

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
 Data File : VN064259.D
 Acq On : 22 Oct 2020 18:54
 Operator : JC/MD
 Sample : L4214-08 5.0PPB LOQ
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Oct 23 01:05:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 22 16:07:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	44113	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	258270	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	224632	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	127296	35.25	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	117.50%#
60) 4-Bromofluorobenzene	12.38	95	120838	30.02	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.07%
63) Toluene-d8	10.06	98	311995	30.68	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	12125	4.006 ug/l	84
3) Chloromethane	2.04	50	14192	4.576 ug/l	98
4) Vinyl Chloride	2.16	62	14000	4.588 ug/l	92
5) Bromomethane	2.54	94	9980	5.467 ug/l	89
6) Chloroethane	2.68	64	8721	4.907 ug/l	94
7) Trichlorofluoromethane	2.98	101	25532	5.212 ug/l	88
8) Diethyl Ether	3.38	74	7695	4.627 ug/l	80
9) 1,1,2-Trichlorotrifluoroet	3.72	101	13978	5.407 ug/l	81
10) 1,1-Dichloroethene	3.70	96	12392	4.923 ug/l	92
11) Methyl Iodide	3.91	142	14677	4.045 ug/l #	85
12) Methyl Acetate	4.28	43	14821	5.586 ug/l #	86
13) Acrolein	3.57	56	5835	20.115 ug/l #	1
14) Acrylonitrile	4.94	53	24187	22.623 ug/l #	66
15) Acetone	3.78	58	8081	27.995 ug/l	96
16) Carbon Disulfide	4.01	76	33561	4.662 ug/l	98
18) Methylene Chloride	4.48	84	1978	0.687 ug/l	89
19) trans-1,2-Dichloroethene	4.99	96	13135	4.837 ug/l	91
20) Diisopropyl ether	5.90	45	46852	5.417 ug/l	99
21) 1,1-Dichloroethane	5.80	63	27061	5.125 ug/l	96
22) cis-1,2-Dichloroethene	6.78	96	16663	5.250 ug/l #	58
23) tert-Butyl Alcohol	4.72	59	6302	12.745 ug/l #	100
24) Methyl tert-Butyl Ether	4.99	73	43573	5.239 ug/l #	74
26) Cyclohexane	7.61	56	20282	4.844 ug/l #	86
29) 1,1-Dichloropropene	7.75	75	20304	4.734 ug/l	98
30) 2-Butanone	6.79	43	45608	25.786 ug/l #	80
31) 2,2-Dichloropropane	6.77	77	25664	4.713 ug/l #	76
32) 1,1,1-Trichloroethane	7.52	97	28169	5.154 ug/l	97
33) Carbon Tetrachloride	7.73	117	23906	4.798 ug/l	95
34) Benzene	8.00	78	59267	4.962 ug/l #	68
35) Methacrylonitrile	7.13	41	10389	5.355 ug/l	89
36) 1,2-Dichloroethane	8.09	62	27206	5.632 ug/l #	80
37) Trichloroethene	8.80	130	16589	5.045 ug/l	94
38) Methylcyclohexane	9.05	83	19630	4.785 ug/l	98
39) 1,2-Dichloropropane	9.08	63	16125	5.059 ug/l	95
40) Dibromomethane	9.17	93	11005	4.962 ug/l	97
41) Bromodichloromethane	9.37	83	23495	4.895 ug/l	97
42) Vinyl Acetate	5.85	43	210473	25.065 ug/l	99

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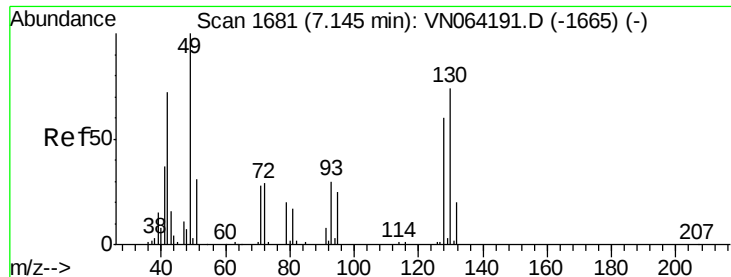
Instrument :
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 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Quant Time: Oct 23 01:05:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) Ethyl Acetate	6.88	43	17416	4.508	ug/l #	86
44) Isopropyl Acetate	8.12	43	37302	5.030	ug/l	92
45) 1,4-Dioxane	9.16	88	4686	108.035	ug/l	93
46) Methyl methacrylate	9.17	41	17403	4.946	ug/l	97
47) n-amyl Acetate	12.05	43	29588	4.497	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	26123	4.826	ug/l	93
49) cis-1,3-Dichloropropene	9.81	75	25629	4.582	ug/l	95
50) 1,1,2-Trichloroethane	10.53	97	14474	4.872	ug/l	96
51) Ethyl methacrylate	10.40	69	21289	4.531	ug/l	93
52) 1,3-Dichloropropane	10.68	76	26288	5.132	ug/l	97
53) Dibromochloromethane	10.87	129	17180	4.594	ug/l	99
54) 1,2-Dibromoethane	10.97	107	15058	4.768	ug/l	96
55) 2-Chloroethyl vinyl ether	9.66	63	56034	24.267	ug/l	98
56) Bromoform	12.10	173	11284	4.333	ug/l	94
58) 4-Methyl-2-Pentanone	9.95	43	97416	25.592	ug/l	99
59) 2-Hexanone	10.72	43	70732	25.030	ug/l	99
61) Tetrachloroethene	10.60	164	16082	5.311	ug/l	97
62) Toluene	10.13	91	64600	5.030	ug/l	97
64) Chlorobenzene	11.41	112	39937	4.994	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.48	131	16156	5.156	ug/l	95
66) Ethyl Benzene	11.48	91	71460	4.840	ug/l	98
67) m/p-Xylenes	11.59	106	53081	9.667	ug/l	99
68) o-Xylene	11.92	106	26131	4.904	ug/l	98
69) Styrene	11.94	104	40627	4.507	ug/l	95
70) Isopropylbenzene	12.23	105	69229	4.919	ug/l	96
71) 1,1,2,2-Tetrachloroethane	12.48	83	19329	5.012	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	28225	7.014	ug/l	56
73) Bromobenzene	12.50	156	16911	4.983	ug/l	91
74) n-propylbenzene	12.57	91	75198	4.682	ug/l	99
75) 2-Chlorotoluene	12.65	91	51706	5.200	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	56392	4.709	ug/l	96
77) t-1,4-Dichloro-2-butene	12.28	75	7414	4.712	ug/l	92
78) 4-Chlorotoluene	12.75	91	48211	4.636	ug/l	100
79) tert-butylbenzene	12.97	119	47449	4.847	ug/l	96
80) 1,2,4-Trimethylbenzene	13.01	105	55703	4.582	ug/l	100
81) sec-Butylbenzene	13.14	105	58950	4.628	ug/l	97
82) p-Isopropyltoluene	13.26	119	54775	4.646	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	27458	4.514	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	27725	4.553	ug/l	98
85) n-Butylbenzene	13.59	91	44766	4.278	ug/l	97
86) Hexachloroethane	13.85	117	9058	4.463	ug/l	92
87) 1,2-Dichlorobenzene	13.63	146	26316	4.436	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	4950	5.068	ug/l #	84
89) 1,2,4-Trichlorobenzene	14.88	180	13975	3.923	ug/l	99
90) Hexachlorobutadiene	14.98	225	8086	4.478	ug/l	94
91) Naphthalene	15.10	128	38986	3.610	ug/l	97
92) 1,2,3-Trichlorobenzene	15.28	180	12907	3.789	ug/l	95

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

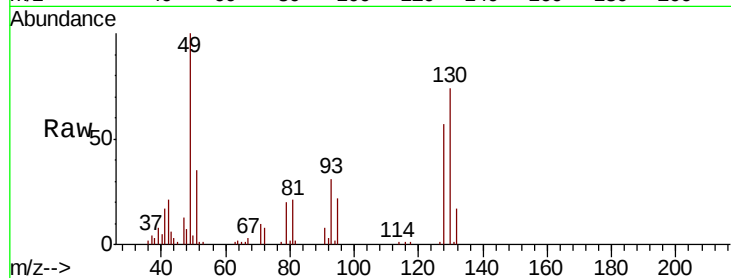
Tot Ion:128 Resp: 44113

Ion Ratio Lower Upper

128 100

49 182.6 0.0 433.3

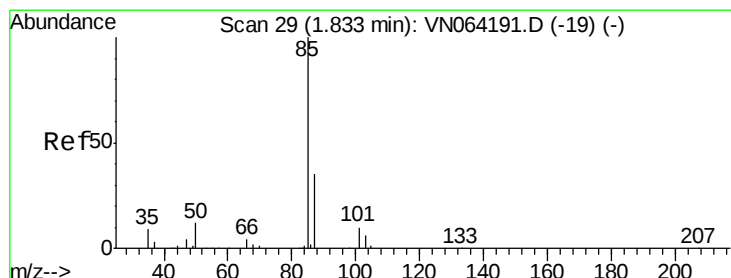
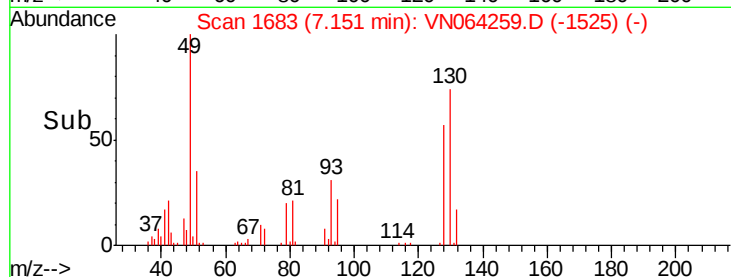
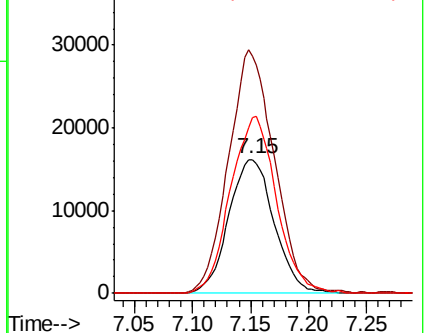
130 133.3 0.0 322.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 4.006 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064259.D

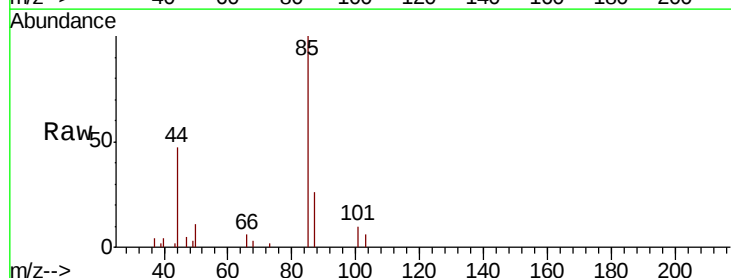
Acq: 22 Oct 2020 18:54

Tgt Ion: 85 Resp: 12125

Ion Ratio Lower Upper

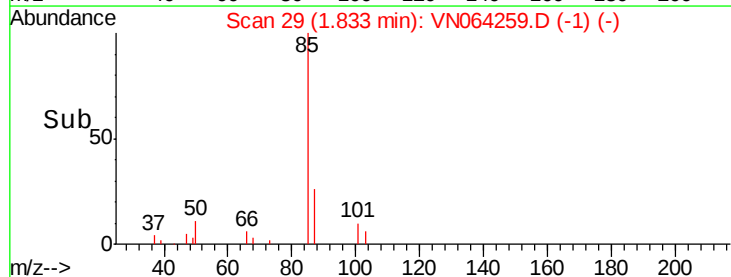
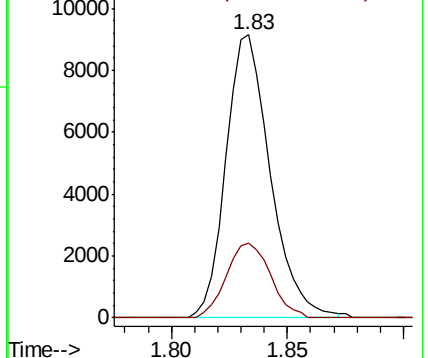
85 100

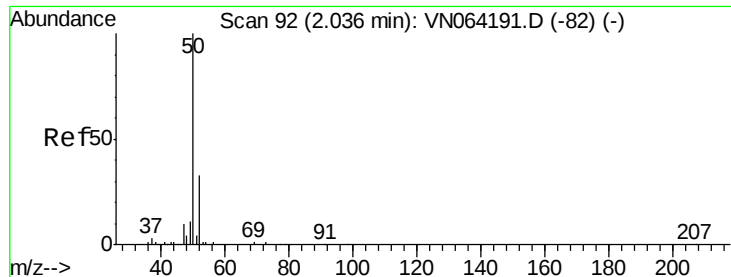
87 26.3 17.8 53.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 4.576 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

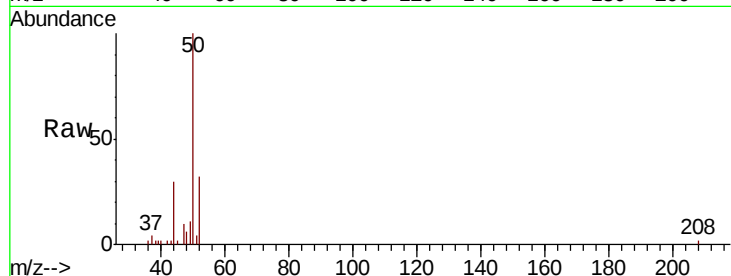
LOQ-WATER-02-QT4-2020

Tot Ion: 50 Resp: 14192

Ion Ratio Lower Upper

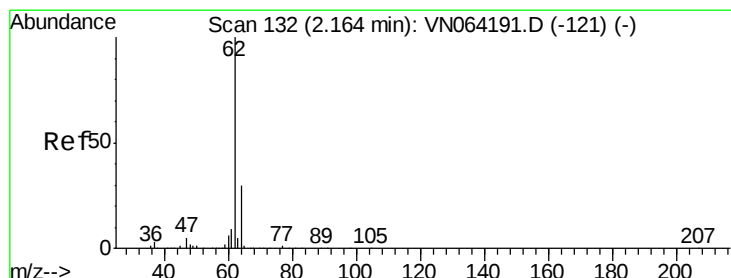
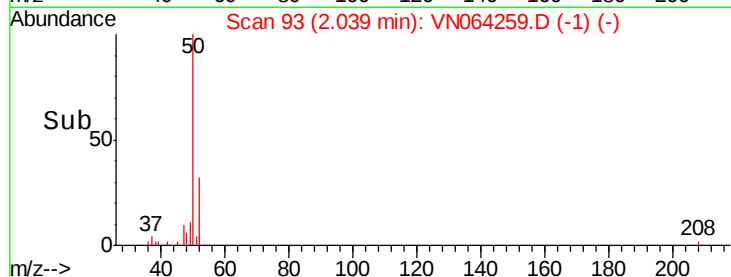
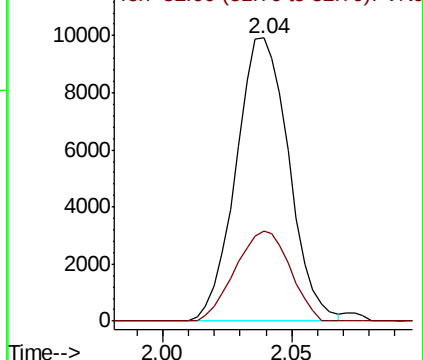
50 100

52 32.0 26.6 40.0



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 4.588 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064259.D

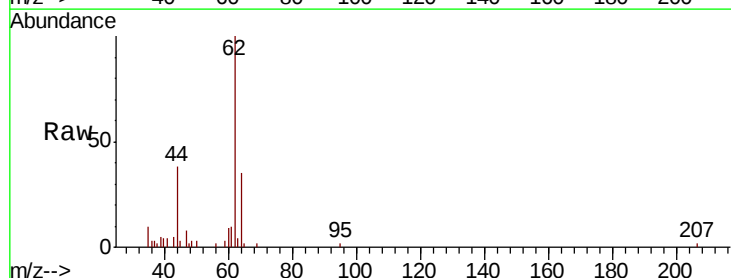
Acq: 22 Oct 2020 18:54

Tgt Ion: 62 Resp: 14000

Ion Ratio Lower Upper

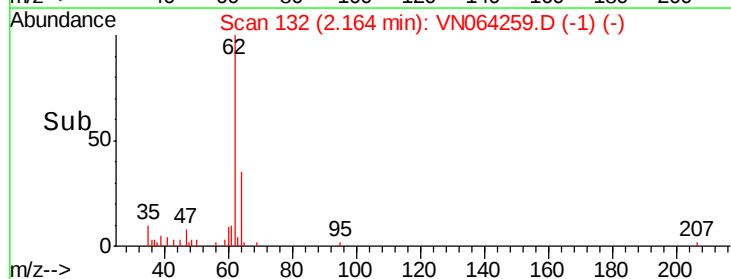
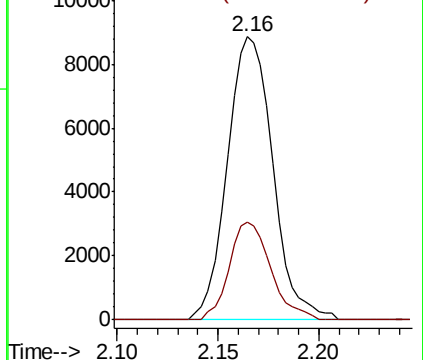
62 100

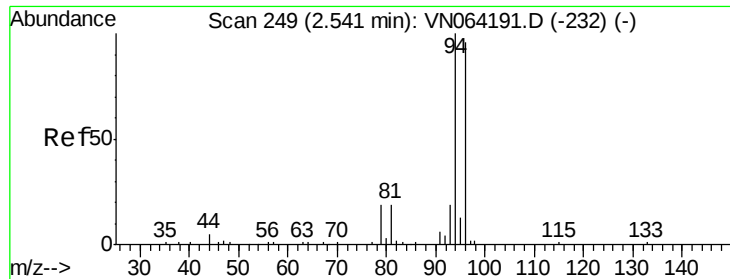
64 34.8 24.4 36.6



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 5.467 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

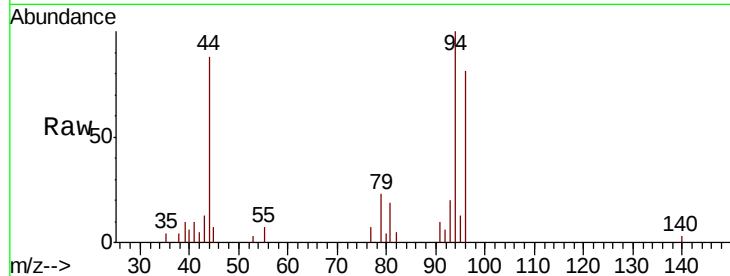
LOQ-WATER-02-QT4-2020

Tot Ion: 94 Resp: 9980

Ion Ratio Lower Upper

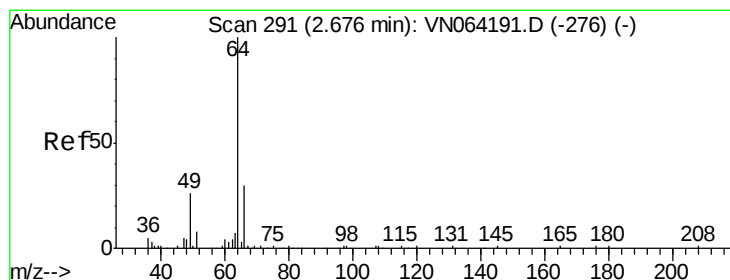
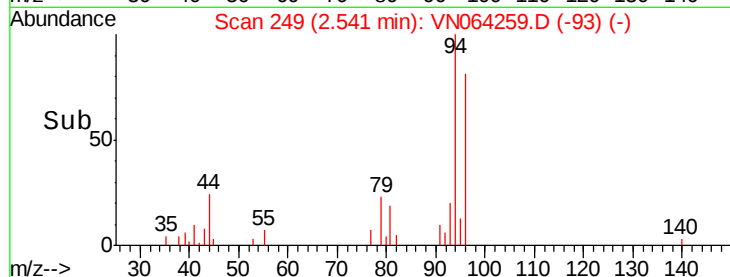
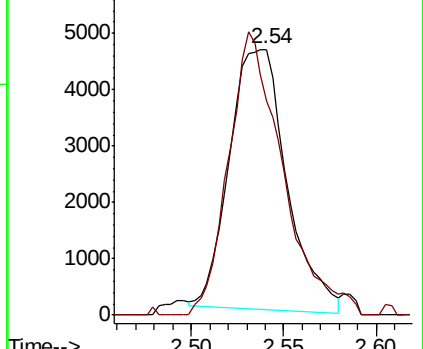
94 100

96 84.9 76.6 115.0



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 4.907 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064259.D

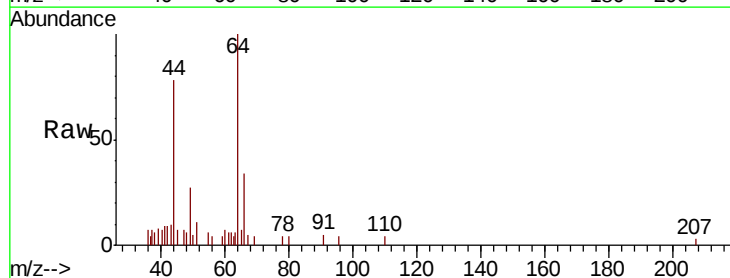
Acq: 22 Oct 2020 18:54

Tgt Ion: 64 Resp: 8721

Ion Ratio Lower Upper

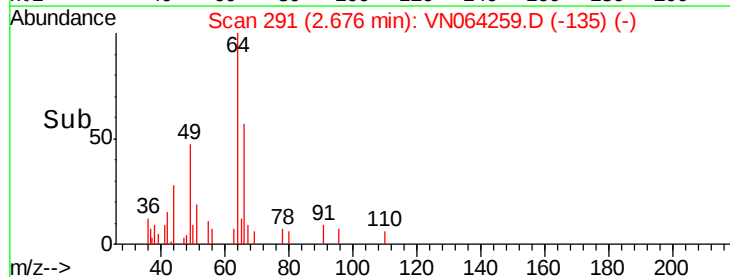
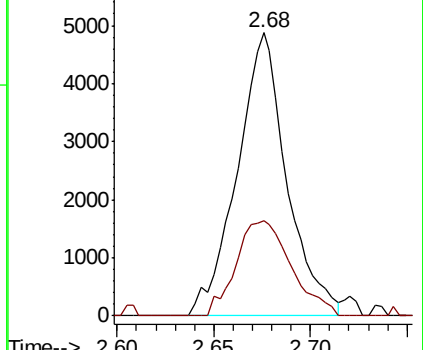
64 100

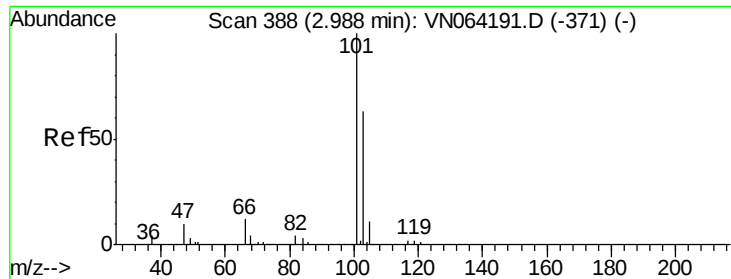
66 33.5 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



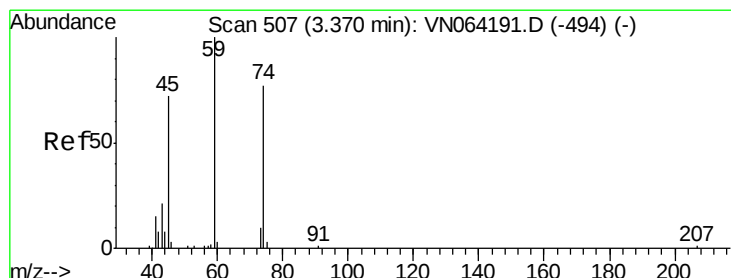
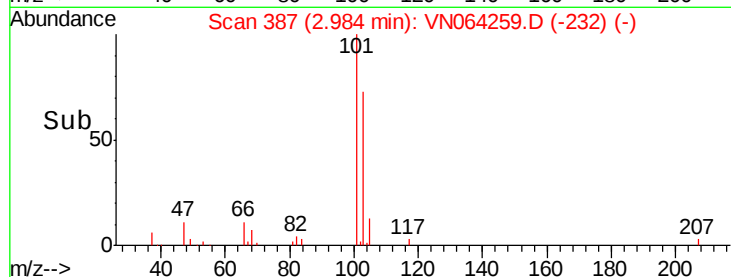
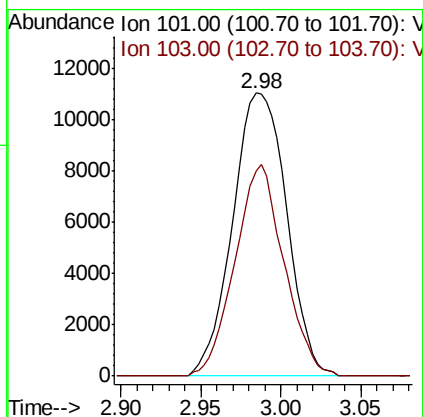
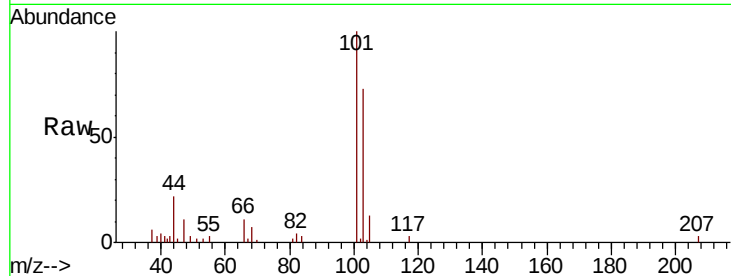


#7

Trichlorofluoromethane
 Concen: 5.212 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN064259.D
 Acq: 22 Oct 2020 18:54

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 LOQ-WATER-02-QT4-2020

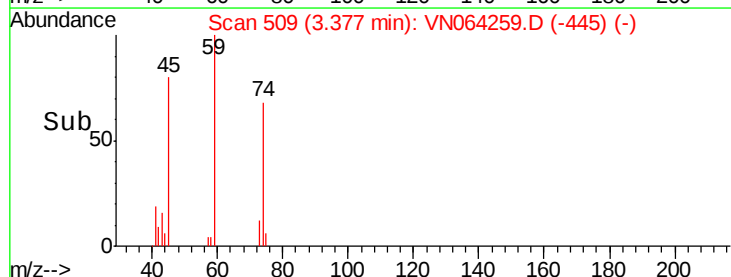
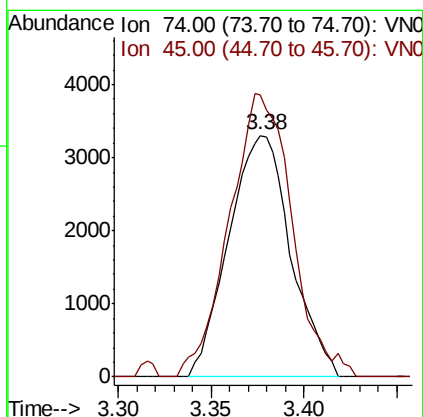
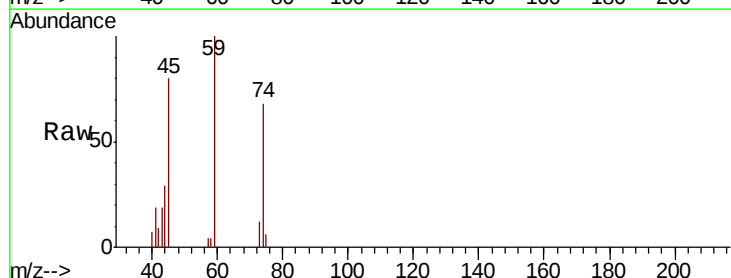
Tot Ion:101 Resp: 25532
 Ion Ratio Lower Upper
 101 100
 103 72.7 50.7 76.1

