6 133.8

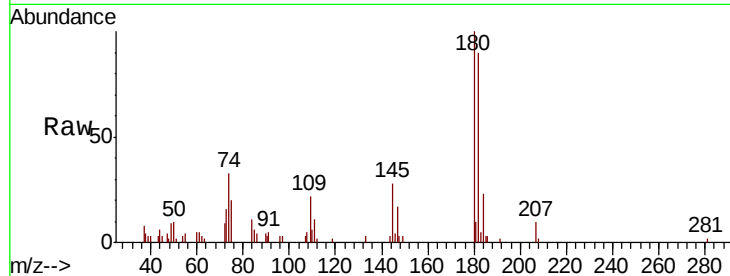




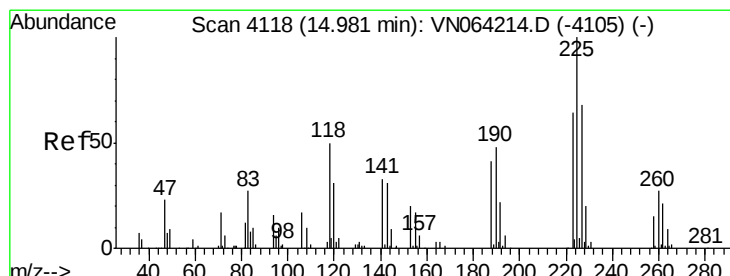
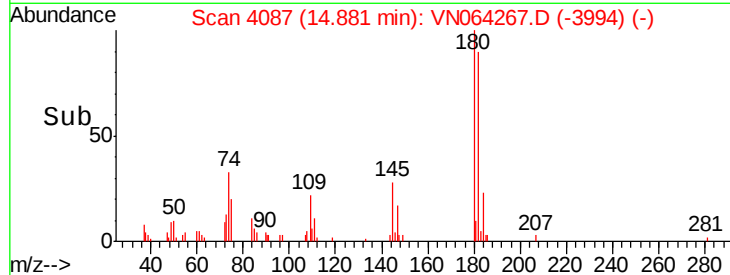
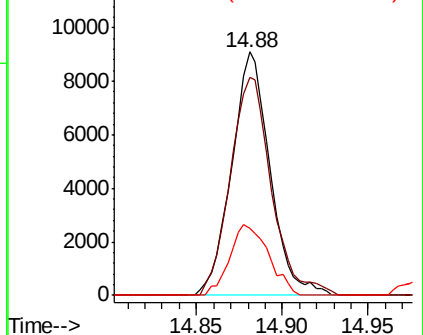
#93
 1,2,4-Trichlorobenzene
 Concen: 4.766 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

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

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

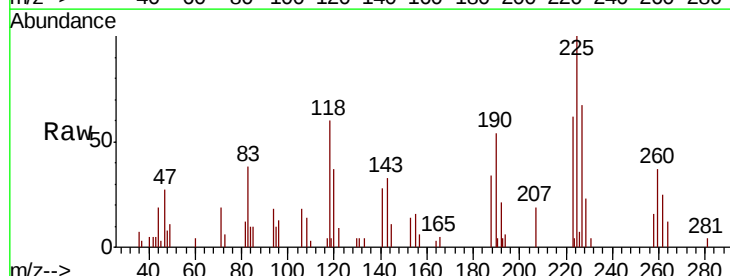


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

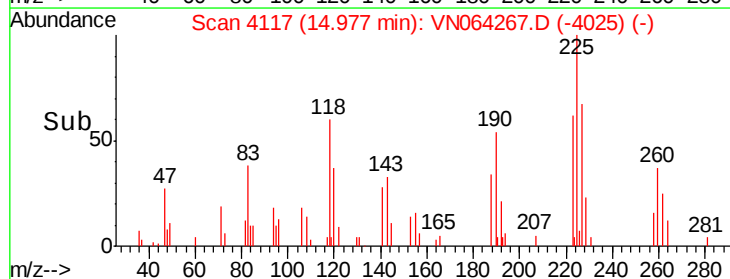
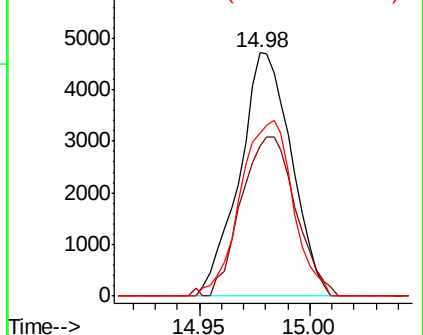