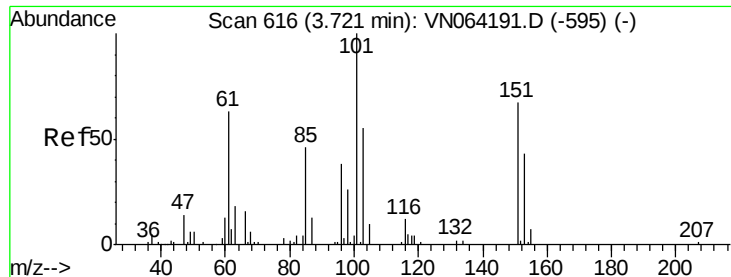


#8

Diethyl Ether
 Concen: 4.627 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.01 min
 Lab File: VN064259.D
 Acq: 22 Oct 2020 18:54

Tgt Ion: 74 Resp: 7695
 Ion Ratio Lower Upper
 74 100
 45 116.8 19.5 175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.407 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

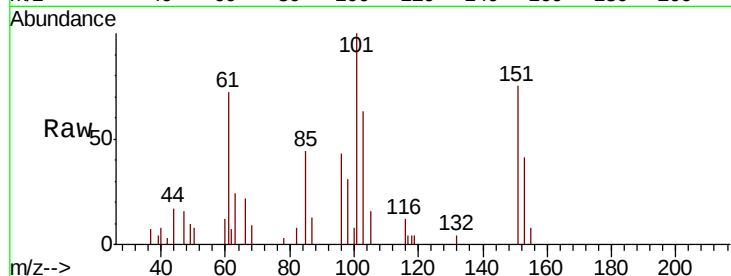
Tot Ion:101 Resp: 13978

Ion Ratio Lower Upper

101 100

85 46.7 0.0 94.0

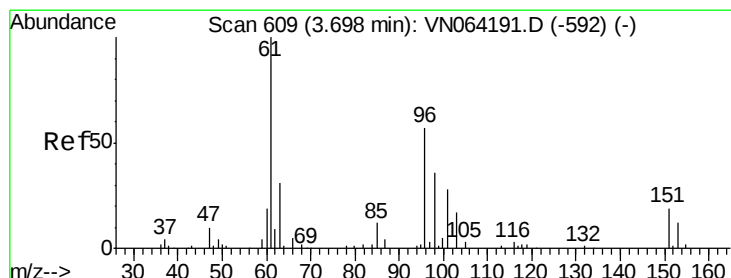
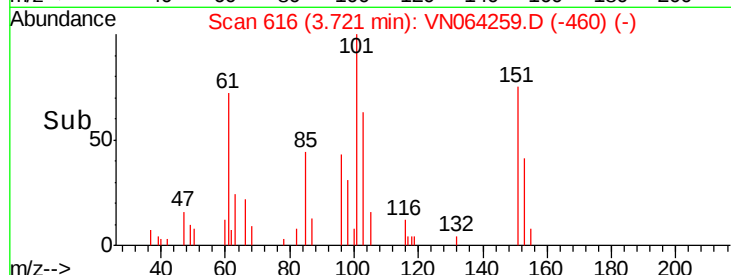
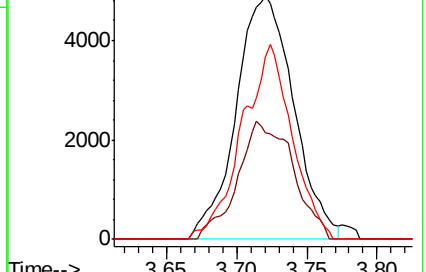
151 47.3 0.0 146.6



Abundance Ion 101.00 (100.70 to 101.70): VN064191.D (-595) (-)

Ion 85.00 (84.70 to 85.70): VN064191.D (-595) (-)

Ion 151.00 (150.70 to 151.70): VN064191.D (-595) (-)



#10

1,1-Dichloroethene

Concen: 4.923 ug/l

RT: 3.70 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

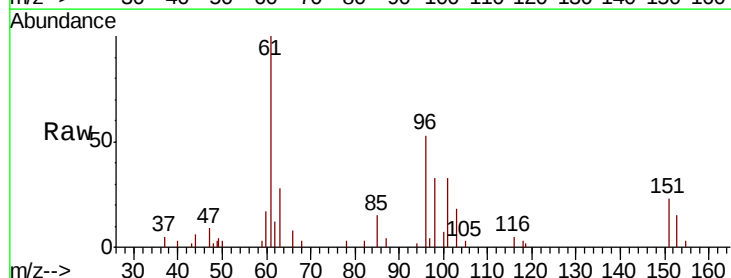
Tgt Ion: 96 Resp: 12392

Ion Ratio Lower Upper

96 100

61 189.9 141.0 211.4

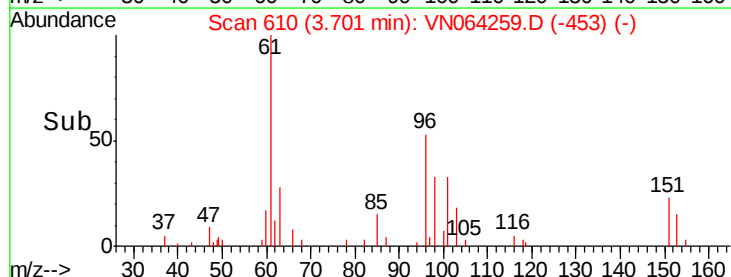
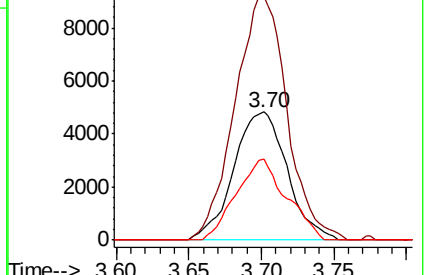
98 63.1 51.4 77.2

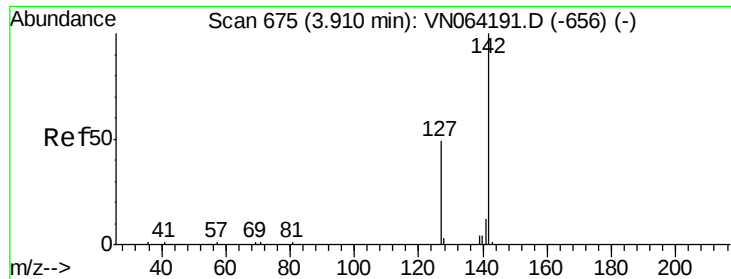


Abundance Ion 96.00 (95.70 to 96.70): VN064191.D (-592) (-)

Ion 61.00 (60.70 to 61.70): VN064191.D (-592) (-)

Ion 98.00 (97.70 to 98.70): VN064191.D (-592) (-)

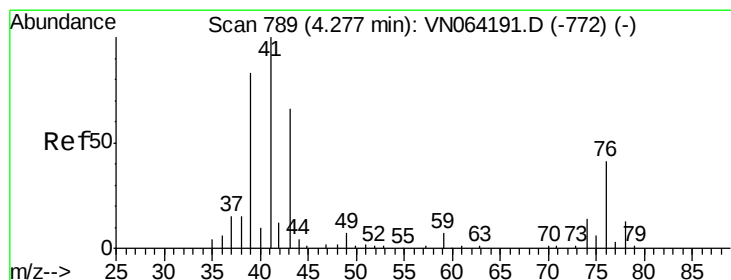
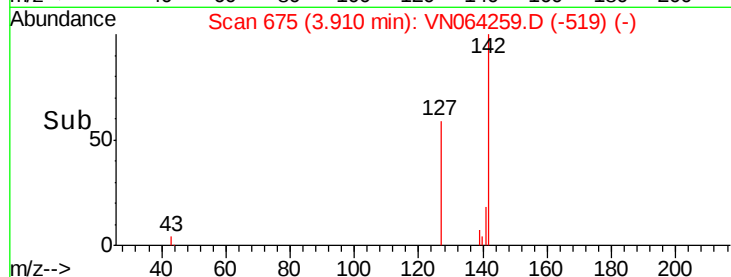
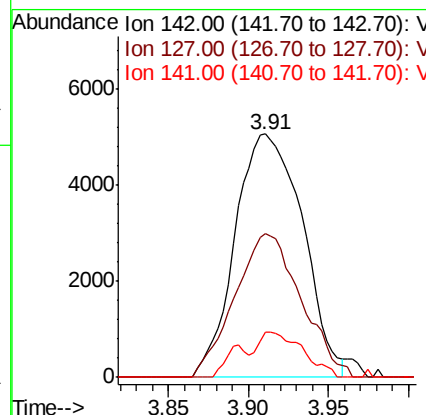
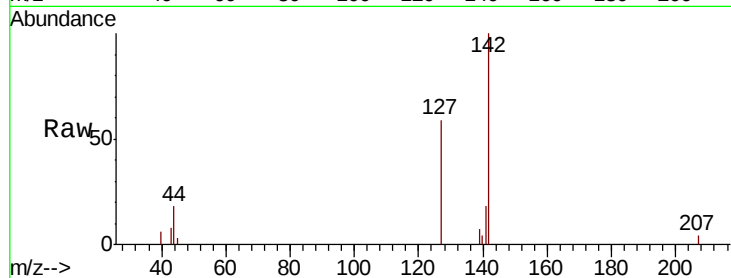




#11
Methyl Iodide
Concen: 4.045 ug/l
RT: 3.91 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN064259.D
Acq: 22 Oct 2020 18:54

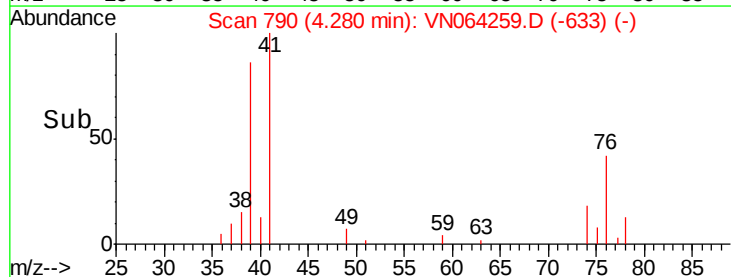
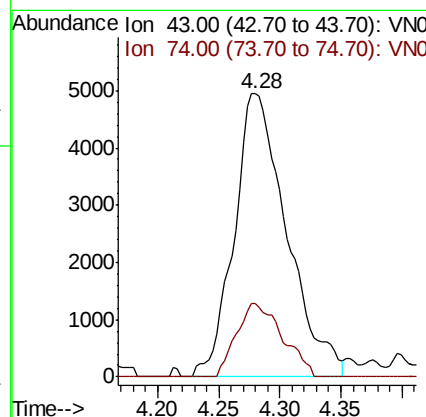
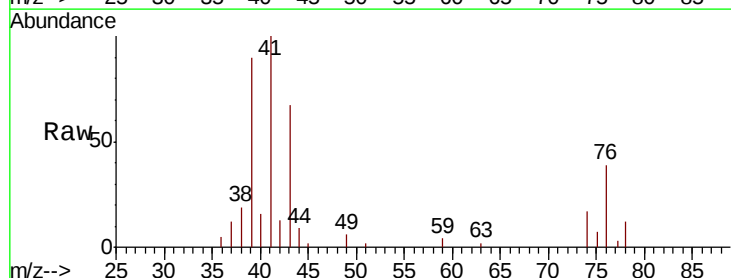
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

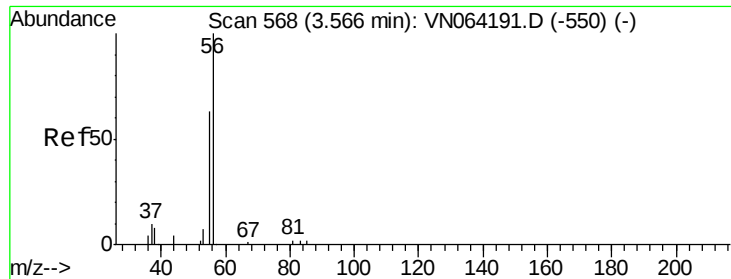
Tot Ion:142 Resp: 14677
Ion Ratio Lower Upper
142 100
127 58.8 24.5 73.5
141 19.0 6.0 18.1#



#12
Methyl Acetate
Concen: 5.586 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064259.D
Acq: 22 Oct 2020 18:54

Tgt Ion: 43 Resp: 14821
Ion Ratio Lower Upper
43 100
74 26.7 16.2 24.2#





#13

Acrolein

Concen: 20.115 ug/l

RT: 3.57 min Scan# 570

Delta R.T. 0.01 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

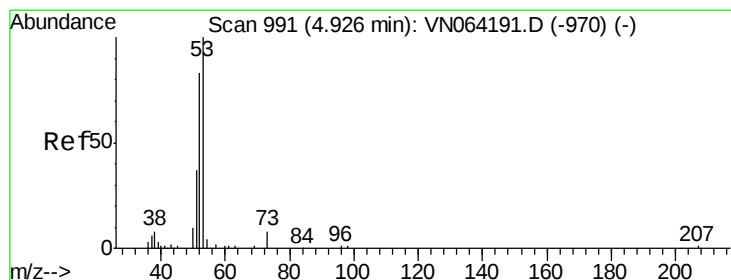
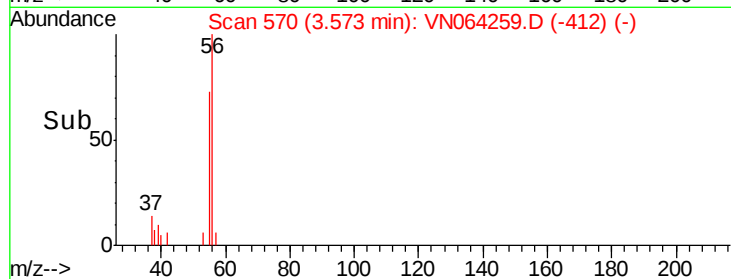
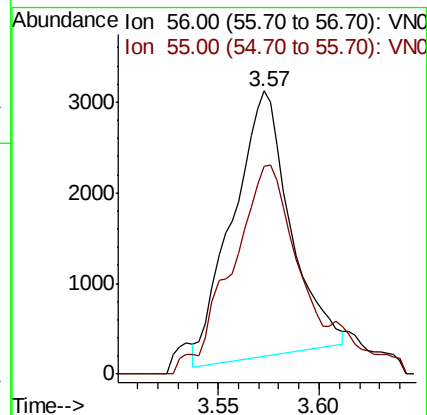
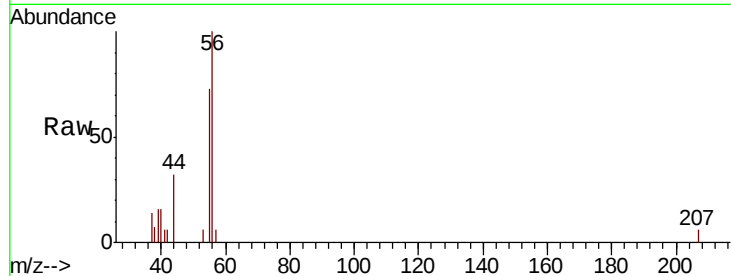
LOQ-WATER-02-QT4-2020

Tot Ion: 56 Resp: 5835

Ion Ratio Lower Upper

56 100

55 79.6 0.5 0.7#



#14

Acrylonitrile

Concen: 22.623 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.01 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

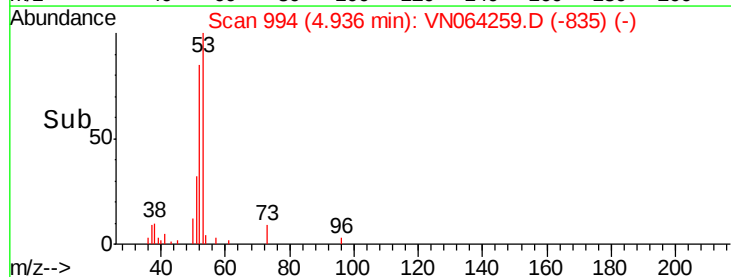
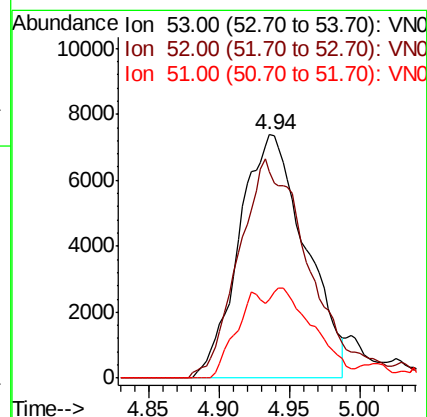
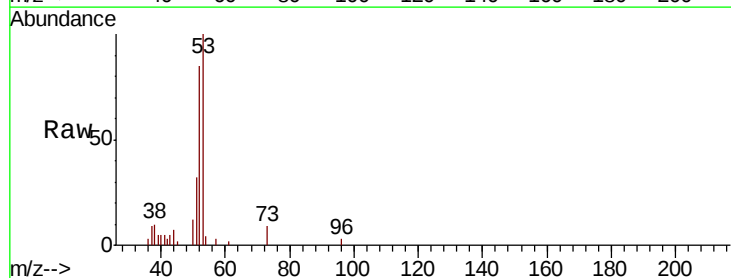
Tgt Ion: 53 Resp: 24187

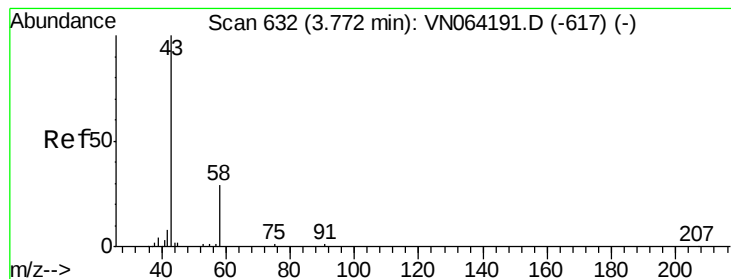
Ion Ratio Lower Upper

53 100

52 52.9 41.3 123.9

51 15.3 18.1 54.1#





#15

Acetone

Concen: 27.995 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

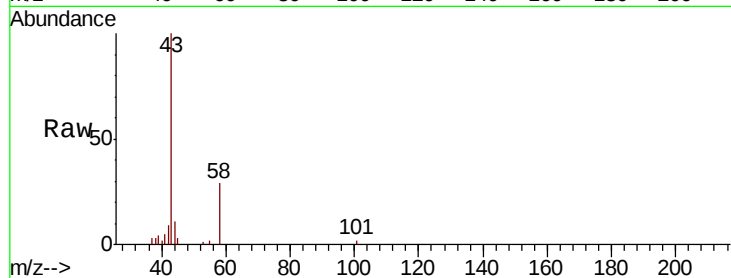
LOQ-WATER-02-QT4-2020

Tot Ion: 58 Resp: 8081

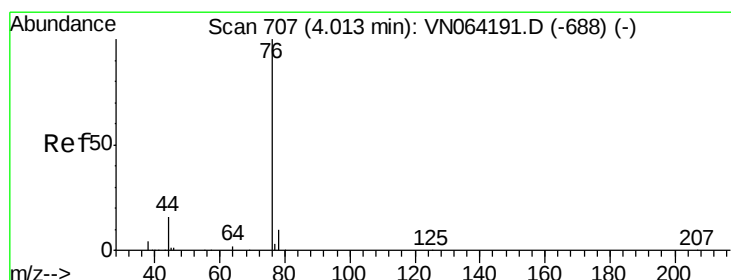
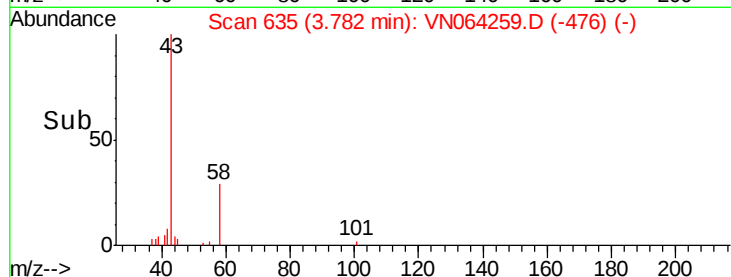
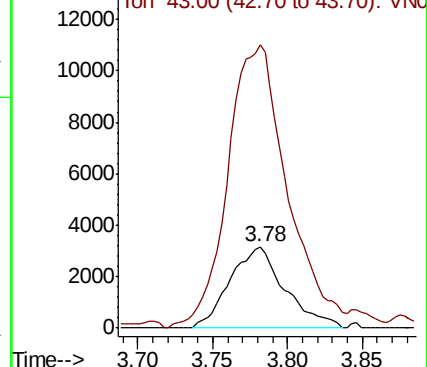
Ion Ratio Lower Upper

58 100

43 331.1 272.1 408.1



Abundance Ion 58.00 (57.70 to 58.70): VN064259.D (-551) (-)



#16

Carbon Disulfide

Concen: 4.662 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN064259.D

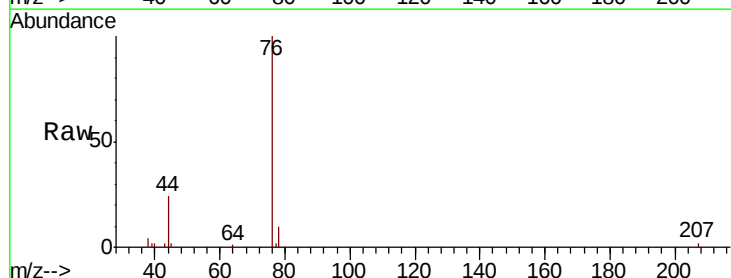
Acq: 22 Oct 2020 18:54

Tgt Ion: 76 Resp: 33561

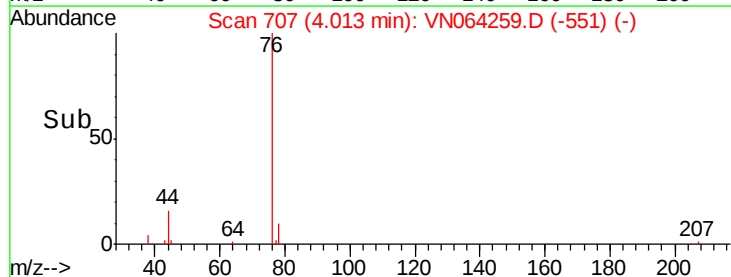
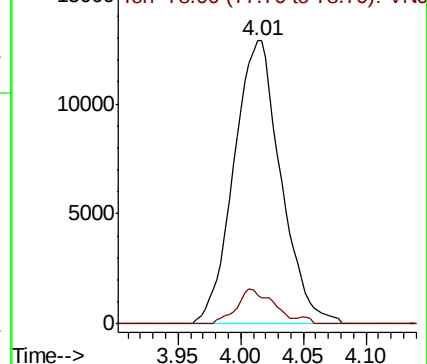
Ion Ratio Lower Upper

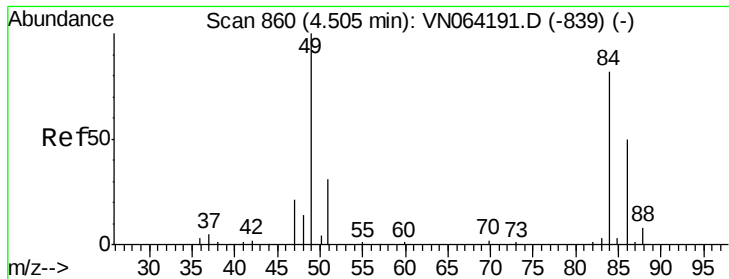
76 100

78 10.3 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VN064259.D (-551) (-)

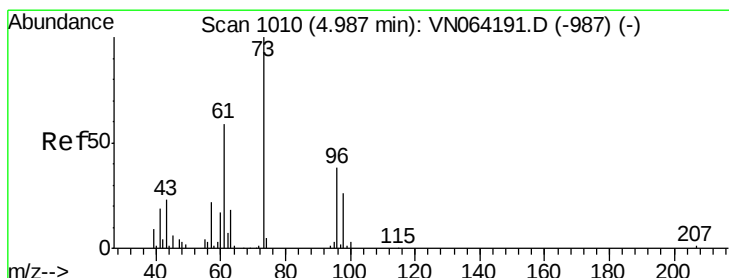
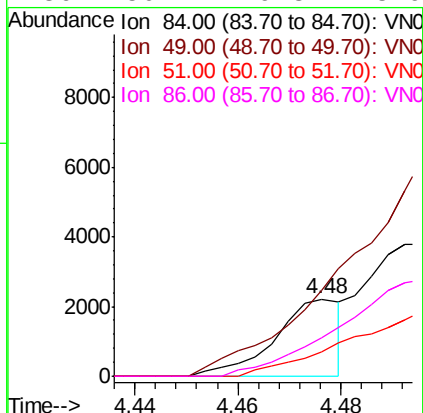
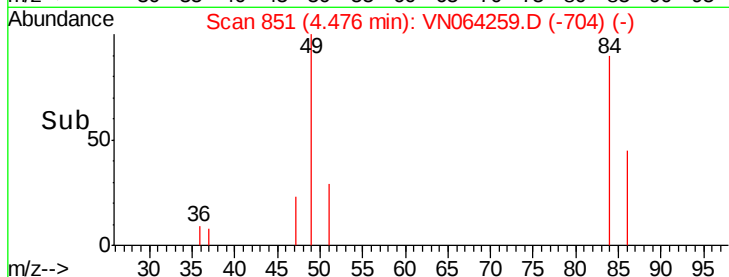
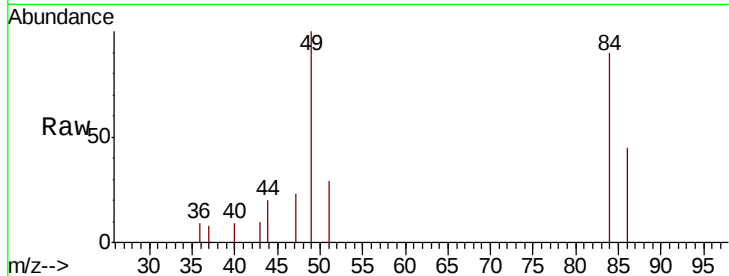




#18
Methvlene Chloride
Concen: 0.687 ug/l
RT: 4.48 min Scan# 851
Delta R.T. -0.03 min
Lab File: VN064259.D
Acq: 22 Oct 2020 18:54

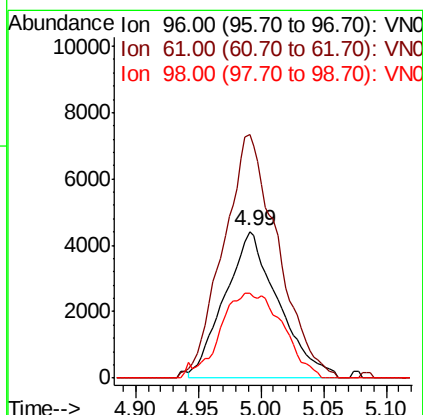
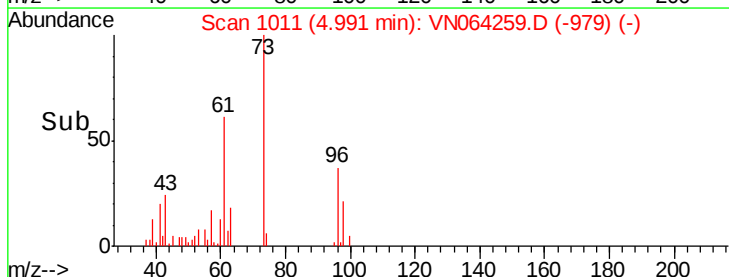
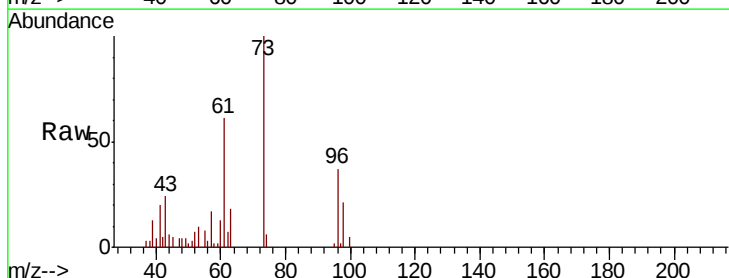
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

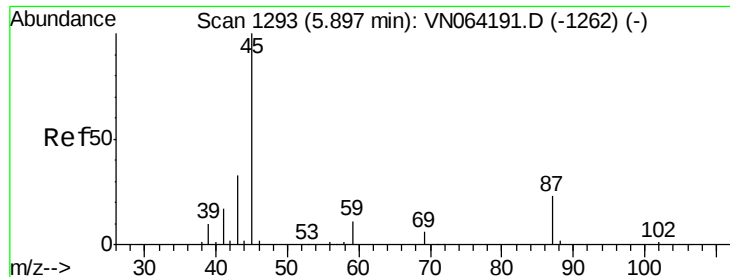
Tot Ion:	84	Resp:	1978
Ion	Ratio	Lower	Upper
84	100		
49	111.5	97.6	146.4
51	32.0	31.1	46.7
86	50.1	49.3	73.9



#19
trans-1,2-Dichloroethene
Concen: 4.837 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064259.D
Acq: 22 Oct 2020 18:54

Tgt Ion:	96	Resp:	13135
Ion	Ratio	Lower	Upper
96	100		
61	166.1	125.5	188.3
98	57.9	54.7	82.1

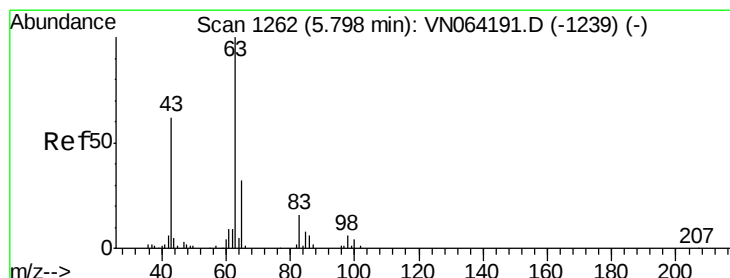
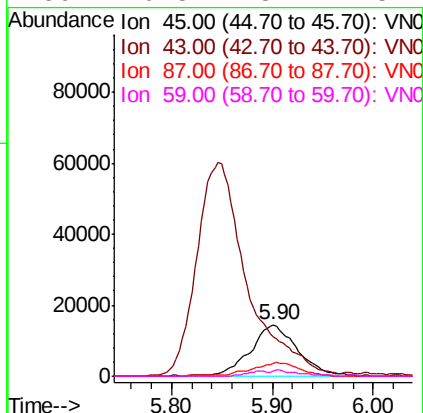
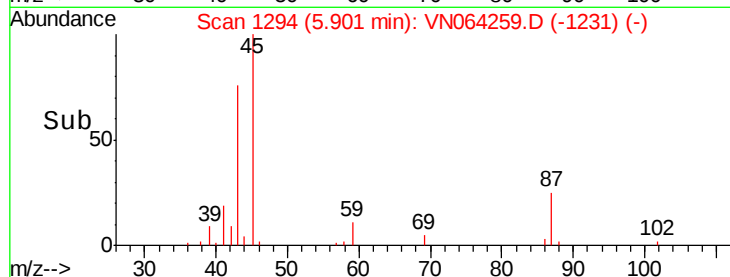
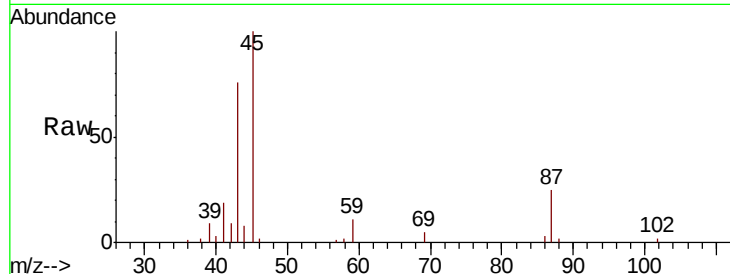




#20
Diisopropyl ether
Concen: 5.417 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN064259.D
Acq: 22 Oct 2020 18:54

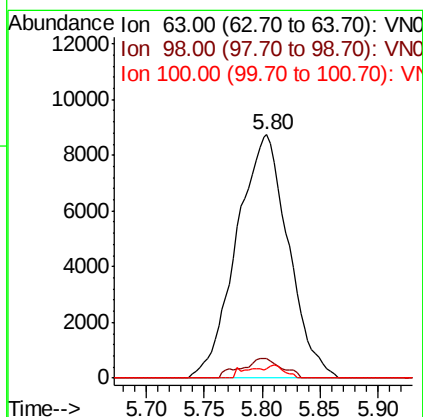
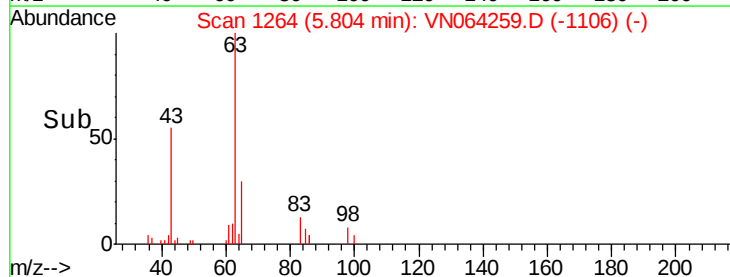
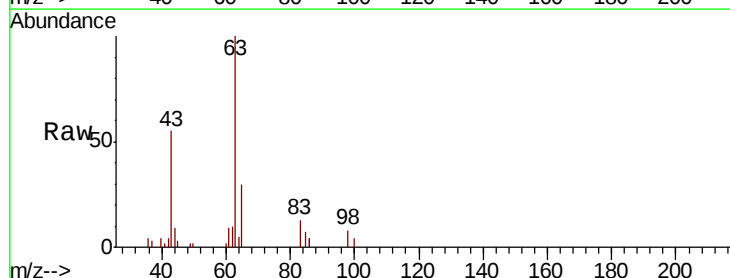
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

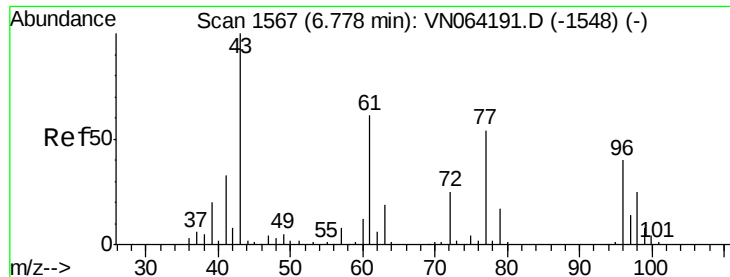
Tot Ion:	45	Resp:	46852
Ion	Ratio	Lower	Upper
45	100		
43	69.8	55.1	82.7
87	23.7	19.4	29.2
59	10.8	8.7	13.1



#21
1,1-Dichloroethane
Concen: 5.125 ug/l
RT: 5.80 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VN064259.D
Acq: 22 Oct 2020 18:54

Tgt Ion:	63	Resp:	27061
Ion	Ratio	Lower	Upper
63	100		
98	8.3	2.9	8.7
100	4.0	2.1	6.3





#22

cis-1,2-Dichloroethene

Concen: 5.250 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

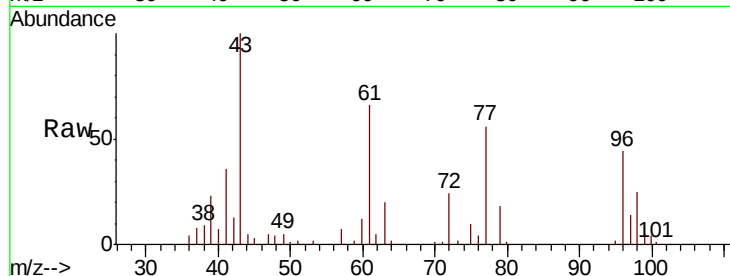
Tot Ion: 96 Resp: 16663

Ion Ratio Lower Upper

96 100

61 85.4 126.2 189.4#

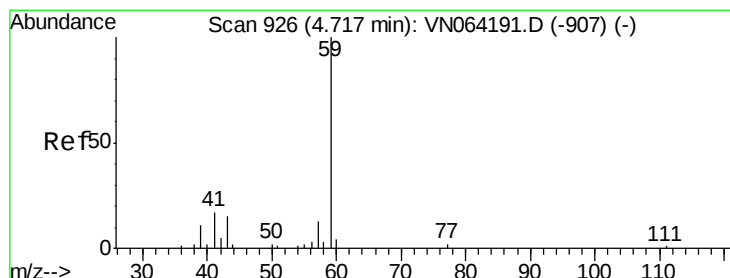
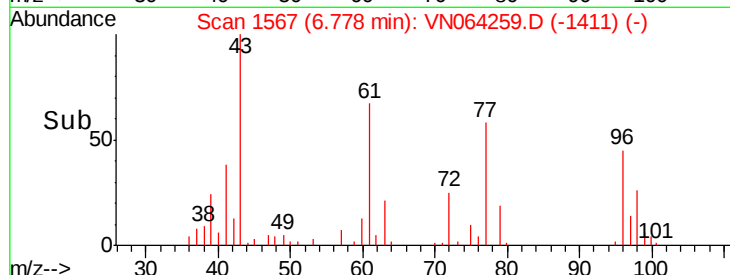
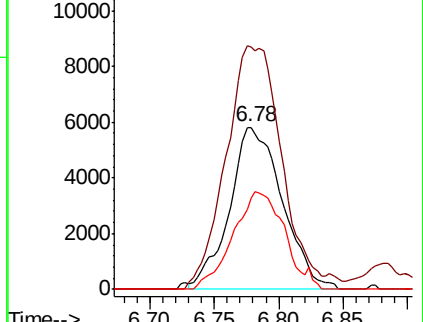
98 57.0 50.2 75.4



Abundance Ion 96.00 (95.70 to 96.70): VN064259.D (-1411) (-)

Ion 61.00 (60.70 to 61.70): VN064259.D (-1411) (-)

Ion 98.00 (97.70 to 98.70): VN064259.D (-1411) (-)



#23

tert-Butyl Alcohol

Concen: 12.745 ug/l

RT: 4.72 min Scan# 928

Delta R.T. 0.01 min

Lab File: VN064259.D

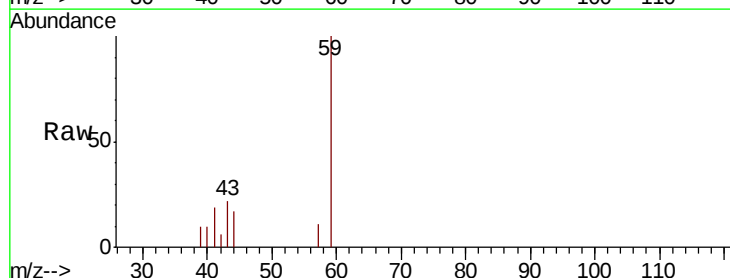
Acq: 22 Oct 2020 18:54

Tgt Ion: 59 Resp: 6302

Ion Ratio Lower Upper

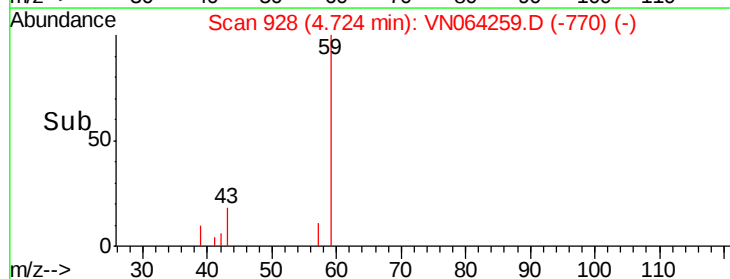
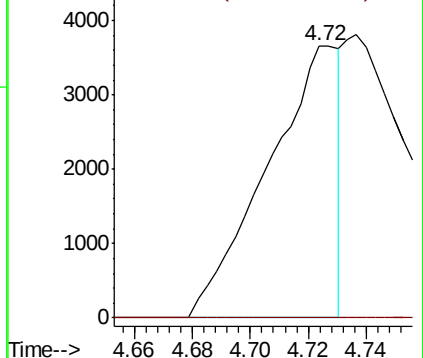
59 100

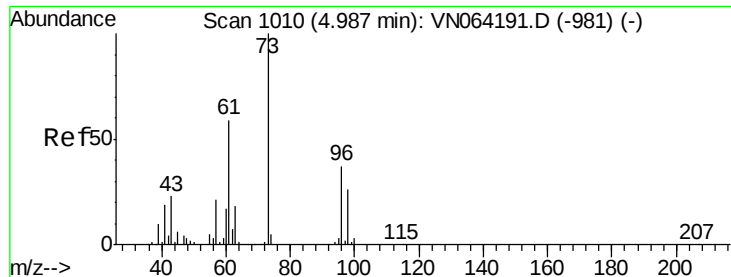
52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN064259.D (-770) (-)

Ion 52.00 (51.70 to 52.70): VN064259.D (-770) (-)



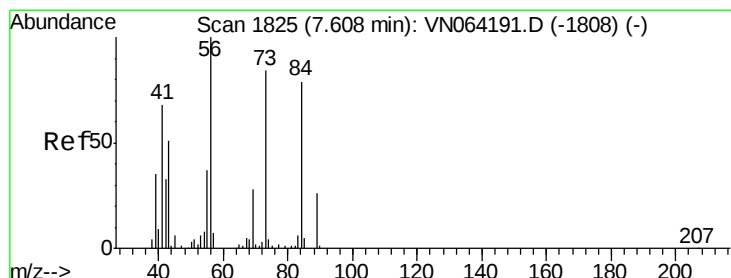
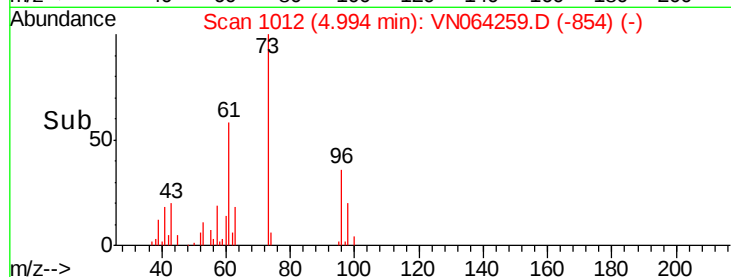
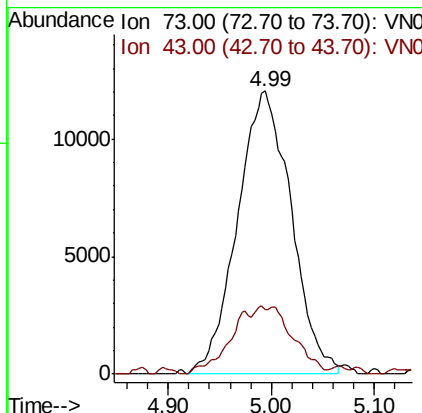
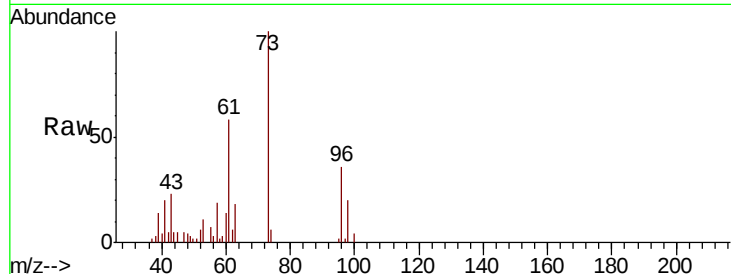


#24

Methvl tert-Butvl Ether
 Concen: 5.239 ug/l
 RT: 4.99 min Scan# 1012
 Delta R.T. 0.01 min
 Lab File: VN064259.D
 Acq: 22 Oct 2020 18:54

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

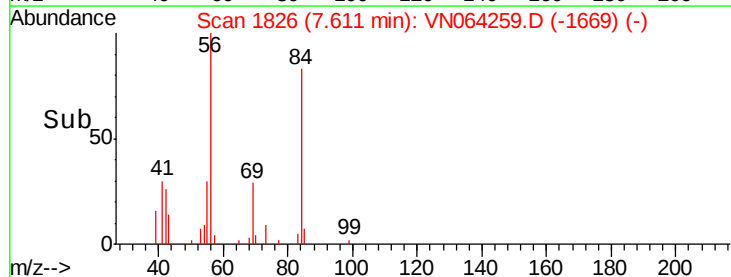
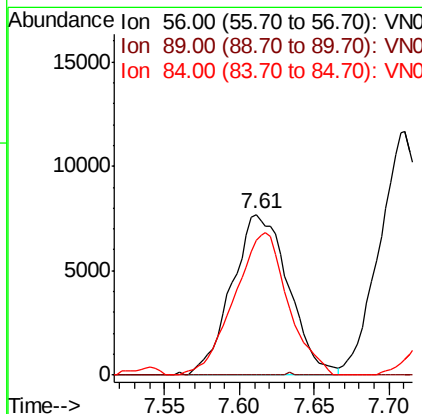
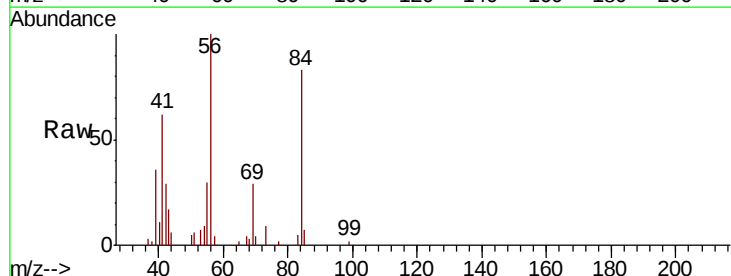
Tot Ion: 73 Resp: 43573
 Ion Ratio Lower Upper
 73 100
 43 10.4 18.2 27.2#

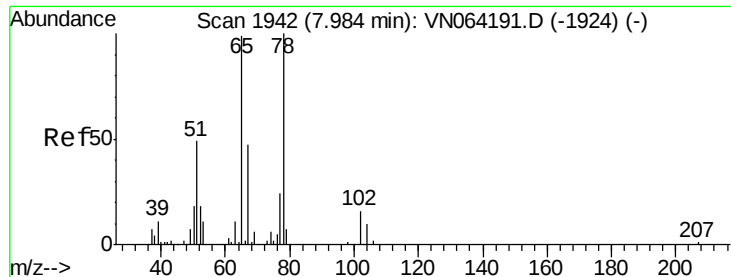


#26

Cyclohexane
 Concen: 4.844 ug/l
 RT: 7.61 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VN064259.D
 Acq: 22 Oct 2020 18:54

Tgt Ion: 56 Resp: 20282
 Ion Ratio Lower Upper
 56 100
 89 0.0 21.4 32.0#
 84 84.0 65.8 98.6





#27

1,2-Dichloroethane-d4

Concen: 35.246 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

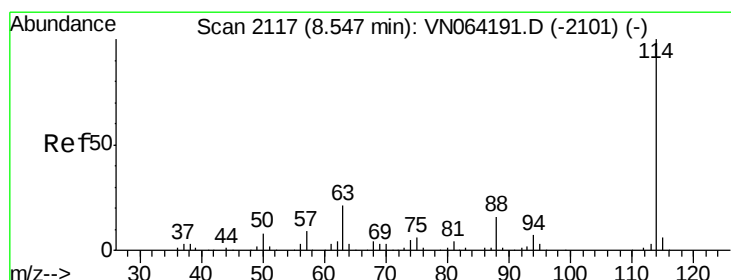
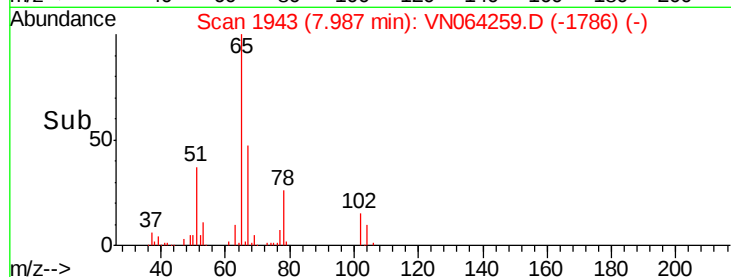
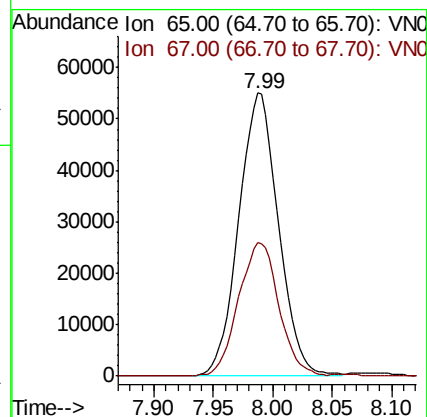
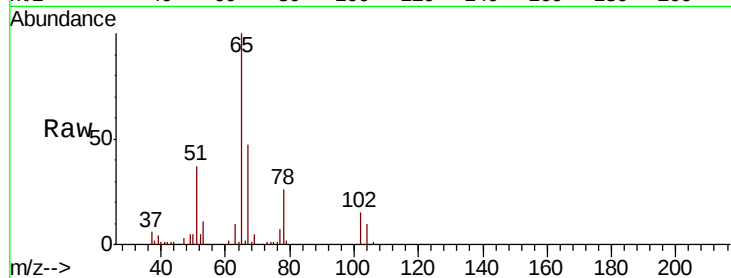
LOQ-WATER-02-QT4-2020

Tot Ion: 65 Resp: 127296

Ion Ratio Lower Upper

65 100

67 47.9 39.8 59.6



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

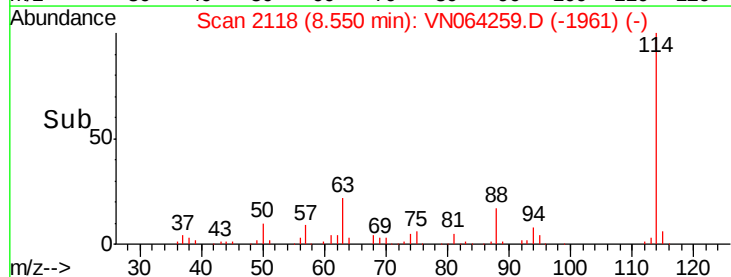
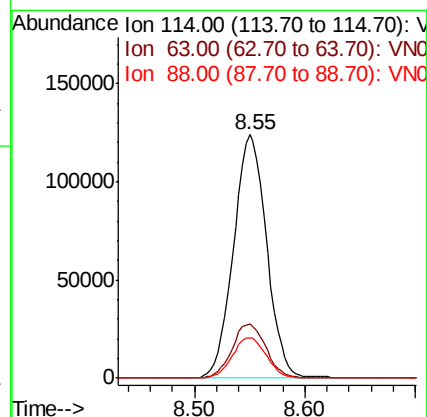
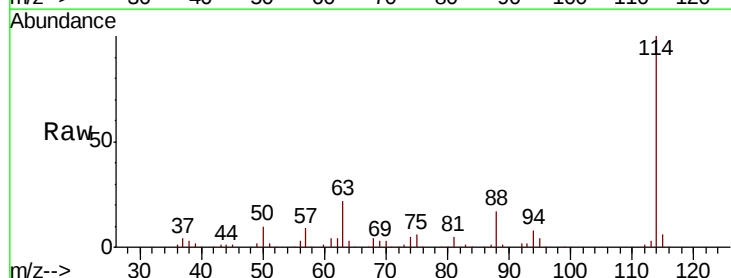
Tgt Ion: 114 Resp: 258270

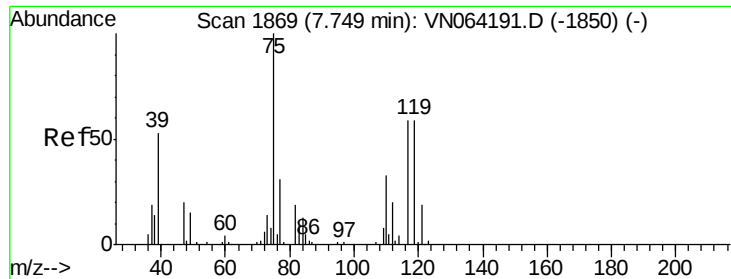
Ion Ratio Lower Upper

114 100

63 22.5 17.0 25.4

88 16.9 13.0 19.4

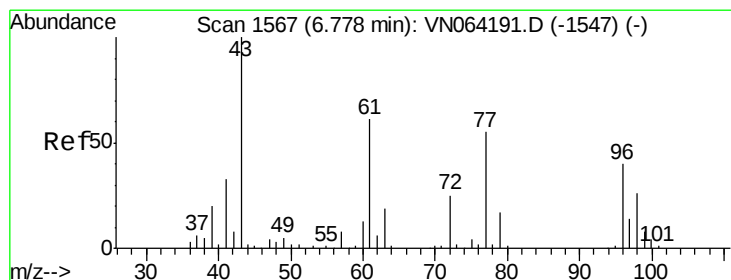
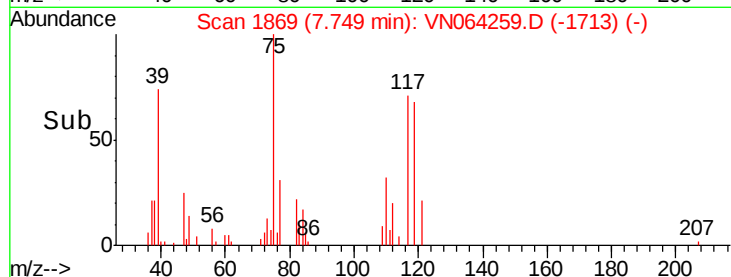
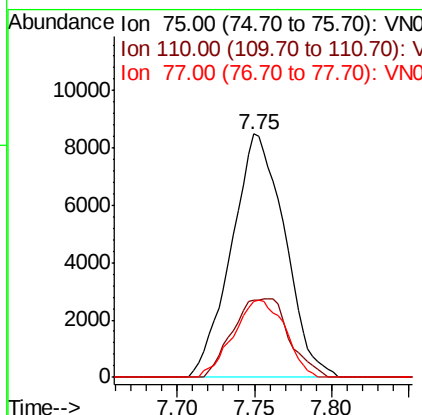
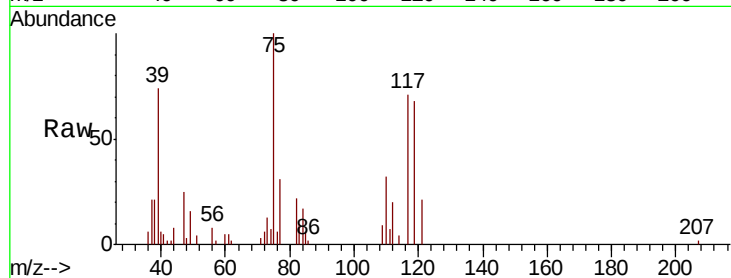




#29
 1,1-Dichloropropene
 Concen: 4.734 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VN064259.D
 Acq: 22 Oct 2020 18:54