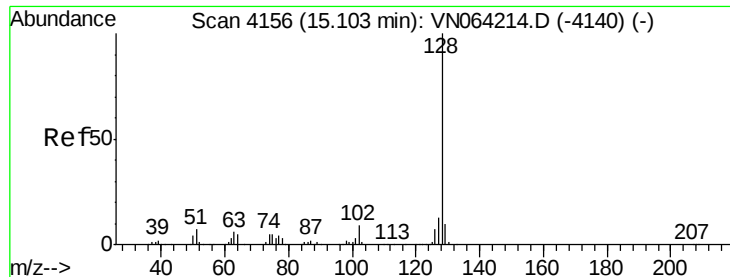
#94
 Hexachlorobutadiene
 Concen: 4.810 ug/l
 RT: 14.98 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN064267.D
 Acq: 22 Oct 2020 22:02

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



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.423 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Instrument :

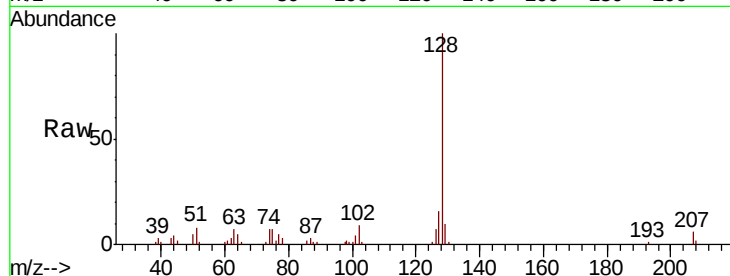
MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:128 Resp: 39327

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.5	15.7
129	11.4	8.6	12.8

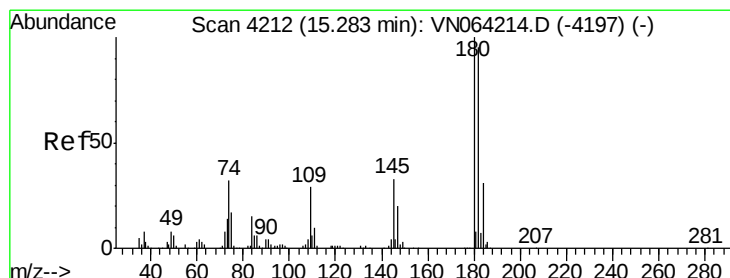
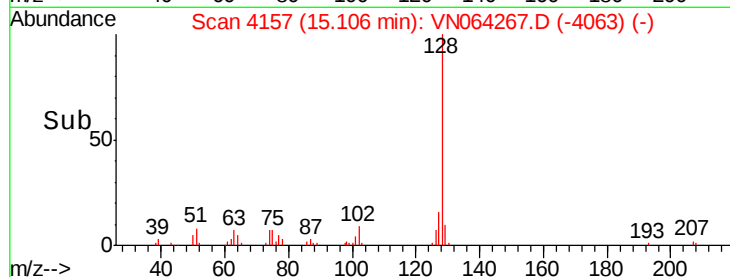
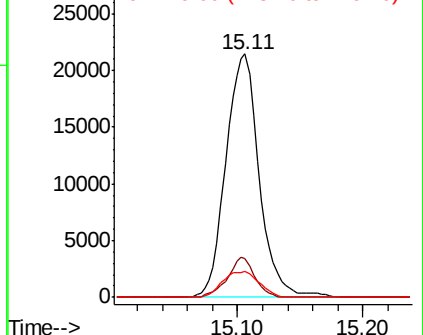


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.515 ug/l

RT: 15.28 min Scan# 4212

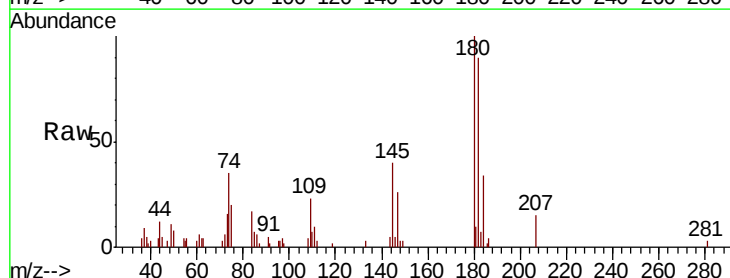
Delta R.T. -0.00 min

Lab File: VN064267.D

Acq: 22 Oct 2020 22:02

Tgt Ion:180 Resp: 13277

Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.0	144.2
145	32.9	17.1	51.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