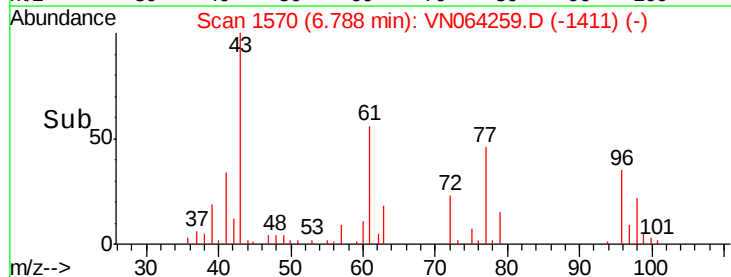
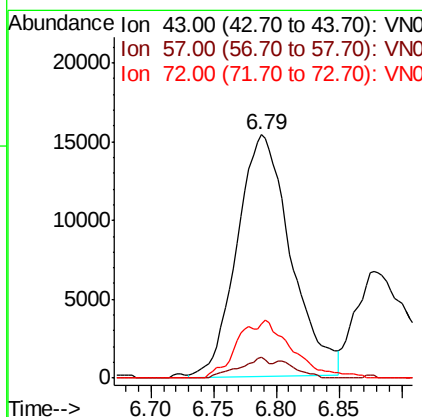
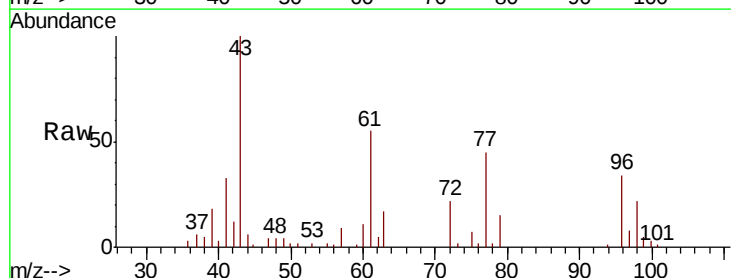
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

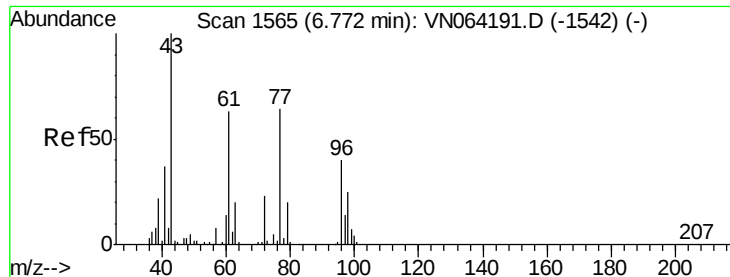
Tot Ion	Ratio	Lower	Upper
75	100		
110	34.2	0.0	66.8
77	30.7	0.0	63.6



#30
 2-Butanone
 Concen: 25.786 ug/l
 RT: 6.79 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: VN064259.D
 Acq: 22 Oct 2020 18:54

Tgt Ion	Ratio	Lower	Upper
43	100		
57	4.6	5.8	8.6#
72	12.8	19.8	29.8#

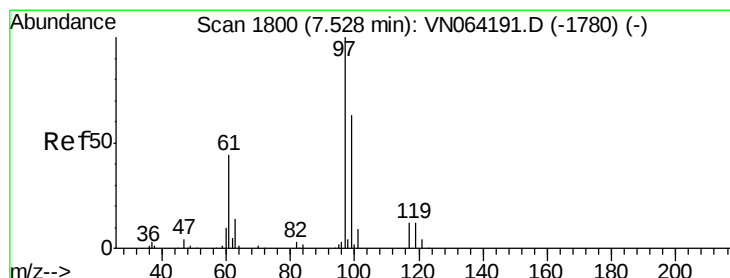
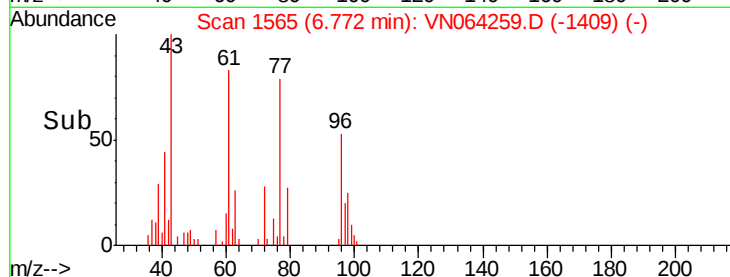
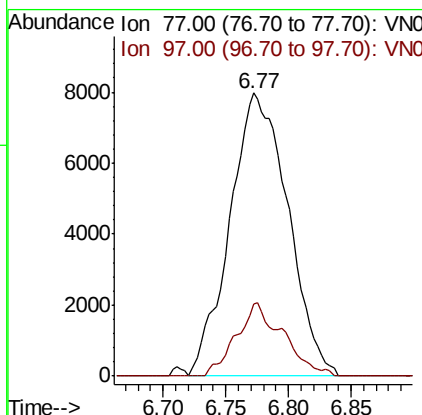
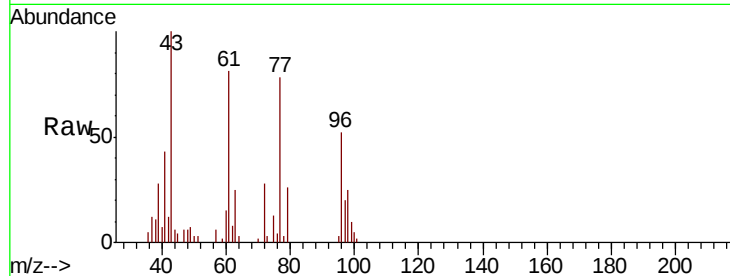




#31
 2,2-Dichloropropane
 Concen: 4.713 ug/l
 RT: 6.77 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN064259.D
 Acq: 22 Oct 2020 18:54

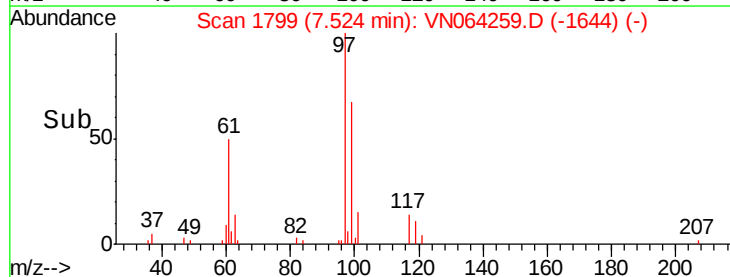
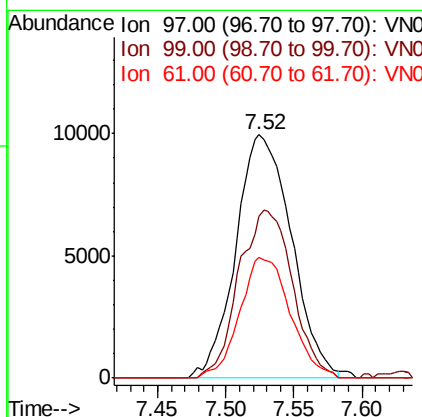
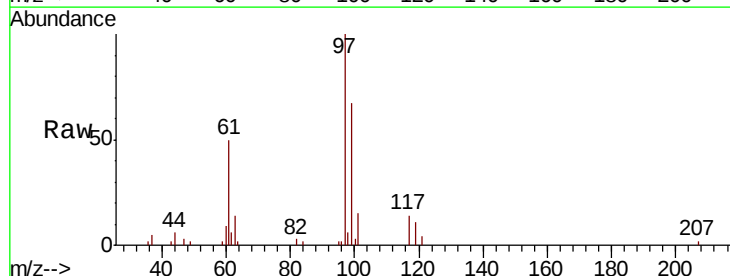
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

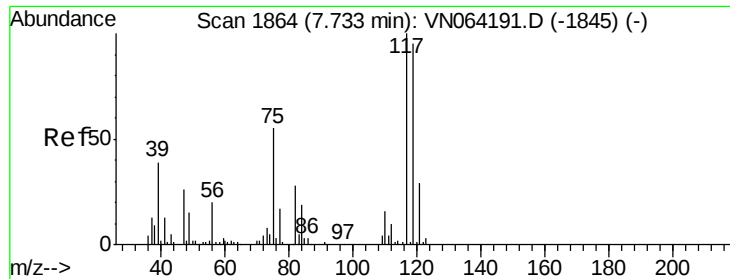
Tot Ion: 77 Resp: 25664
 Ion Ratio Lower Upper
 77 100
 97 10.4 17.3 25.9#



#32
 1,1,1-Trichloroethane
 Concen: 5.154 ug/l
 RT: 7.52 min Scan# 1799
 Delta R.T. -0.00 min
 Lab File: VN064259.D
 Acq: 22 Oct 2020 18:54

Tgt Ion: 97 Resp: 28169
 Ion Ratio Lower Upper
 97 100
 99 66.5 51.3 76.9
 61 45.2 34.8 52.2

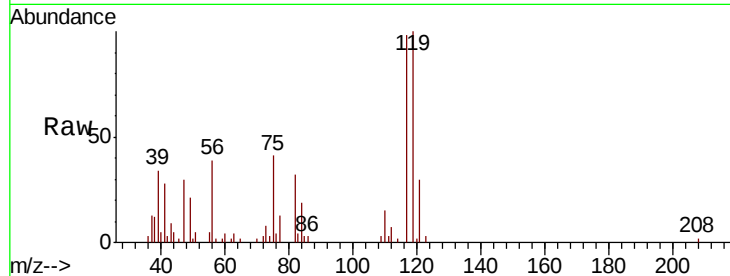




#33
Carbon Tetrachloride
Concen: 4.798 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064259.D
Acq: 22 Oct 2020 18:54

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

Tot Ion	Ratio	Lower	Upper
117	100		
119	99.6	76.0	114.0
121	30.8	23.0	34.6

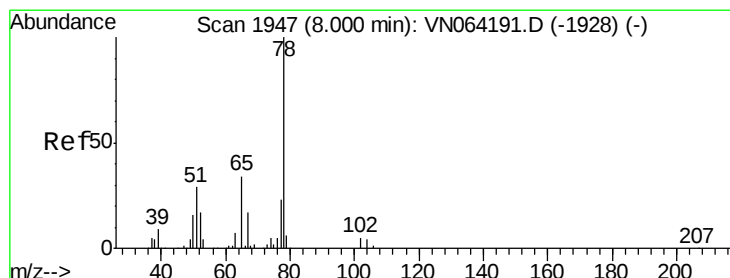
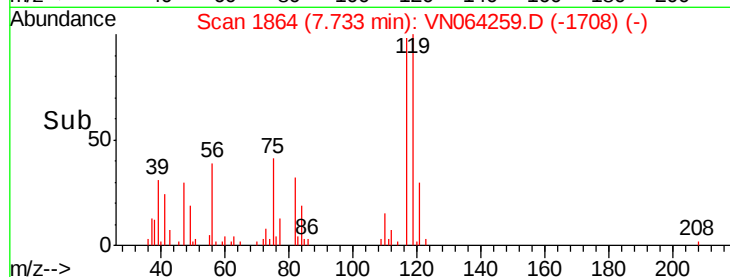
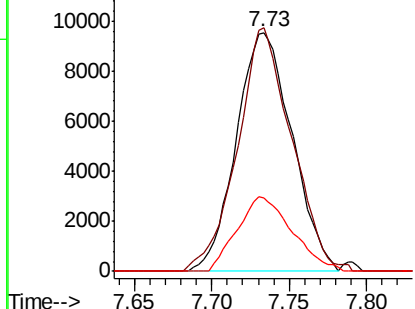


Abundance

Ion 117.00 (116.70 to 117.70): V

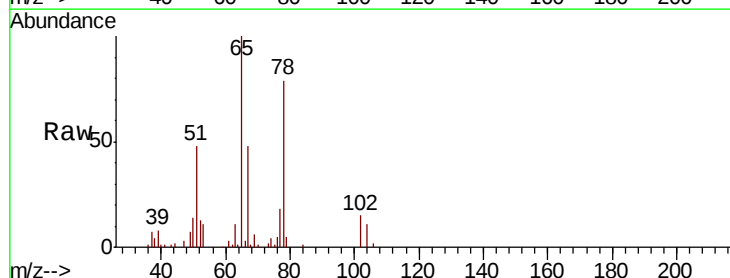
Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34
Benzene
Concen: 4.962 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064259.D
Acq: 22 Oct 2020 18:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.4	27.6
51	59.2	23.0	34.6#

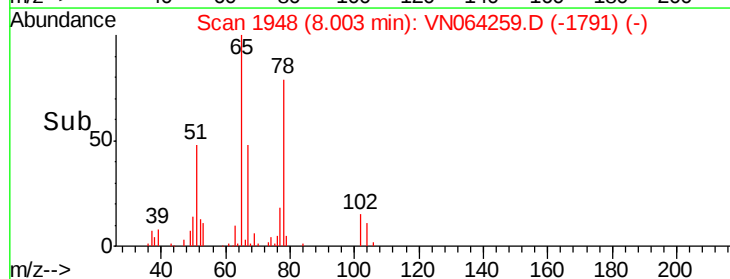
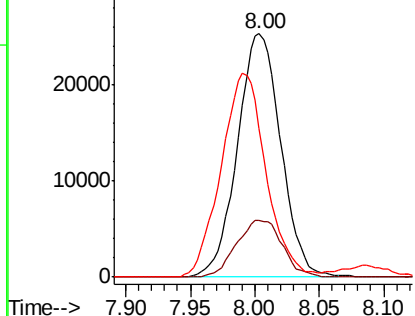


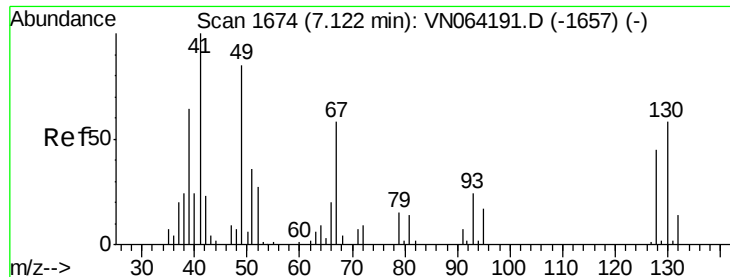
Abundance

Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

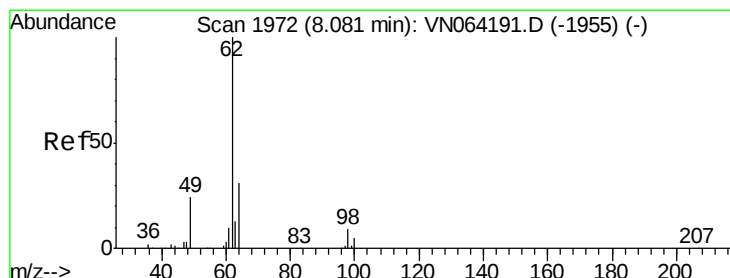
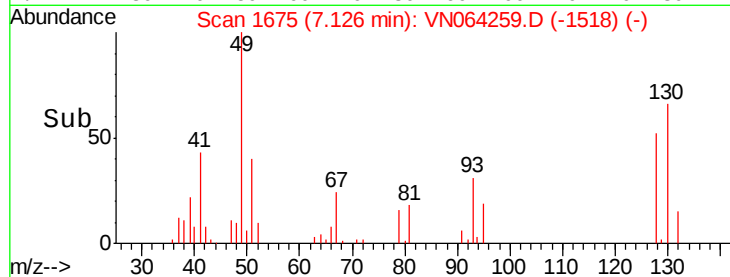
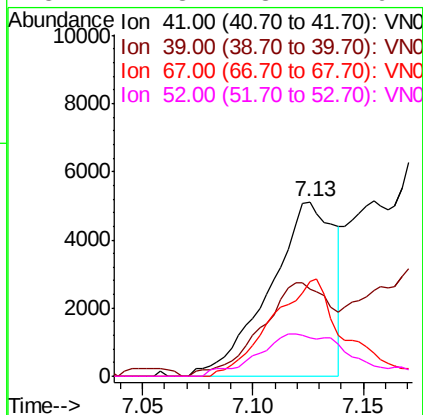
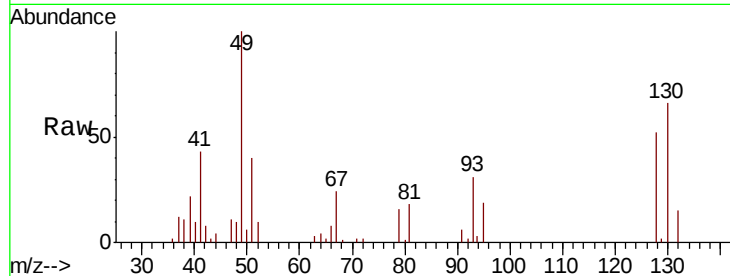




#35
Methacrylonitrile
Concen: 5.355 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN064259.D
Acq: 22 Oct 2020 18:54

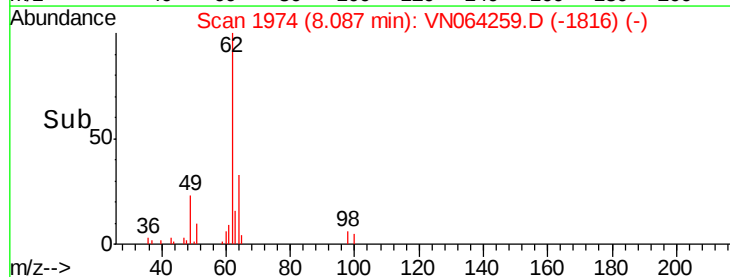
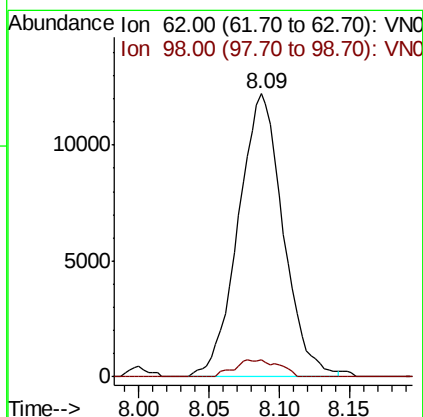
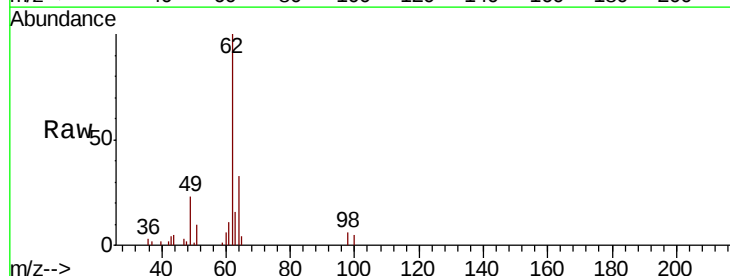
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

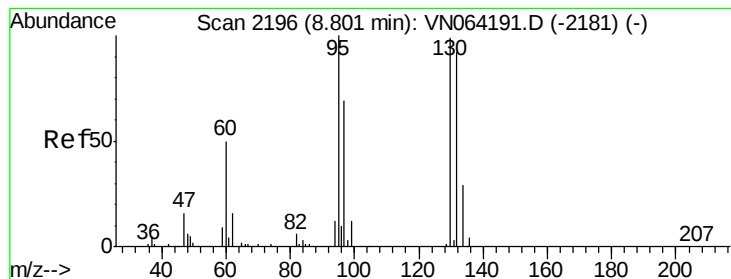
Tot Ion:	41	Resp:	10389
Ion	Ratio	Lower	Upper
41	100		
39	49.9	32.1	96.3
67	54.1	28.9	86.8
52	22.3	13.4	40.2



#36
1,2-Dichloroethane
Concen: 5.632 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.01 min
Lab File: VN064259.D
Acq: 22 Oct 2020 18:54

Tgt Ion:	62	Resp:	27206
Ion	Ratio	Lower	Upper
62	100		
98	1.0	6.3	9.5#





#37

Trichloroethene

Concen: 5.045 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

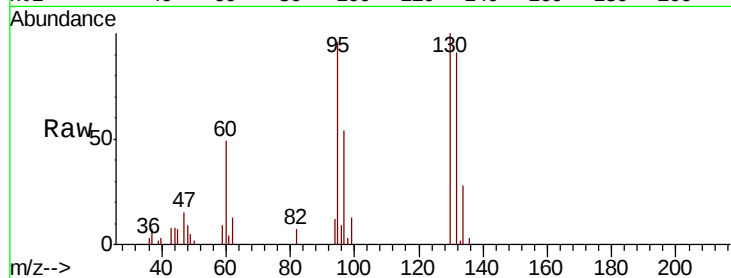
LOQ-WATER-02-QT4-2020

Tot Ion:130 Resp: 16589

Ion Ratio Lower Upper

130 100

95 95.6 81.0 121.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.80

10000

8000

6000

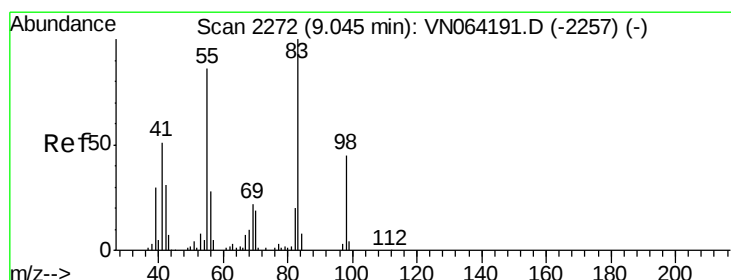
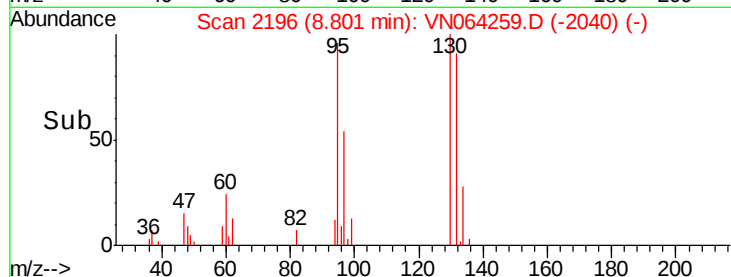
4000

2000

0

8.75 8.80 8.85

Time-->



#38

Methylcyclohexane

Concen: 4.785 ug/l

RT: 9.05 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

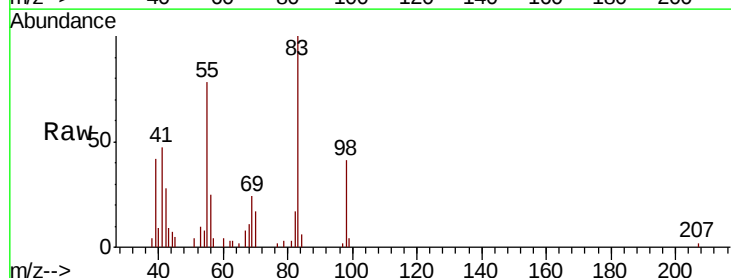
Tgt Ion: 83 Resp: 19630

Ion Ratio Lower Upper

83 100

55 80.1 40.3 120.9

98 41.8 22.4 67.0



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

12000

10000

8000

6000

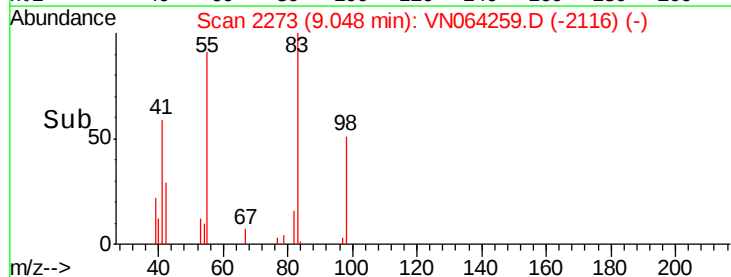
4000

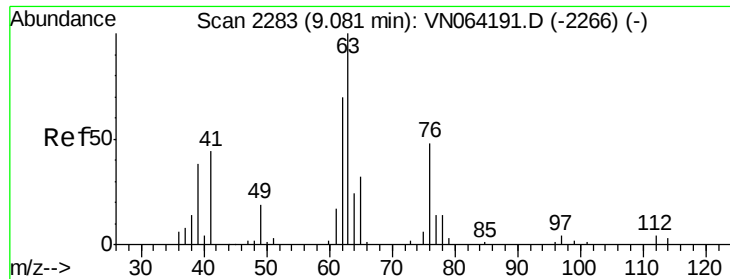
2000

0

9.00 9.05 9.10

Time-->

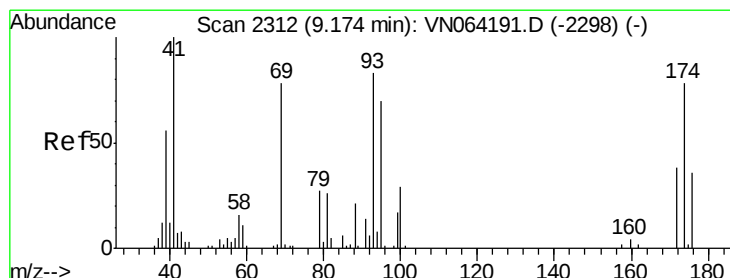
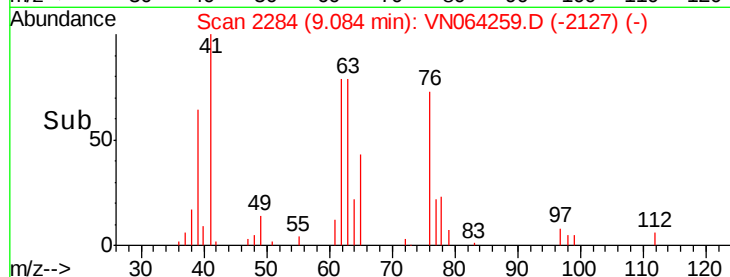
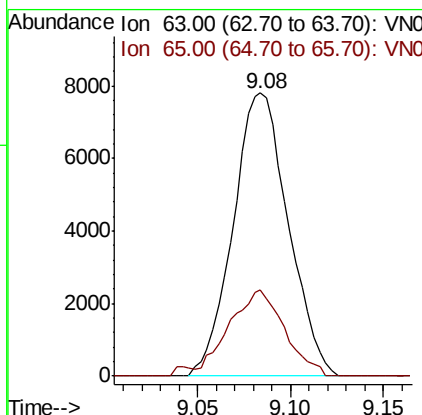
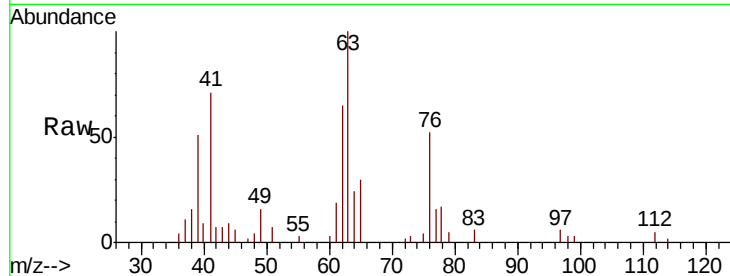




#39
 1,2-Dichloropropane
 Concen: 5.059 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064259.D
 Acq: 22 Oct 2020 18:54

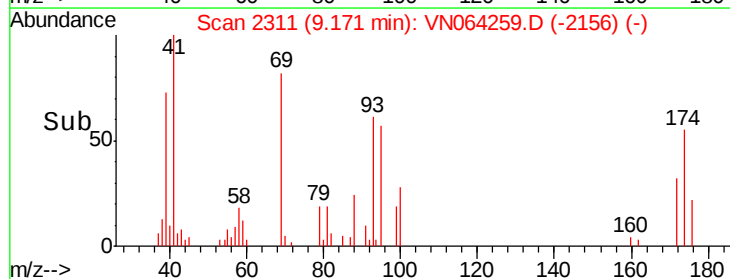
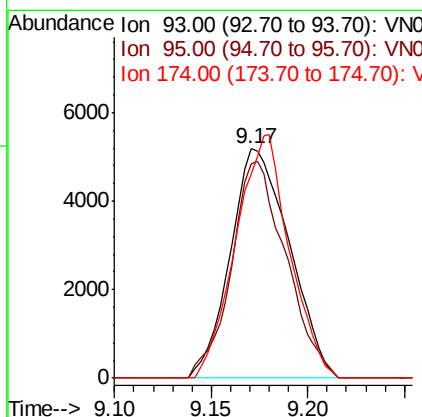
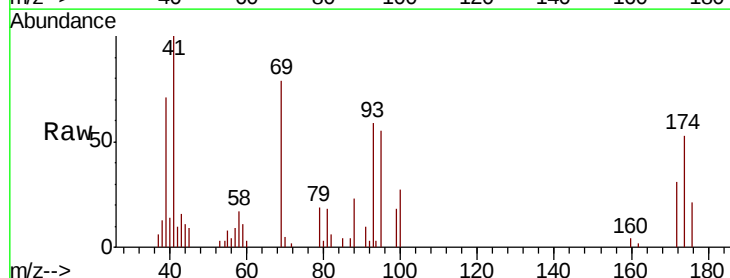
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

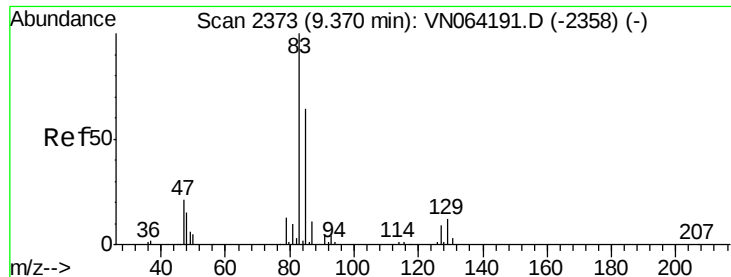
Tot Ion: 63 Resp: 16125
 Ion Ratio Lower Upper
 63 100
 65 30.5 26.5 39.7



#40
 Dibromomethane
 Concen: 4.962 ug/l
 RT: 9.17 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN064259.D
 Acq: 22 Oct 2020 18:54

Tgt Ion: 93 Resp: 11005
 Ion Ratio Lower Upper
 93 100
 95 87.2 0.0 169.2
 174 96.6 0.0 187.4





#41

Bromodichloromethane

Concen: 4.895 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

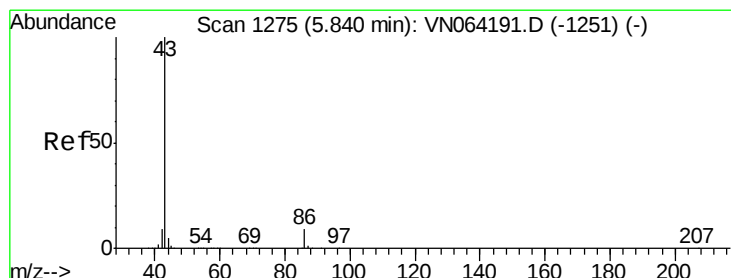
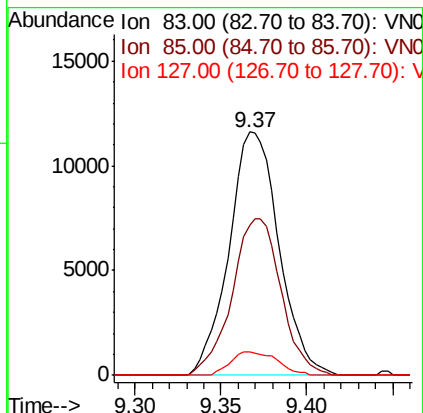
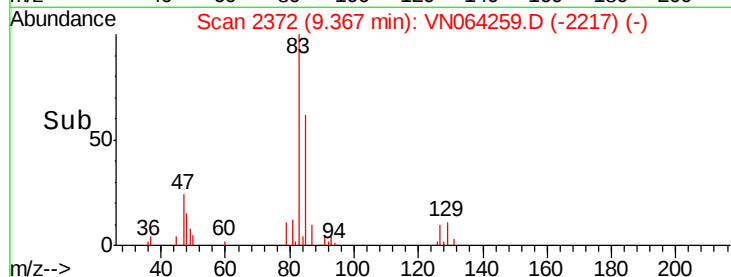
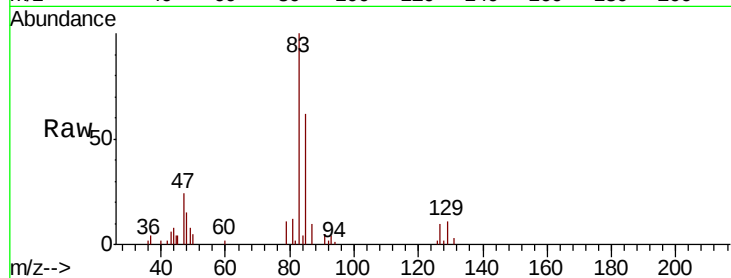
Tot Ion: 83 Resp: 23495

Ion Ratio Lower Upper

83 100

85 61.7 51.5 77.3

127 9.8 6.8 10.2



#42

Vinyl Acetate

Concen: 25.065 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.01 min

Lab File: VN064259.D

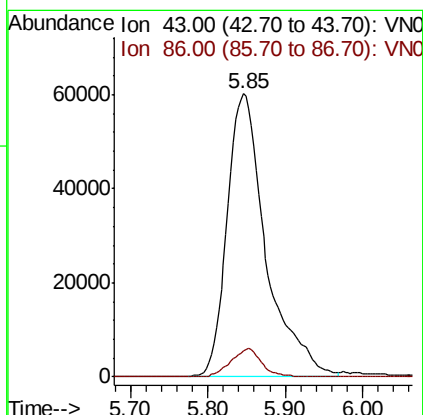
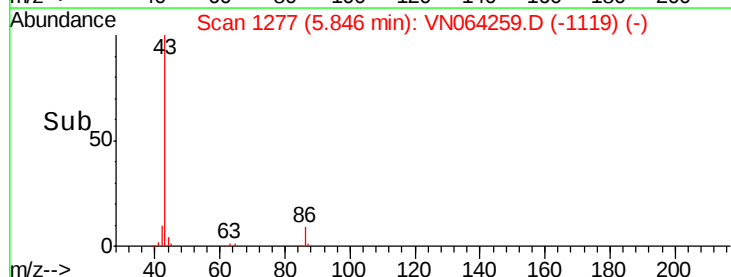
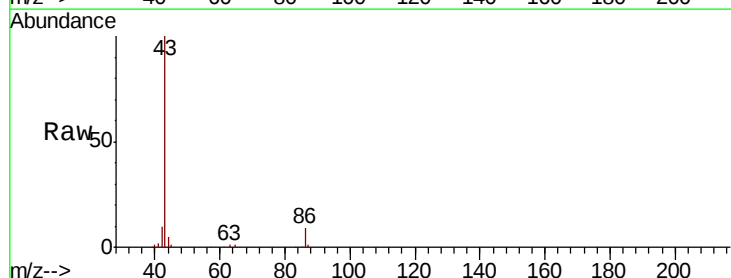
Acq: 22 Oct 2020 18:54

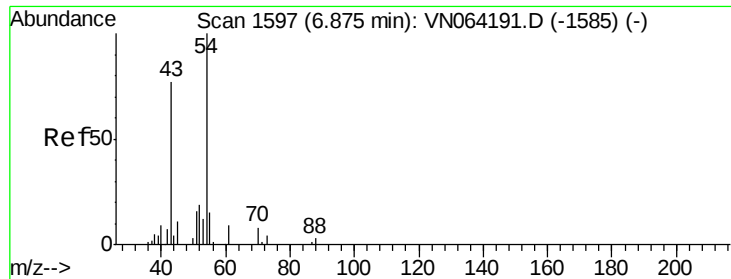
Tgt Ion: 43 Resp: 210473

Ion Ratio Lower Upper

43 100

86 7.9 6.7 10.1





#43

Ethyl Acetate

Concen: 4.508 ug/l

RT: 6.88 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

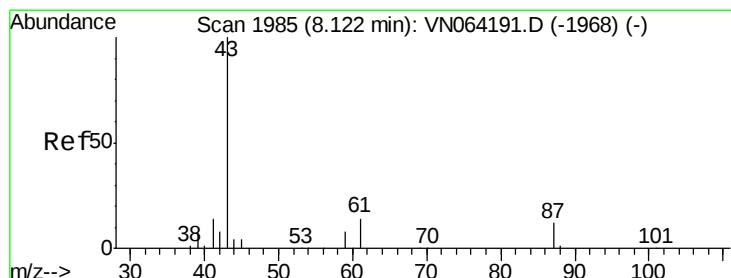
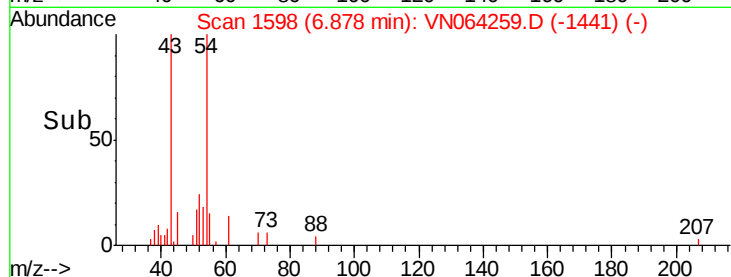
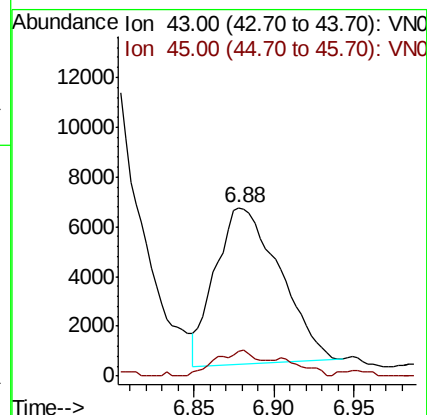
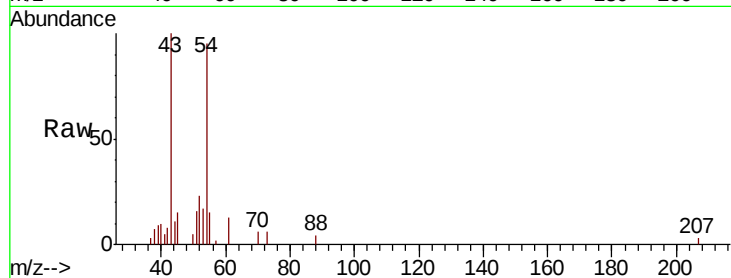
LOQ-WATER-02-QT4-2020

Tot Ion: 43 Resp: 17416

Ion Ratio Lower Upper

43 100

45 7.0 9.8 14.8#



#44

Isopropyl Acetate

Concen: 5.030 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN064259.D

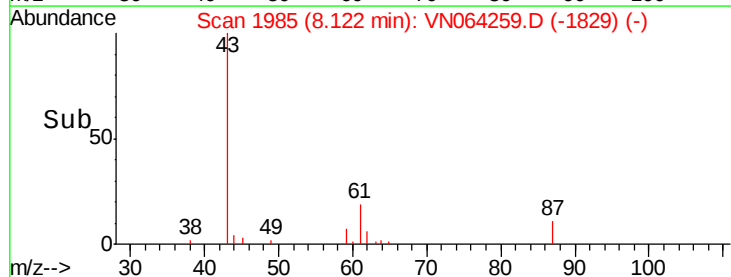
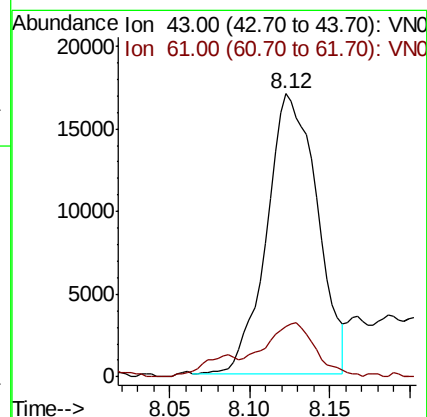
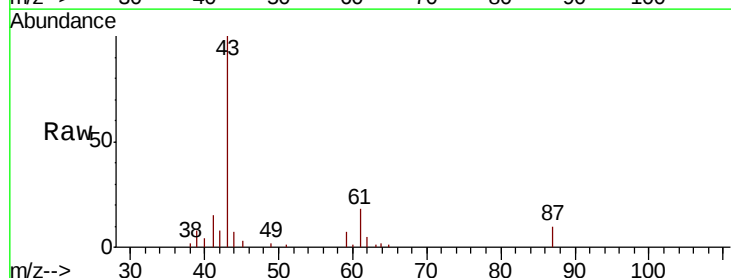
Acq: 22 Oct 2020 18:54

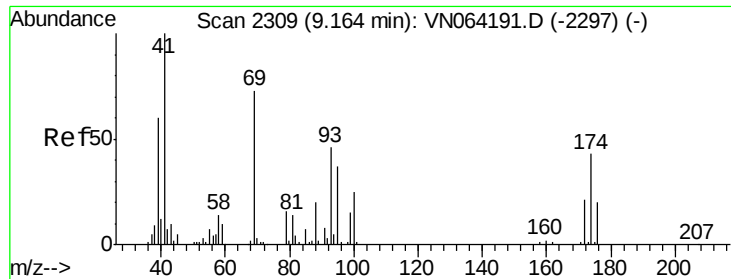
Tgt Ion: 43 Resp: 37302

Ion Ratio Lower Upper

43 100

61 19.5 18.7 28.1

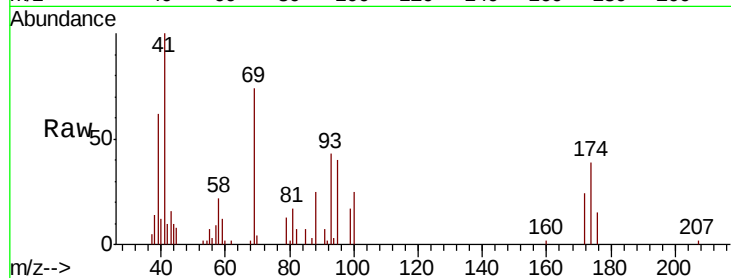




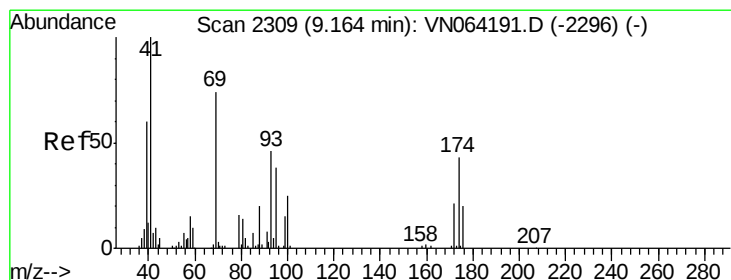
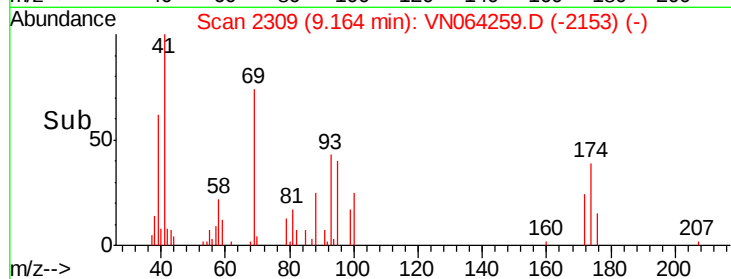
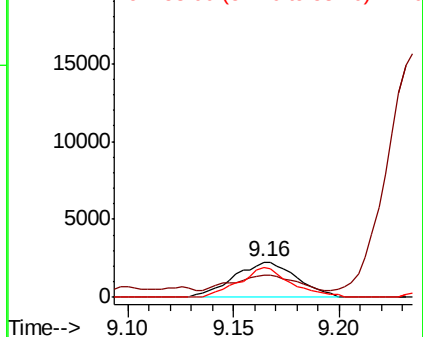
#45
 1,4-Dioxane
 Concen: 108.035 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN064259.D
 Acq: 22 Oct 2020 18:54

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

Tot Ion: 88 Resp: 4686
 Ion Ratio Lower Upper
 88 100
 43 44.1 37.0 55.4
 58 70.6 62.4 93.6

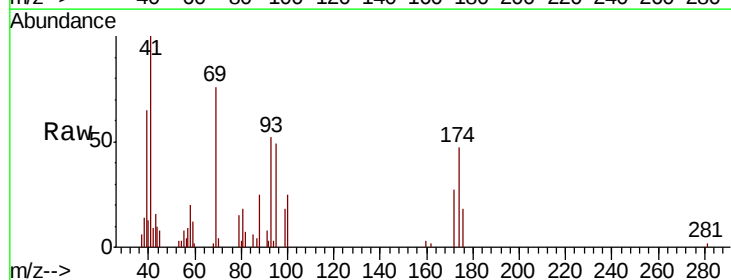


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

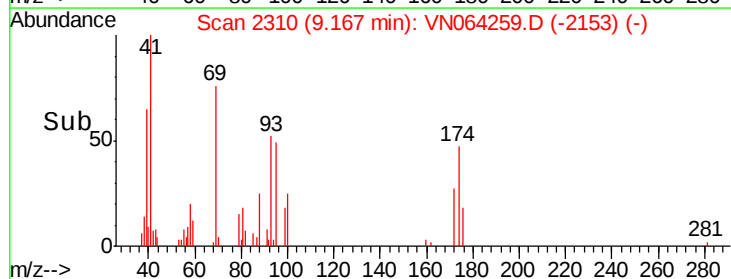
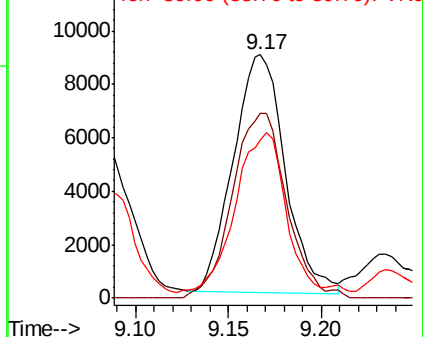


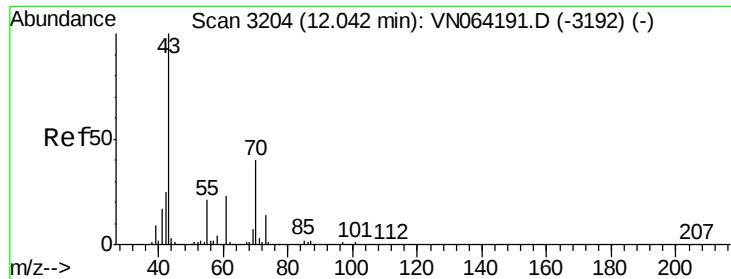
#46
 Methyl methacrylate
 Concen: 4.946 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN064259.D
 Acq: 22 Oct 2020 18:54

Tgt Ion: 41 Resp: 17403
 Ion Ratio Lower Upper
 41 100
 69 76.1 36.8 110.4
 39 63.1 30.4 91.2



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





#47

n-amvl Acetate

Concen: 4.497 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

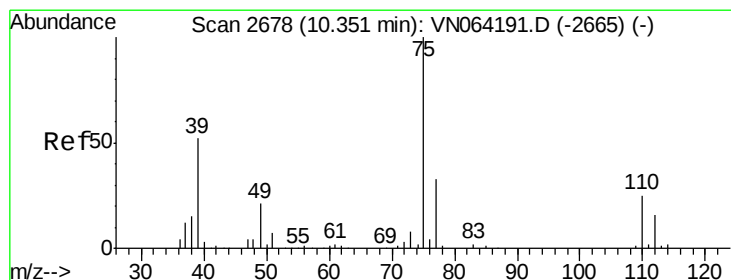
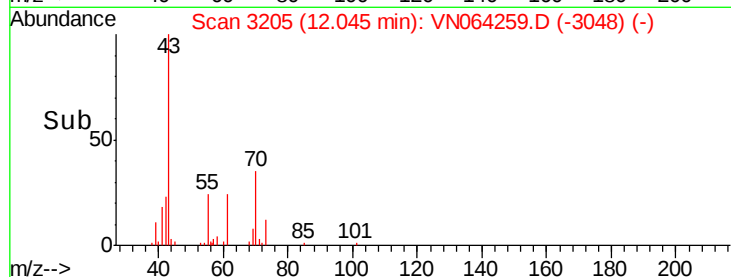
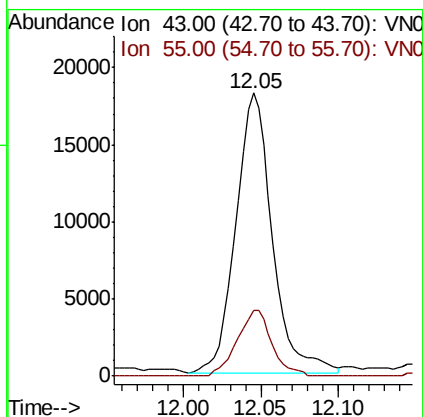
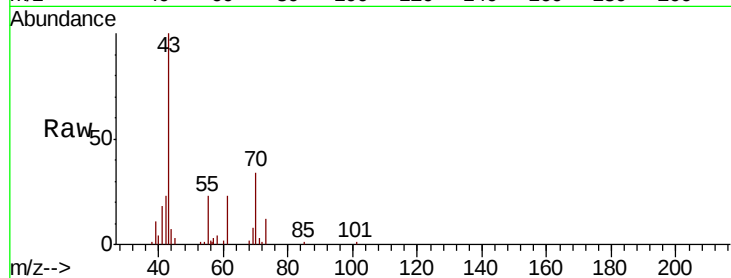
LOQ-WATER-02-QT4-2020

Tot Ion: 43 Resp: 29588

Ion Ratio Lower Upper

43 100

55 22.6 17.6 26.4



#48

t-1,3-Dichloropropene

Concen: 4.826 ug/l

RT: 10.35 min Scan# 2679

Delta R.T. 0.00 min

Lab File: VN064259.D

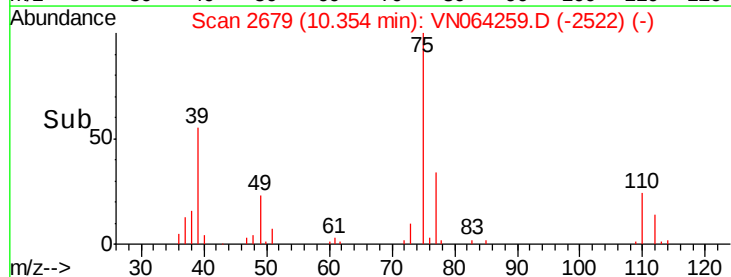
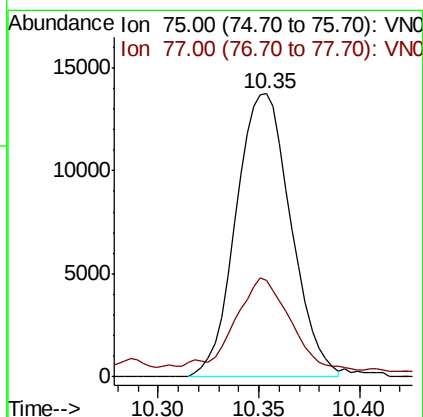
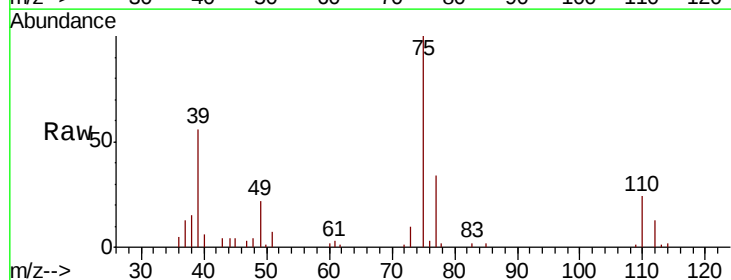
Acq: 22 Oct 2020 18:54

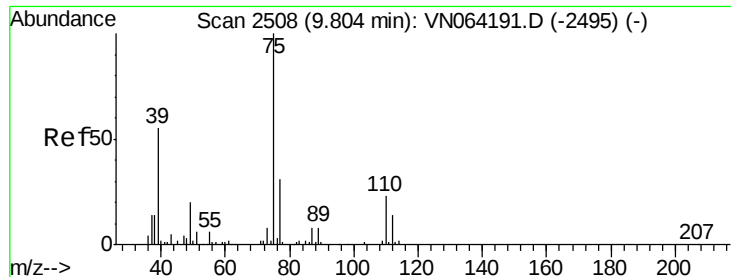
Tgt Ion: 75 Resp: 26123

Ion Ratio Lower Upper

75 100

77 30.4 27.4 41.2

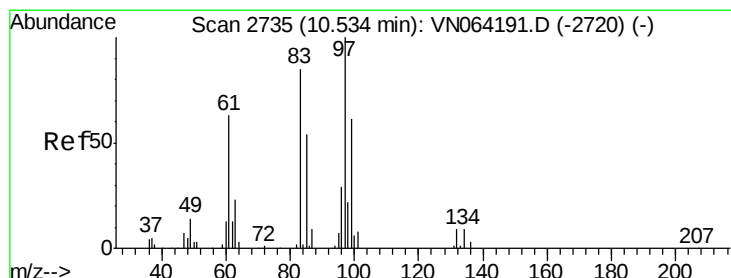
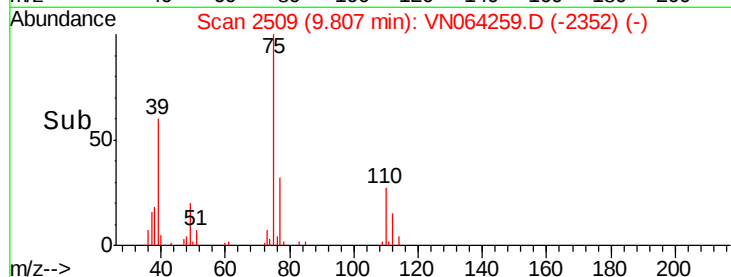
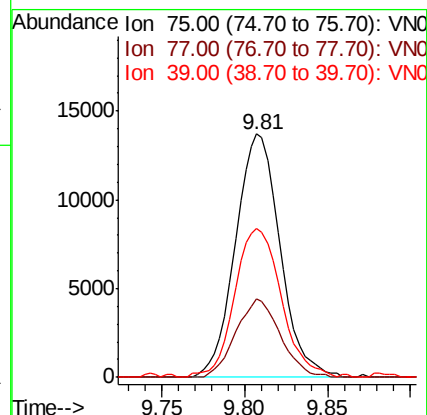
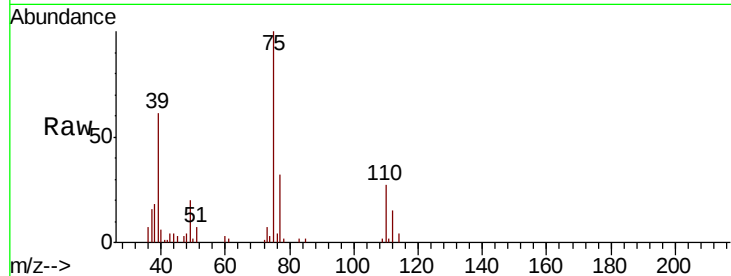




#49
 cis-1,3-Dichloropropene
 Concen: 4.582 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064259.D
 Acq: 22 Oct 2020 18:54

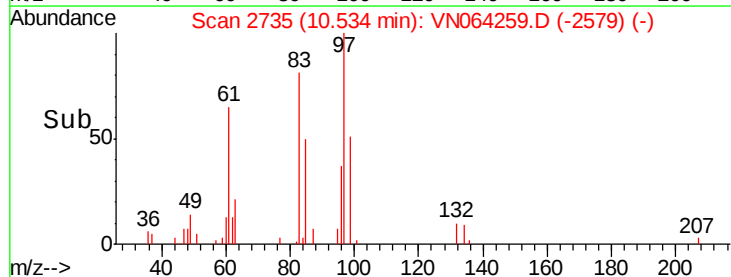
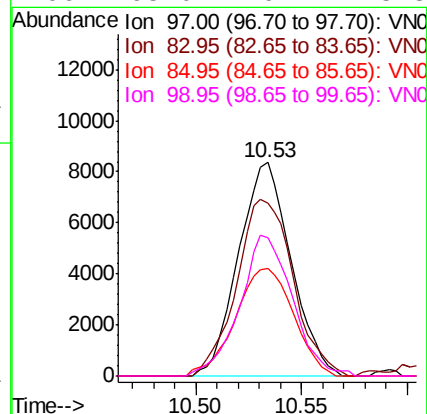
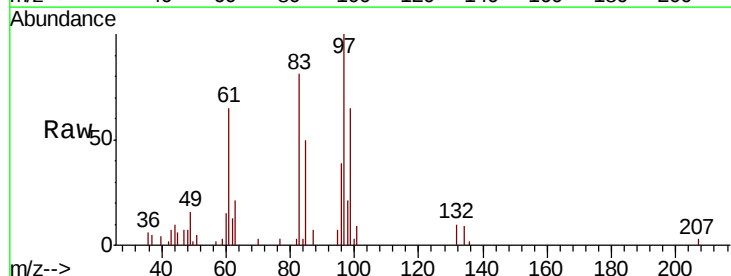
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

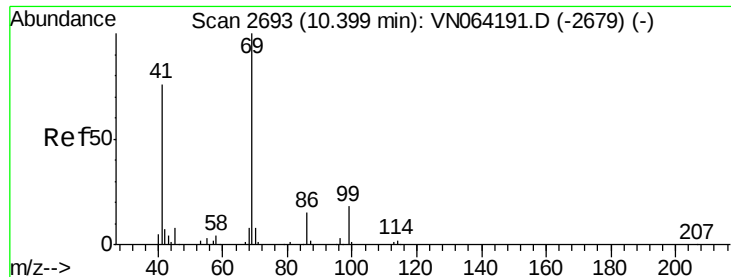
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.5	36.7
39	59.7	43.8	65.8



#50
 1,1,2-Trichloroethane
 Concen: 4.872 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064259.D
 Acq: 22 Oct 2020 18:54

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.0	67.7	101.5
85	50.1	43.2	64.8
99	63.0	49.2	73.8





#51

Ethyl methacrylate

Concen: 4.531 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

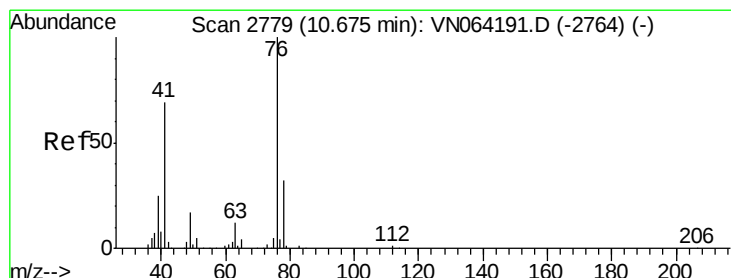
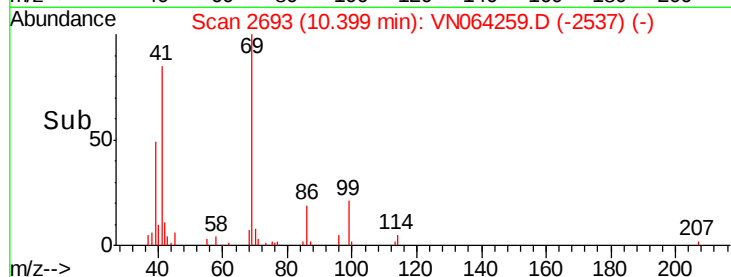
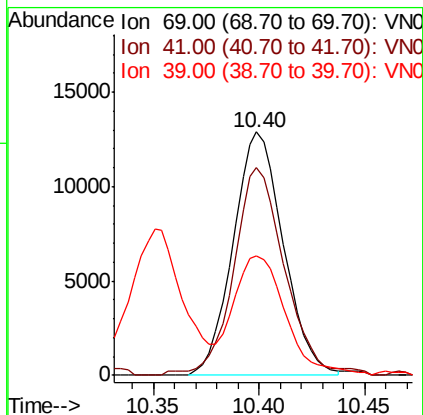
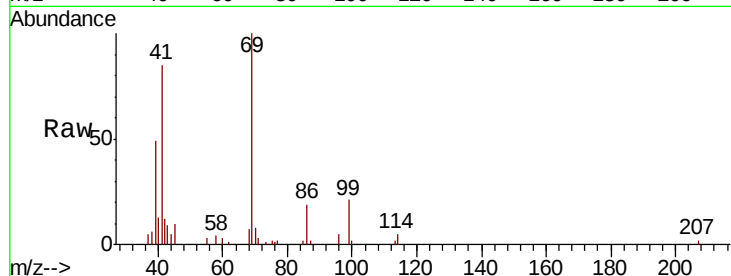
Tot Ion: 69 Resp: 21289

Ion Ratio Lower Upper

69 100

41 83.4 38.0 114.1

39 46.1 21.4 64.3



#52

1,3-Dichloropropane

Concen: 5.132 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064259.D

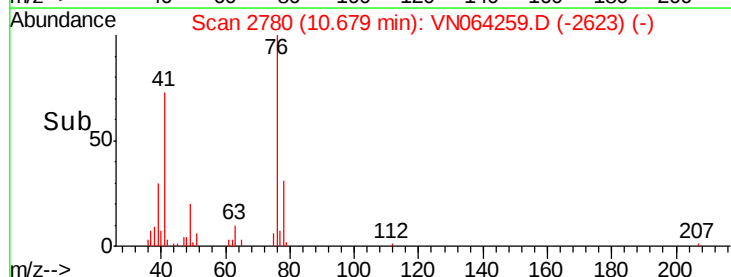
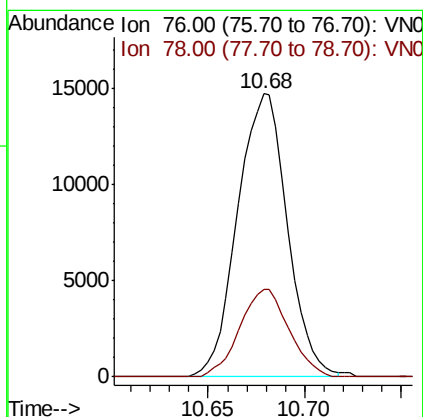
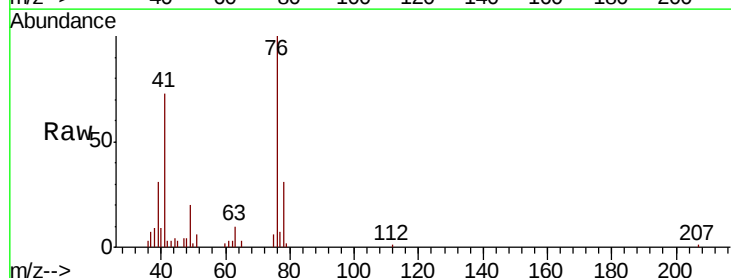
Acq: 22 Oct 2020 18:54

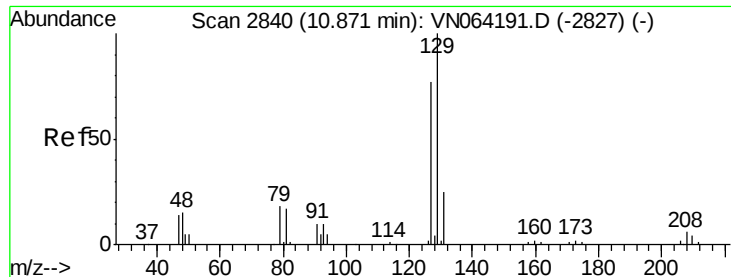
Tgt Ion: 76 Resp: 26288

Ion Ratio Lower Upper

76 100

78 30.6 0.0 64.4

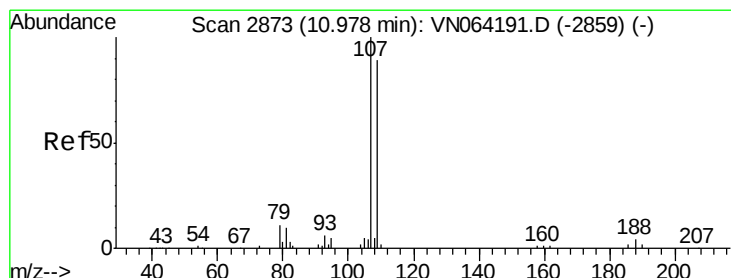
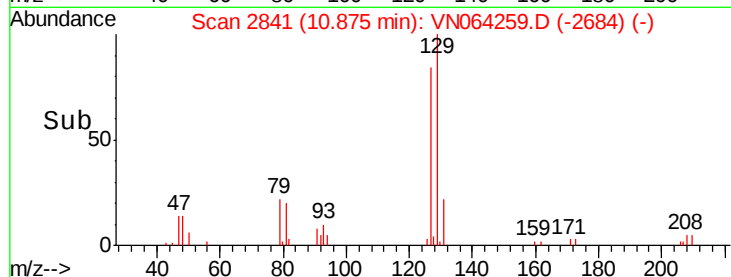
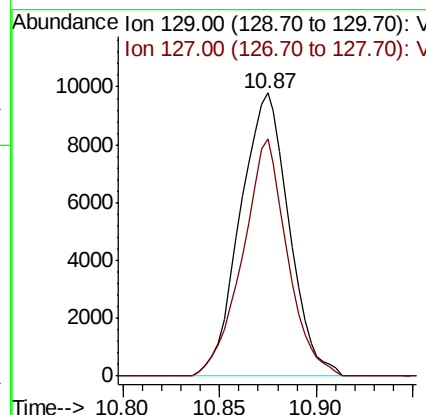
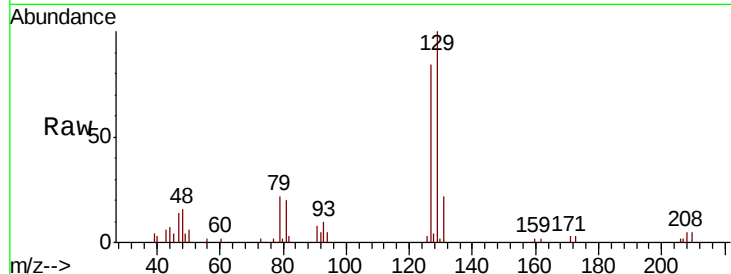




#53
 Dibromochloromethane
 Concen: 4.594 ug/l
 RT: 10.87 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VN064259.D
 Acq: 22 Oct 2020 18:54

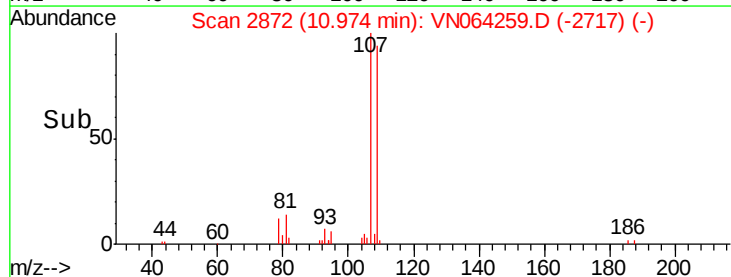
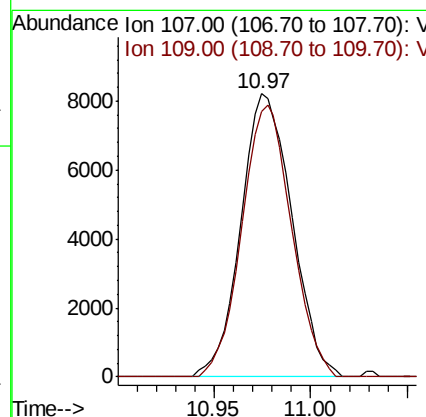
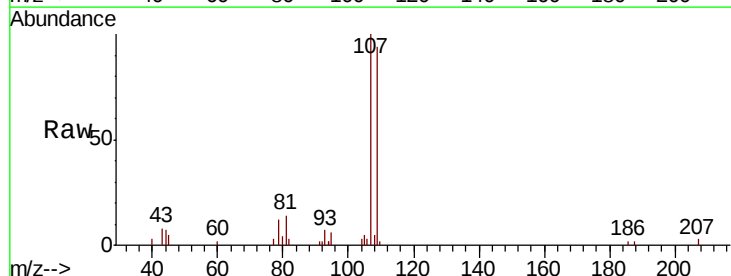
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

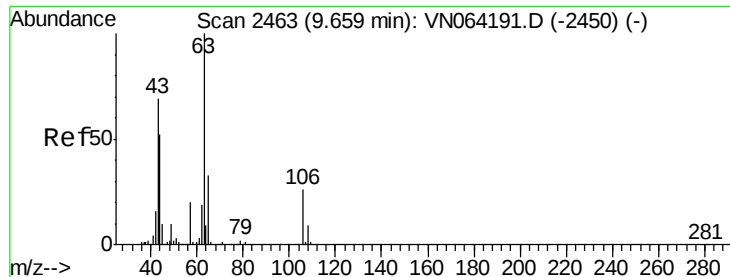
Tot Ion:129 Resp: 17180
 Ion Ratio Lower Upper
 129 100
 127 77.1 39.0 117.0



#54
 1,2-Dibromoethane
 Concen: 4.768 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064259.D
 Acq: 22 Oct 2020 18:54

Tgt Ion:107 Resp: 15058
 Ion Ratio Lower Upper
 107 100
 109 93.4 71.8 107.8

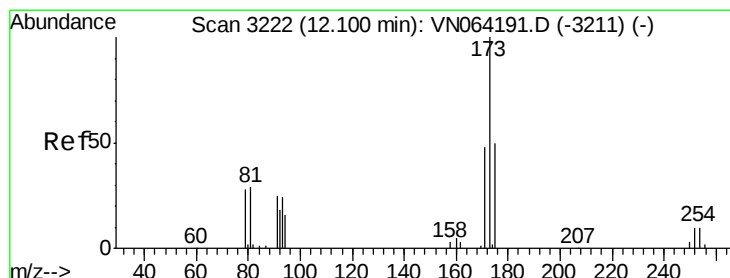
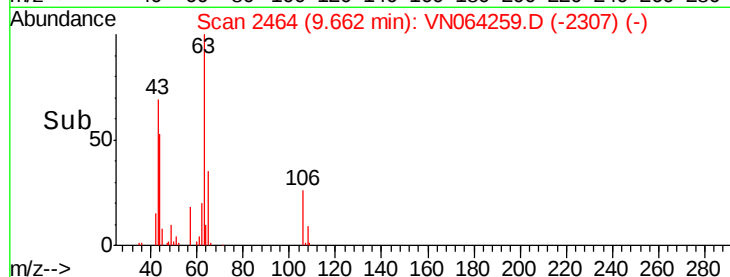
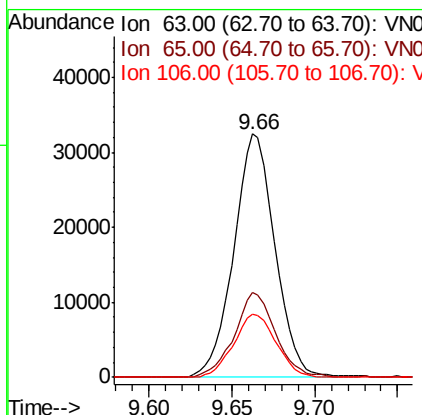
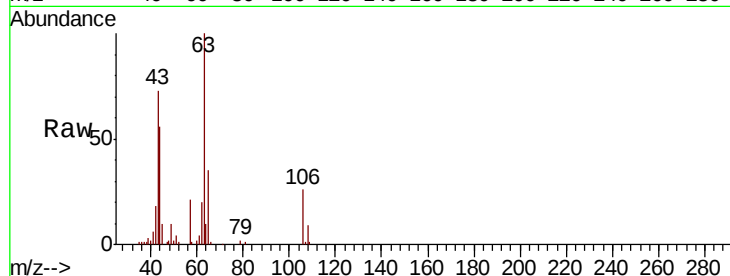




#55
 2-Chloroethyl vinyl ether
 Concen: 24.267 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064259.D
 Acq: 22 Oct 2020 18:54

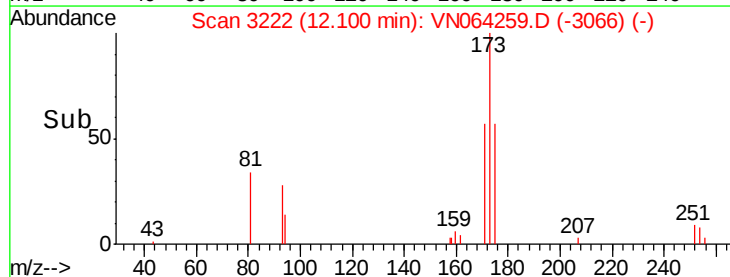
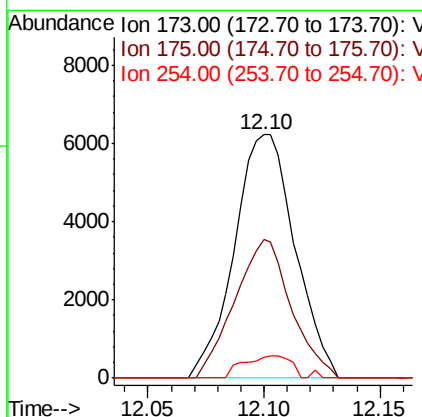
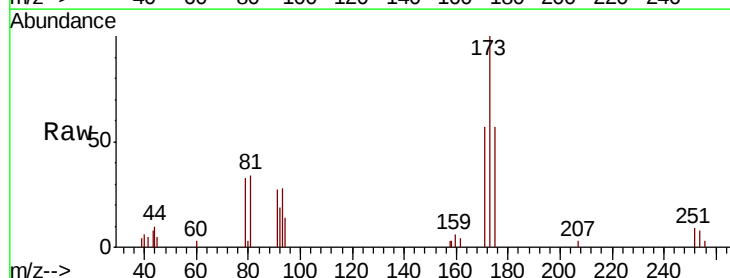
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

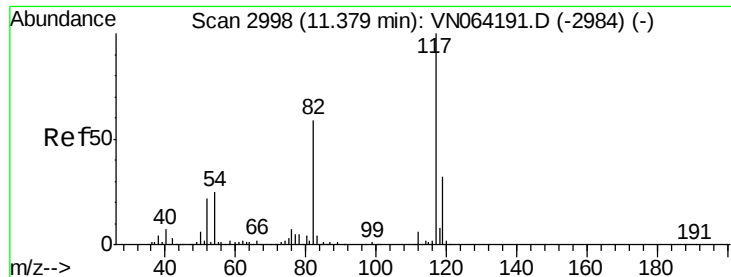
Tot Ion: 63 Resp: 56034
 Ion Ratio Lower Upper
 63 100
 65 34.5 25.9 38.9
 106 26.6 21.4 32.2



#56
 Bromoform
 Concen: 4.333 ug/l
 RT: 12.10 min Scan# 3222
 Delta R.T. 0.00 min
 Lab File: VN064259.D
 Acq: 22 Oct 2020 18:54

Tgt Ion: 173 Resp: 11284
 Ion Ratio Lower Upper
 173 100
 175 53.0 39.0 58.4
 254 7.1 6.8 10.2

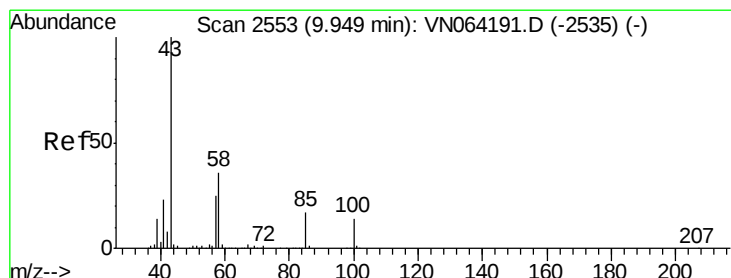
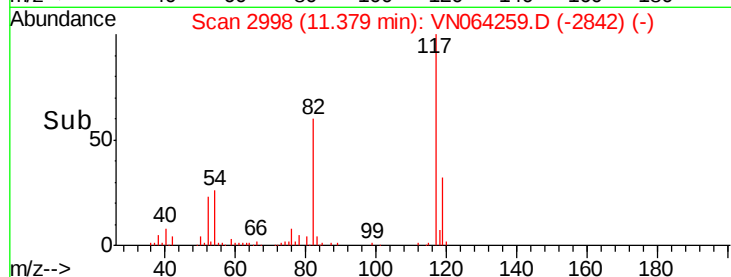
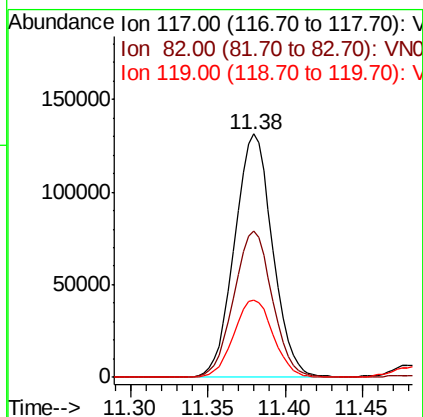
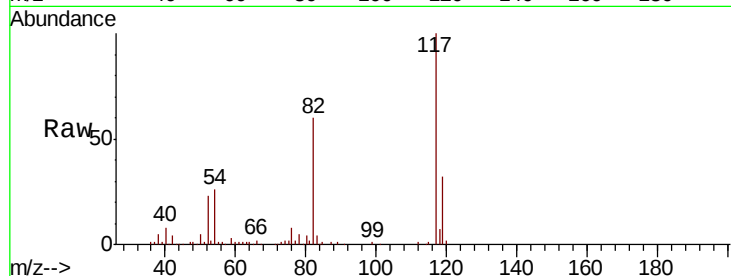




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064259.D
Acq: 22 Oct 2020 18:54

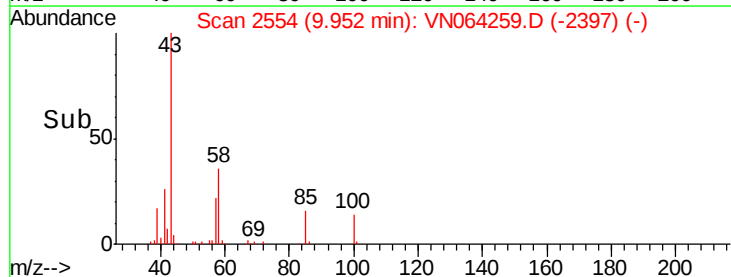
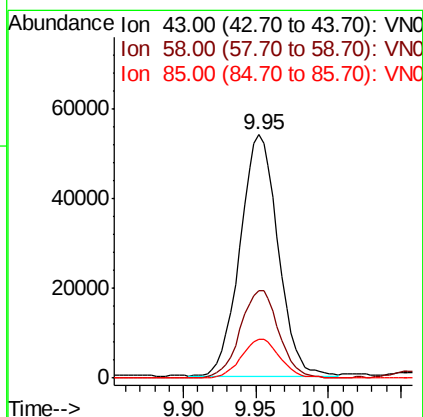
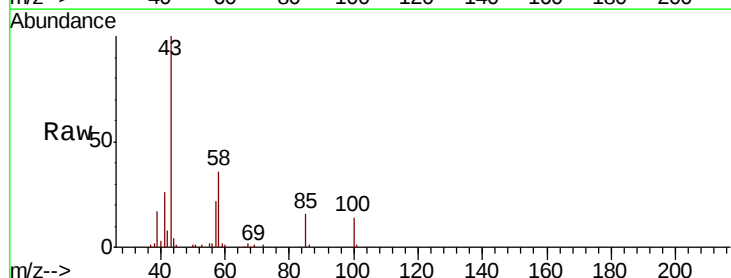
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

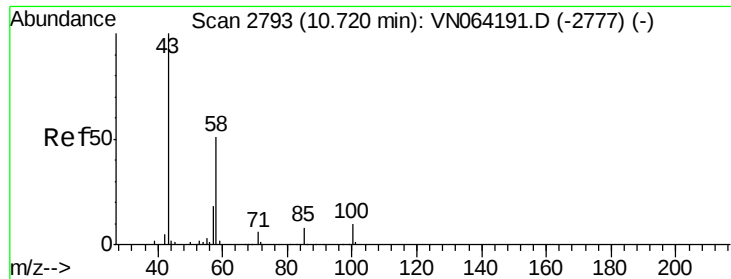
Tot Ion	Ratio	Lower	Upper
117	100		
82	61.1	47.8	71.8
119	33.0	25.7	38.5



#58
4-Methyl-2-Pentanone
Concen: 25.592 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064259.D
Acq: 22 Oct 2020 18:54

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.0	29.5	44.3
85	16.6	13.7	20.5

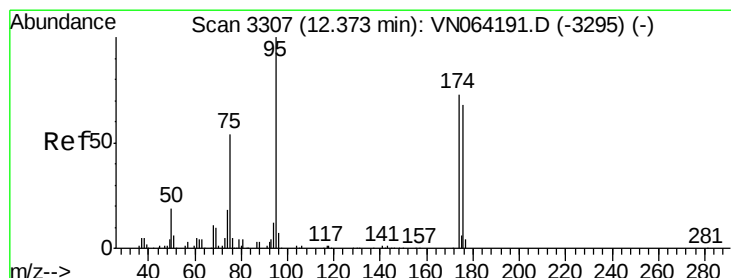
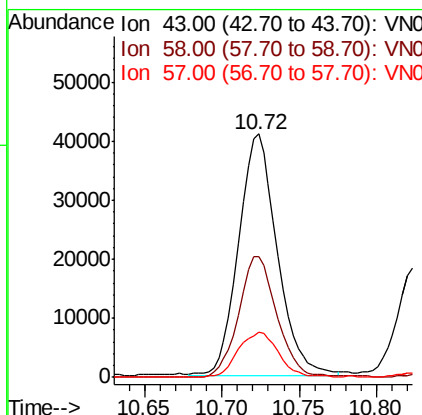
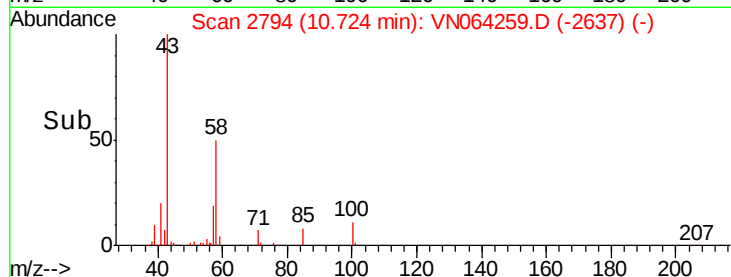
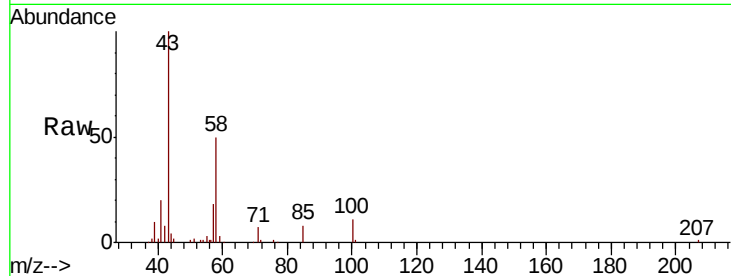




#59
2-Hexanone
Concen: 25.030 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064259.D
Acq: 22 Oct 2020 18:54

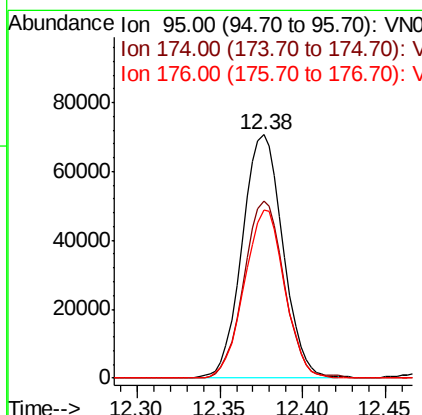
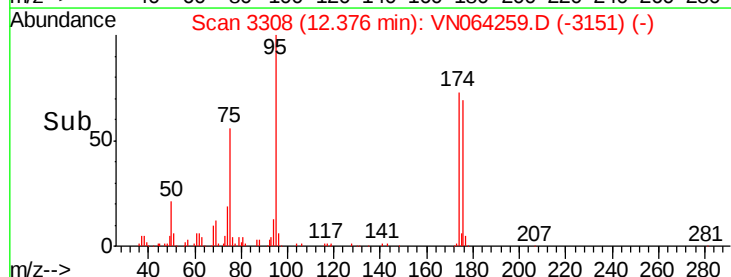
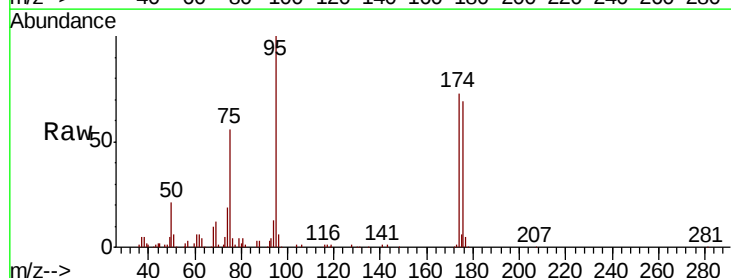
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

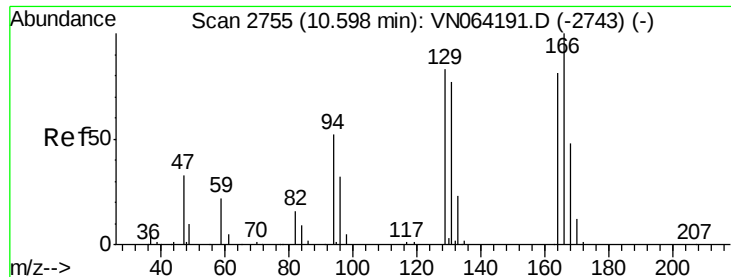
Tot Ion: 43 Resp: 70732
Ion Ratio Lower Upper
43 100
58 49.6 40.2 60.4
57 19.3 14.8 22.2



#60
4-Bromofluorobenzene
Concen: 30.018 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064259.D
Acq: 22 Oct 2020 18:54

Tgt Ion: 95 Resp: 120838
Ion Ratio Lower Upper
95 100
174 72.0 57.6 86.4
176 68.4 54.9 82.3





#61

Tetrachloroethene

Concen: 5.311 ug/l

RT: 10.60 min Scan# 2757

Delta R.T. 0.01 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:164 Resp: 16082

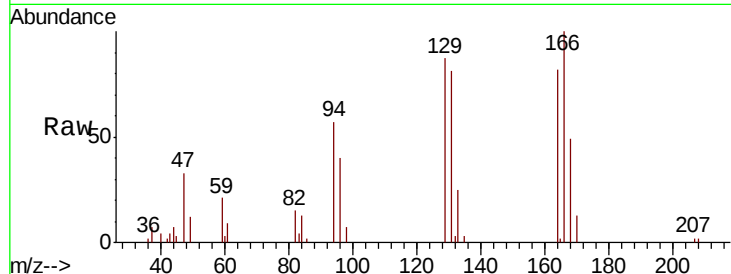
Ion Ratio Lower Upper

164 100

166 122.1 99.2 148.8

129 106.0 82.8 124.2

131 99.5 76.2 114.4

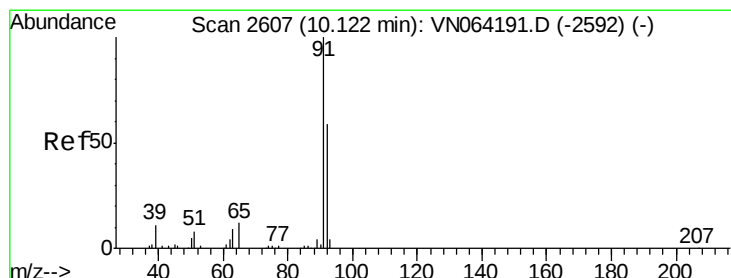
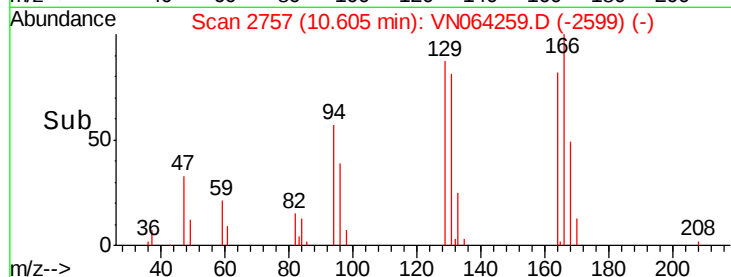
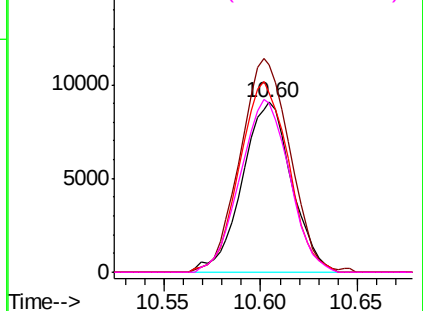


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 5.030 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064259.D

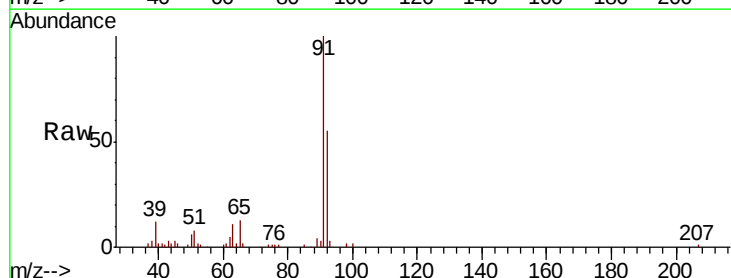
Acq: 22 Oct 2020 18:54

Tgt Ion: 91 Resp: 64600

Ion Ratio Lower Upper

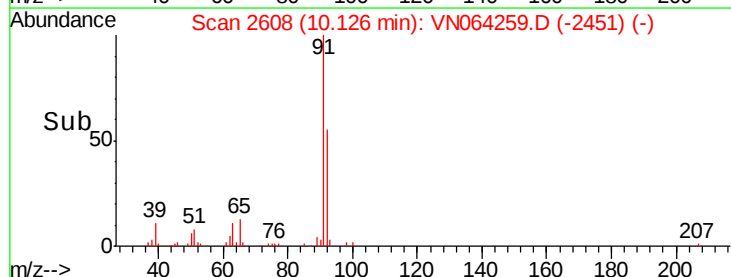
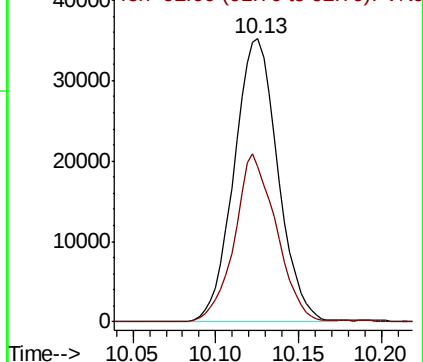
91 100

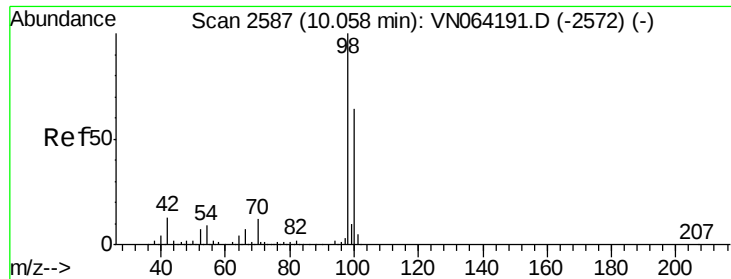
92 56.5 46.8 70.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.678 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

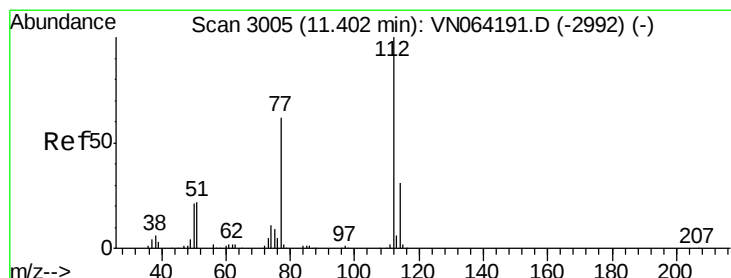
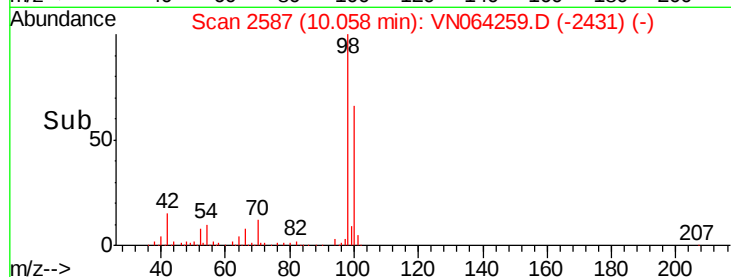
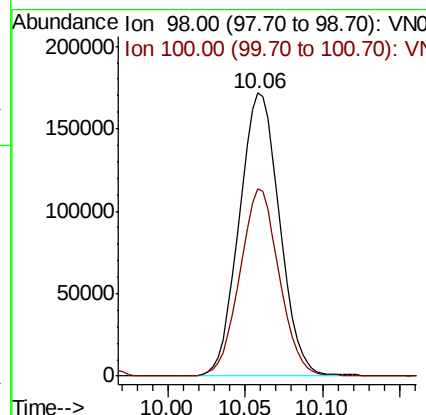
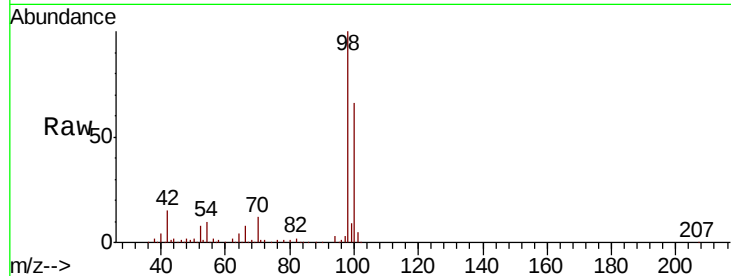
LOQ-WATER-02-QT4-2020

Tot Ion: 98 Resp: 311995

Ion Ratio Lower Upper

98 100

100 64.6 51.4 77.2



#64

Chlorobenzene

Concen: 4.994 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064259.D

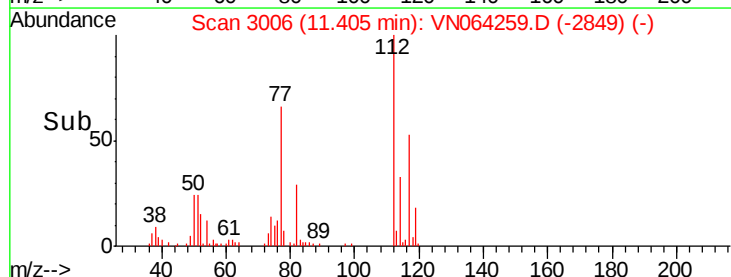
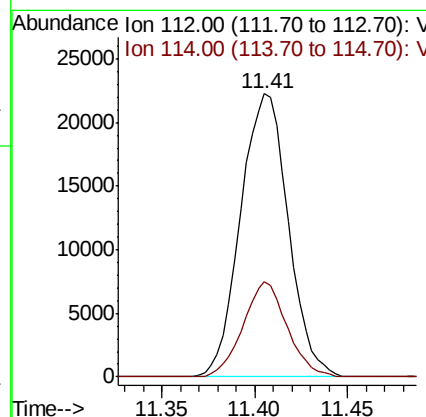
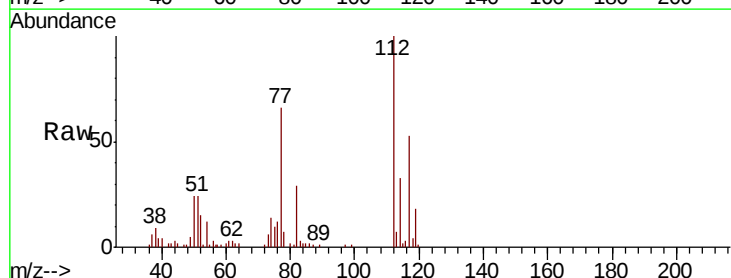
Acq: 22 Oct 2020 18:54

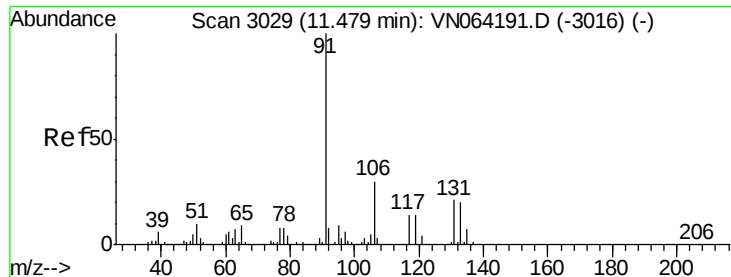
Tgt Ion: 112 Resp: 39937

Ion Ratio Lower Upper

112 100

114 33.5 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 5.156 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

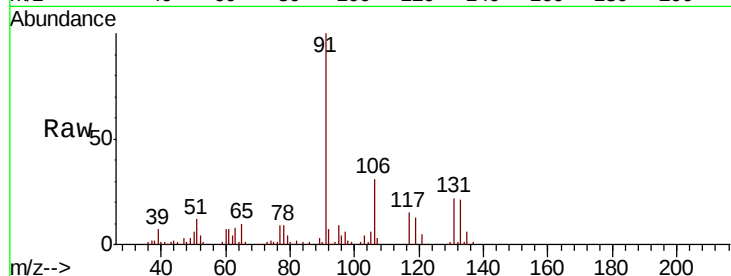
Tot Ion:131 Resp: 16156

Ion Ratio Lower Upper

131 100

133 99.0 0.0 193.0

119 58.7 0.0 132.2



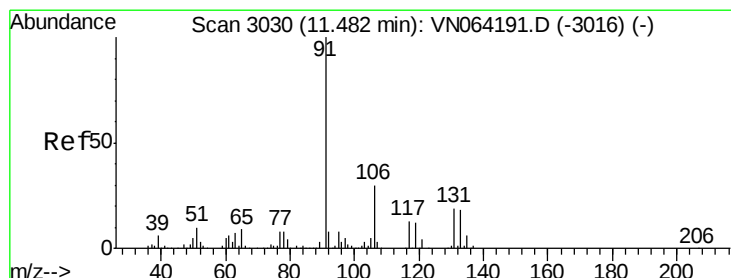
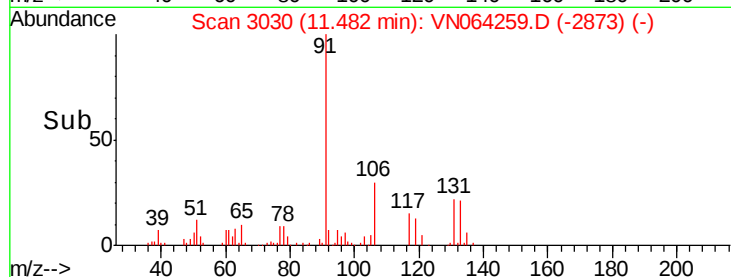
Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

11.48

Time-->



#66

Ethyl Benzene

Concen: 4.840 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064259.D

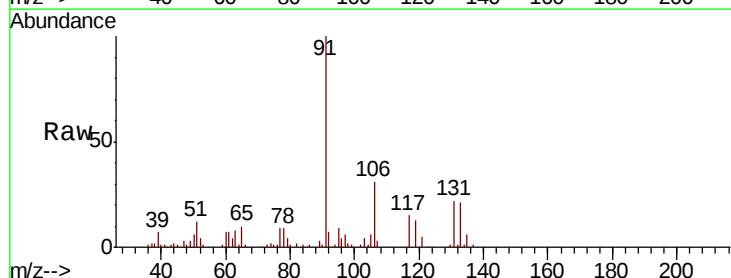
Acq: 22 Oct 2020 18:54

Tgt Ion: 91 Resp: 71460

Ion Ratio Lower Upper

91 100

106 30.9 23.9 35.9

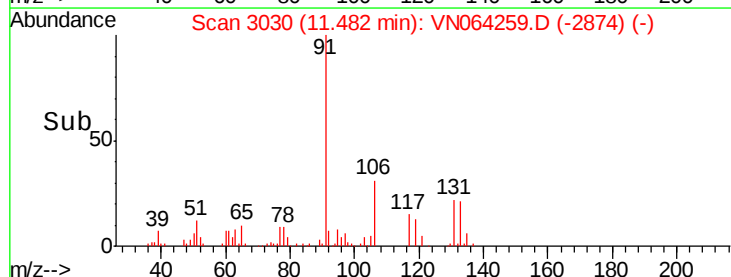


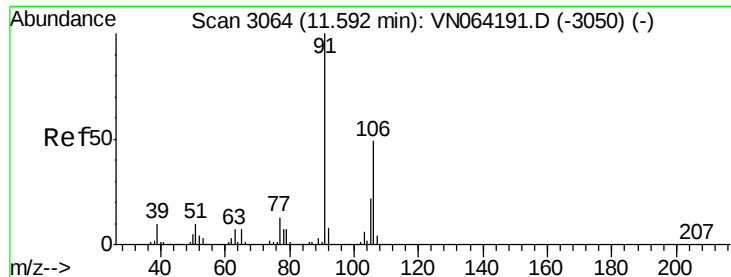
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

11.48

Time-->

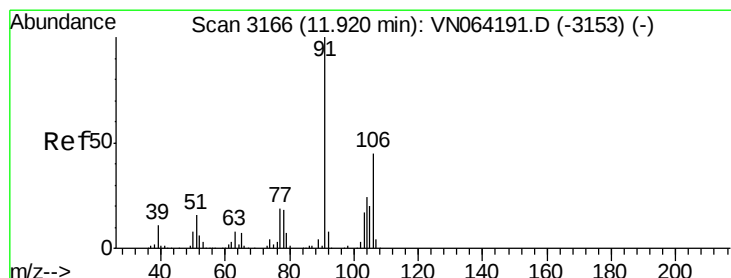
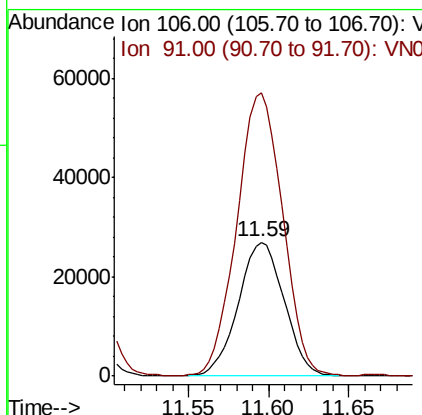
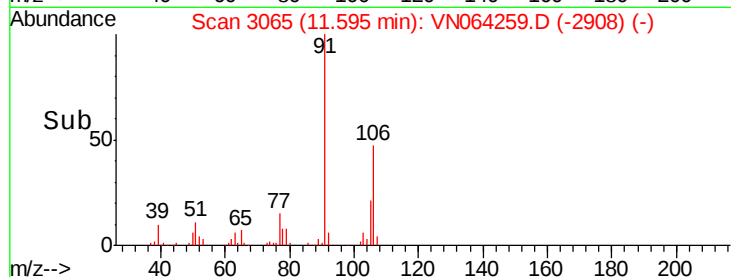
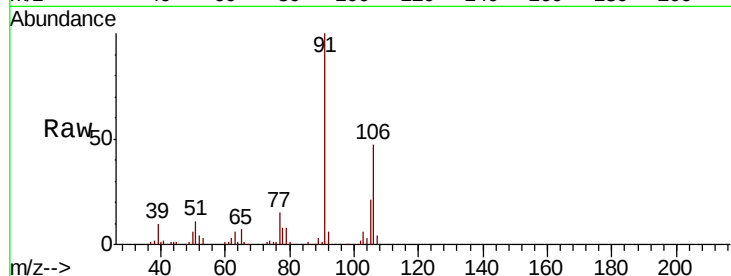




#67
m/p-Xylenes
Concen: 9.667 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064259.D
Acq: 22 Oct 2020 18:54

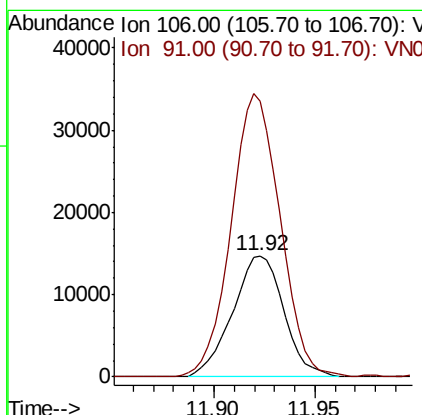
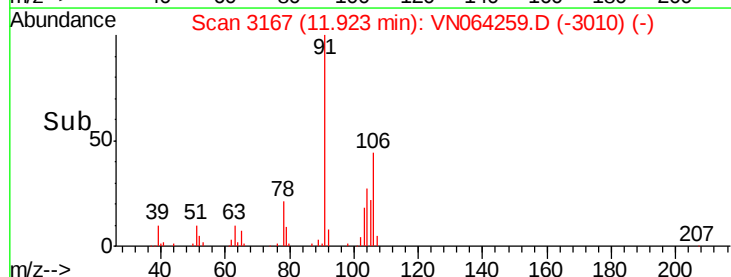
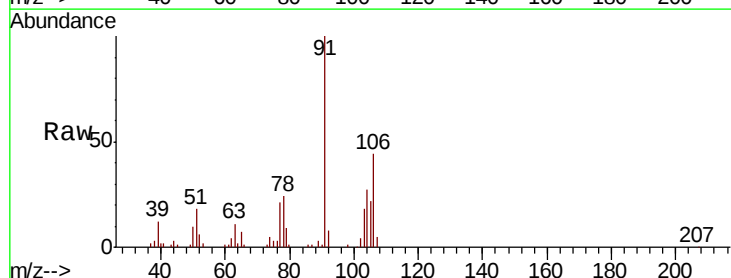
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

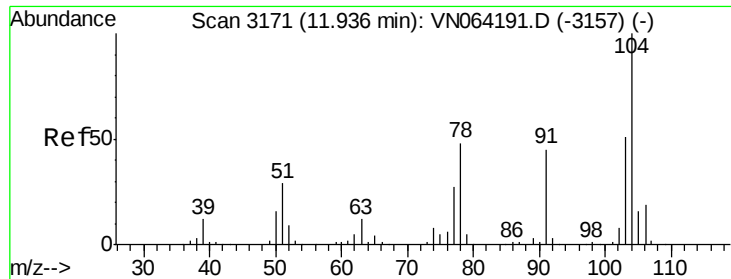
Tot Ion:106 Resp: 53081
Ion Ratio Lower Upper
106 100
91 211.0 167.9 251.9



#68
o-Xylene
Concen: 4.904 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064259.D
Acq: 22 Oct 2020 18:54

Tgt Ion:106 Resp: 26131
Ion Ratio Lower Upper
106 100
91 224.1 113.9 341.7

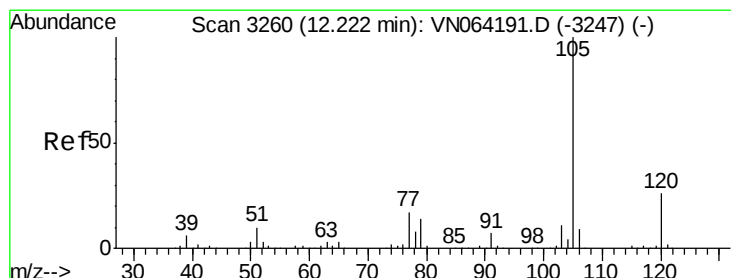
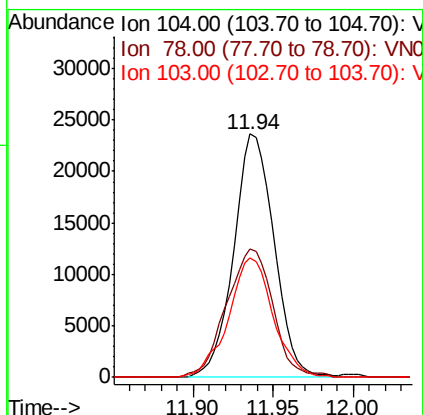
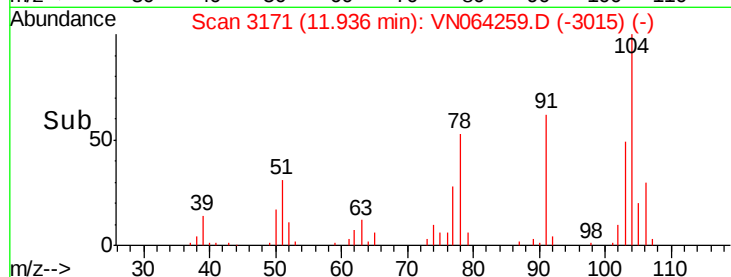
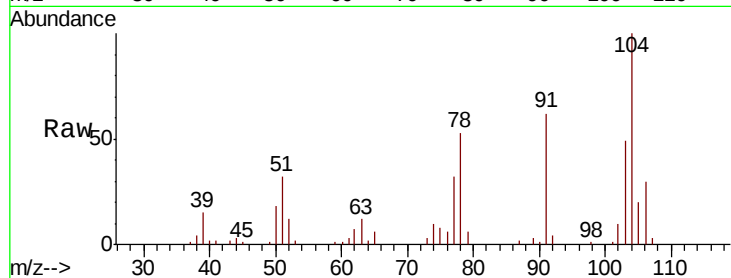




#69
Stvrene
Concen: 4.507 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064259.D
Acq: 22 Oct 2020 18:54

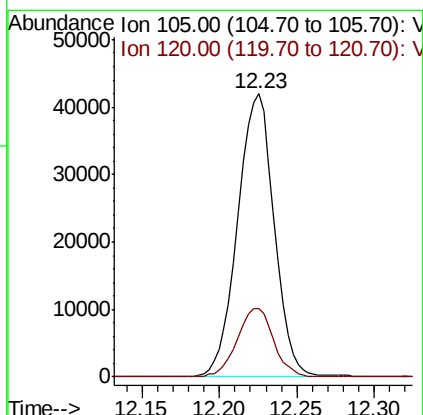
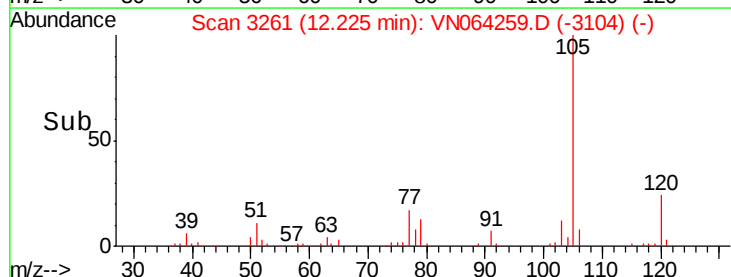
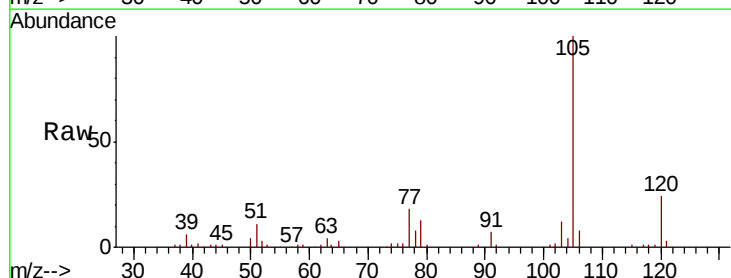
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

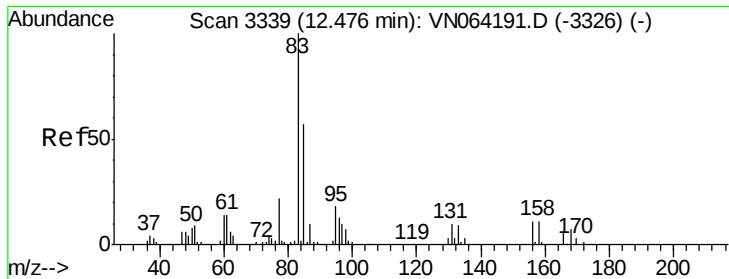
Tot Ion:104 Resp: 40627
Ion Ratio Lower Upper
104 100
78 60.4 43.6 65.4
103 54.1 44.8 67.2



#70
Isopropylbenzene
Concen: 4.919 ug/l
RT: 12.23 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN064259.D
Acq: 22 Oct 2020 18:54

Tgt Ion:105 Resp: 69229
Ion Ratio Lower Upper
105 100
120 23.9 18.1 33.7





#71

1,1,2,2-Tetrachloroethane

Concen: 5.012 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

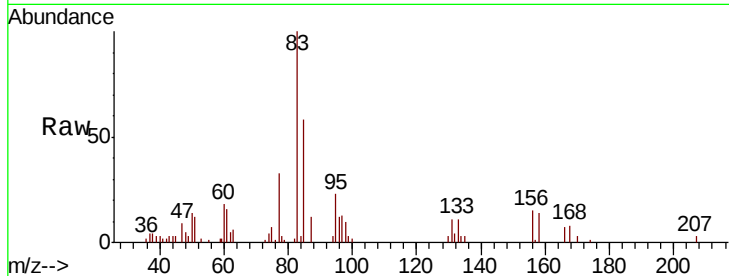
Tot Ion: 83 Resp: 19329

Ion Ratio Lower Upper

83 100

131 11.2 5.5 16.4

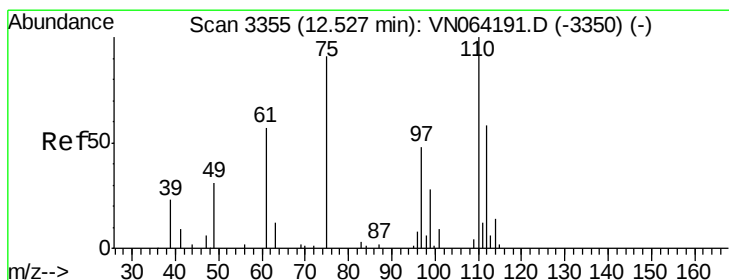
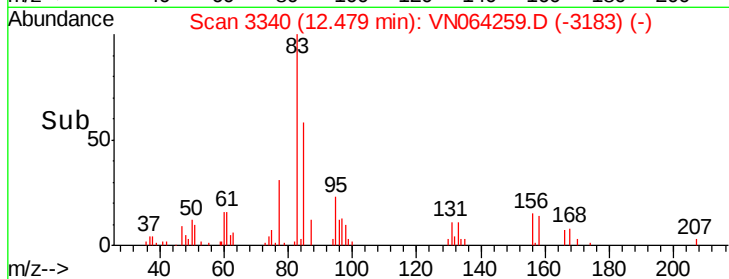
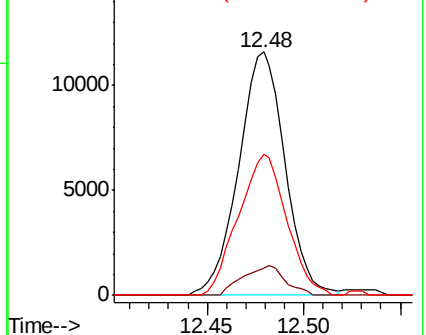
85 60.2 30.8 92.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 7.014 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064259.D

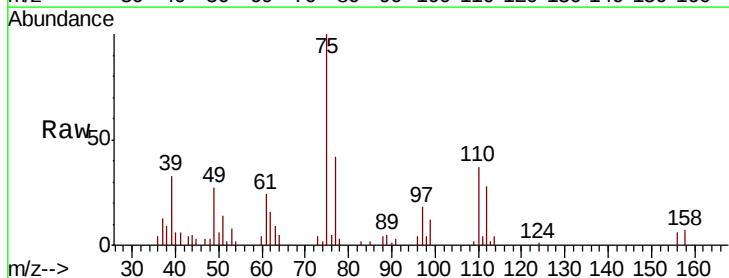
Acq: 22 Oct 2020 18:54

Tgt Ion: 75 Resp: 28225

Ion Ratio Lower Upper

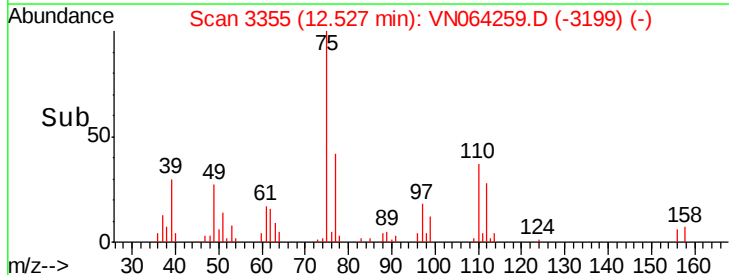
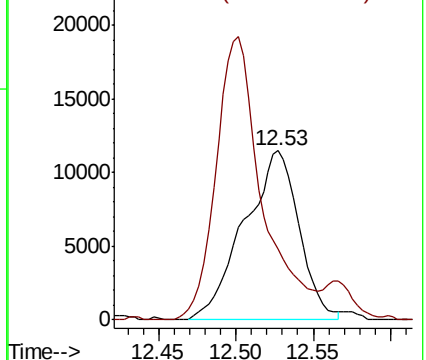
75 100

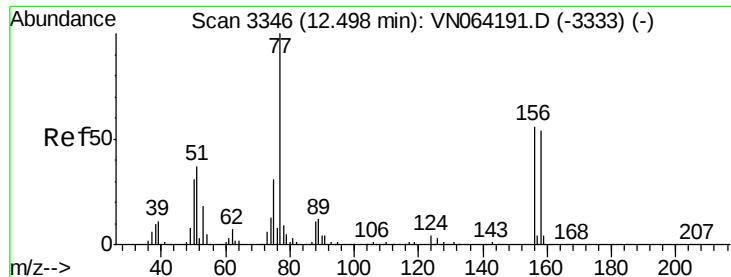
77 140.8 0.0 417.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 4.983 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

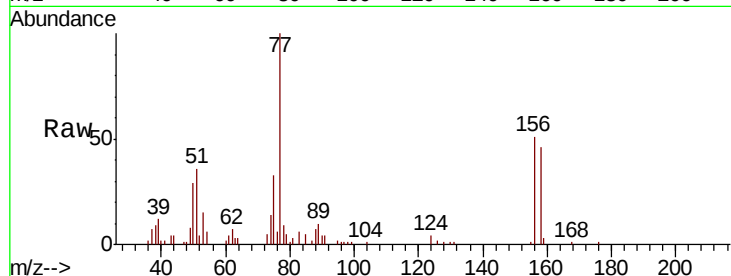
Tot Ion:156 Resp: 16911

Ion Ratio Lower Upper

156 100

77 235.0 0.0 429.8

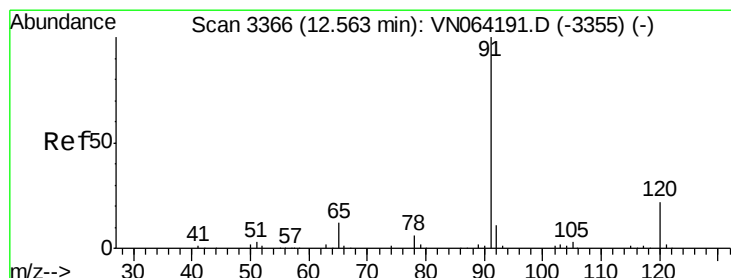
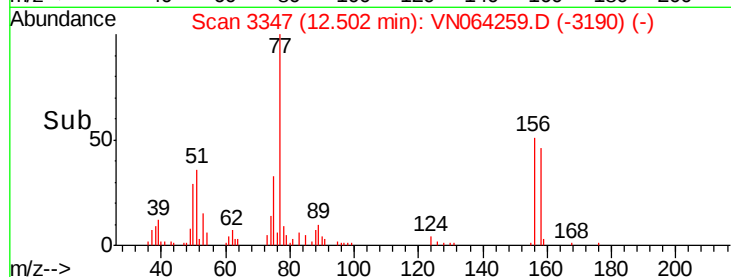
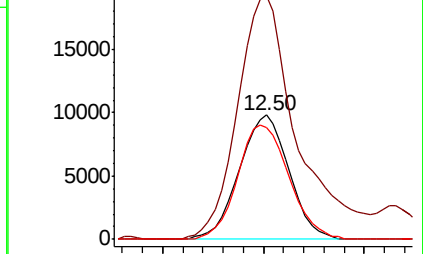
158 95.2 0.0 190.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 4.682 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064259.D

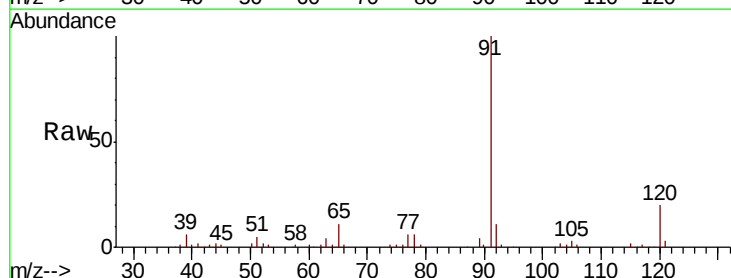
Acq: 22 Oct 2020 18:54

Tgt Ion: 91 Resp: 75198

Ion Ratio Lower Upper

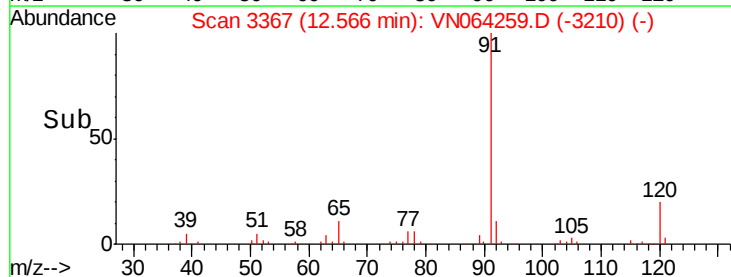
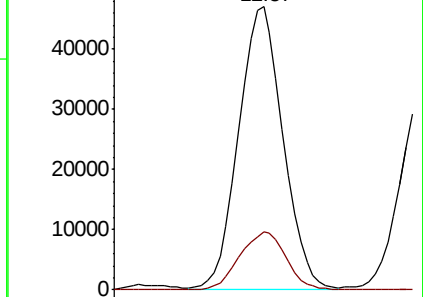
91 100

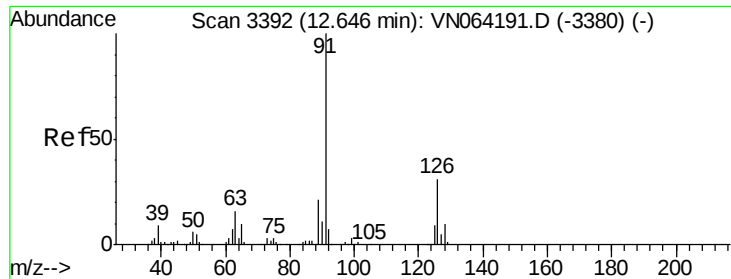
120 21.3 0.0 43.8



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 5.200 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

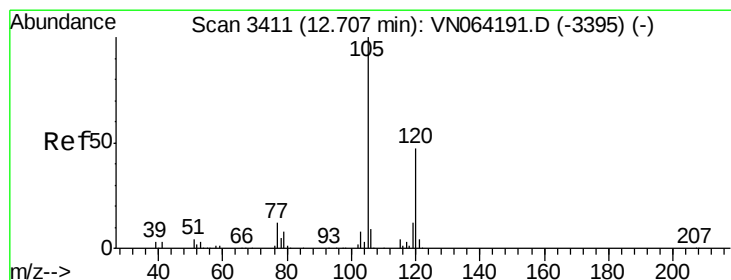
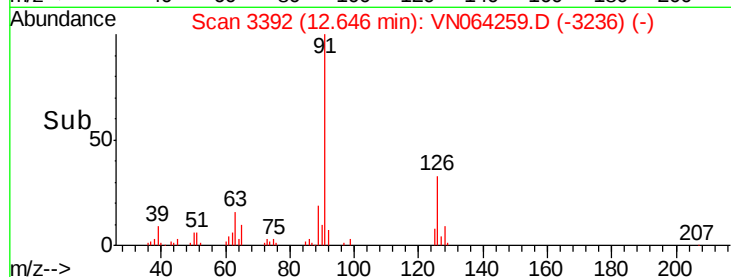
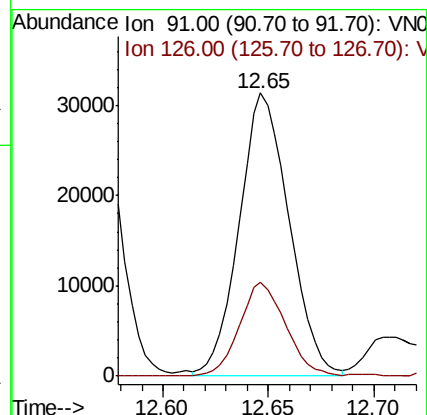
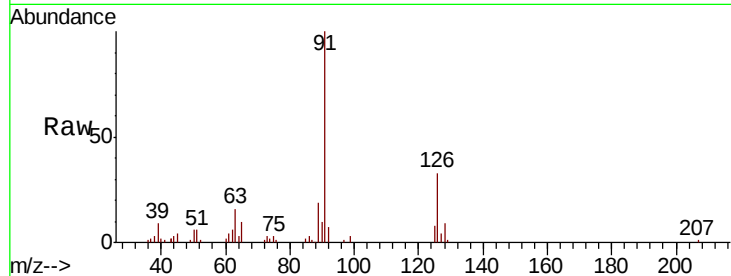
LOQ-WATER-02-QT4-2020

Tot Ion: 91 Resp: 51706

Ion Ratio Lower Upper

91 100

126 30.5 0.0 62.4



#76

1,3,5-Trimethylbenzene

Concen: 4.709 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064259.D

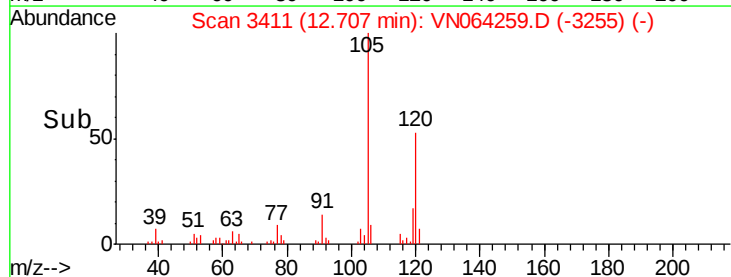
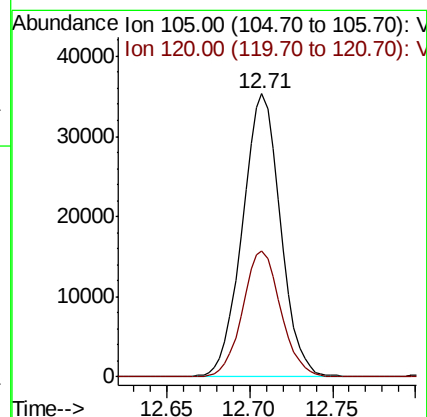
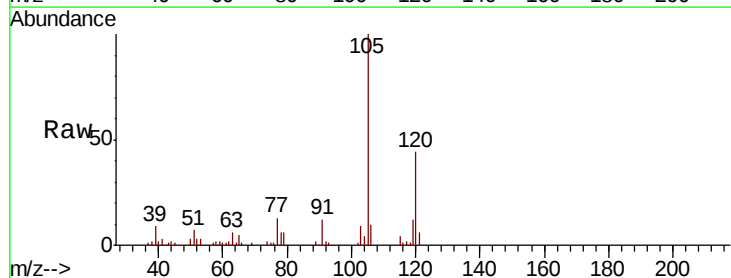
Acq: 22 Oct 2020 18:54

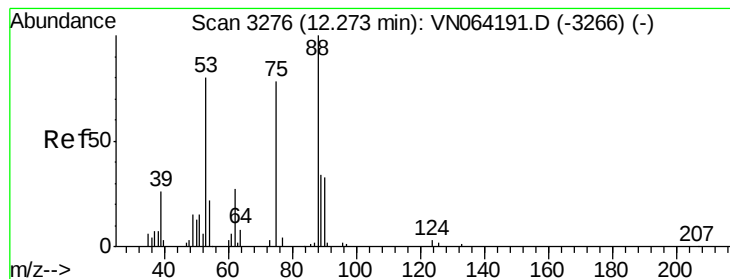
Tgt Ion: 105 Resp: 56392

Ion Ratio Lower Upper

105 100

120 44.5 0.0 95.0





#77

t-1,4-Dichloro-2-butene

Concen: 4.712 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

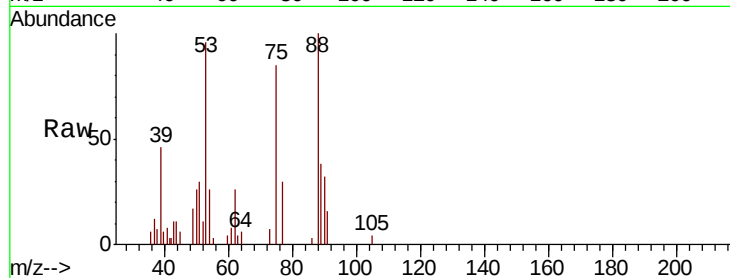
Tot Ion: 75 Resp: 7414

Ion Ratio Lower Upper

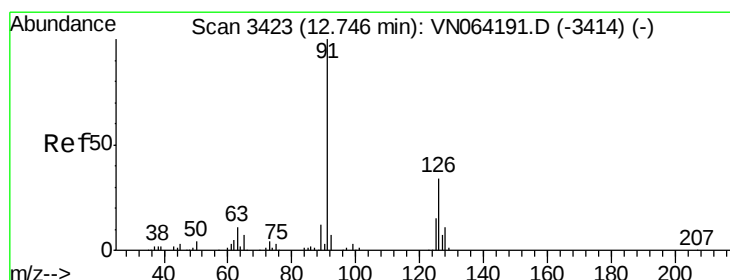
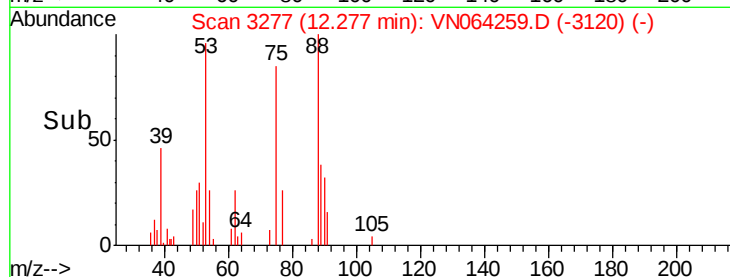
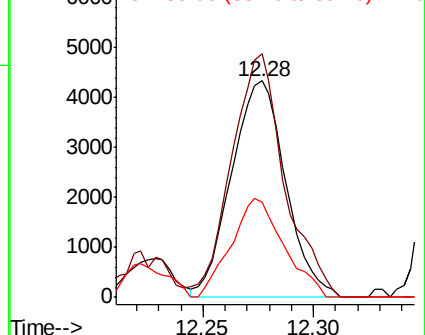
75 100

53 112.5 51.4 154.2

89 43.9 23.8 71.5



Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 4.636 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064259.D

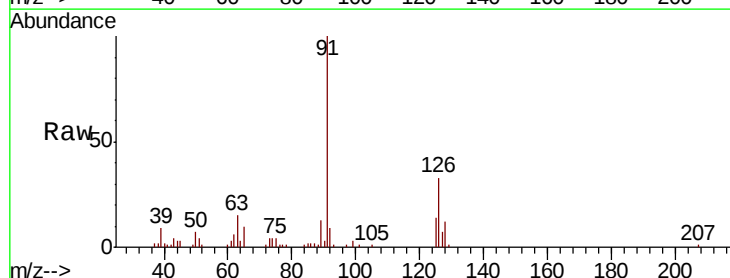
Acq: 22 Oct 2020 18:54

Tgt Ion: 91 Resp: 48211

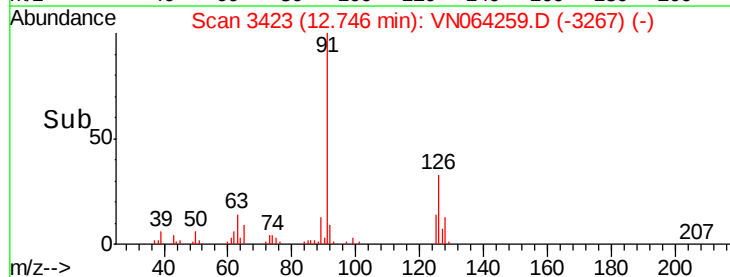
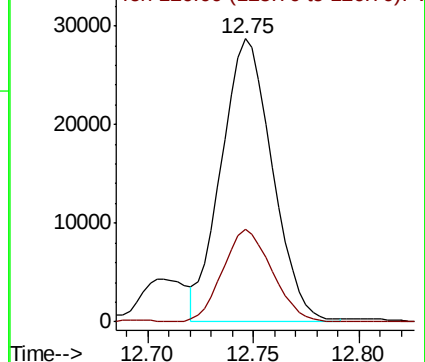
Ion Ratio Lower Upper

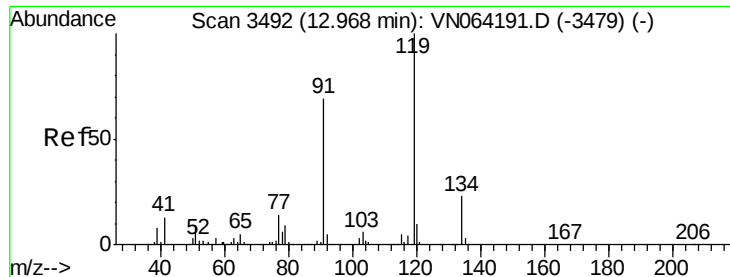
91 100

126 31.5 0.0 63.2



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 4.847 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

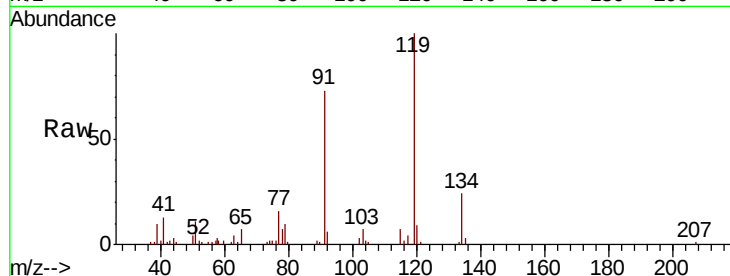
Tot Ion:119 Resp: 47449

Ion Ratio Lower Upper

119 100

91 75.0 0.0 143.2

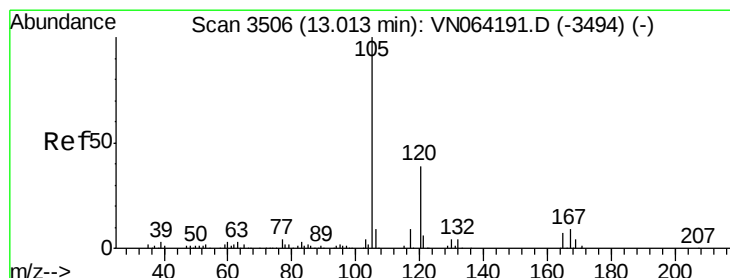
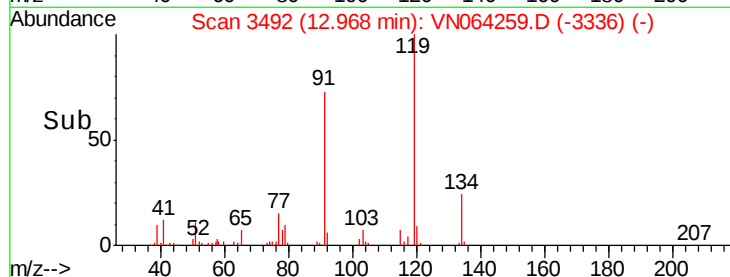
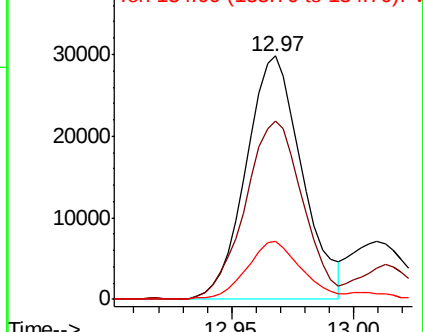
134 23.5 0.0 49.2



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



#80

1,2,4-Trimethylbenzene

Concen: 4.582 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN064259.D

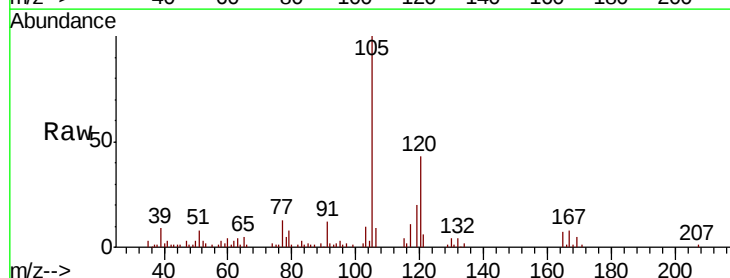
Acq: 22 Oct 2020 18:54

Tgt Ion:105 Resp: 55703

Ion Ratio Lower Upper

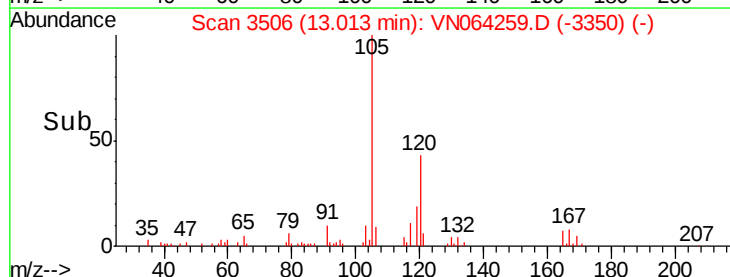
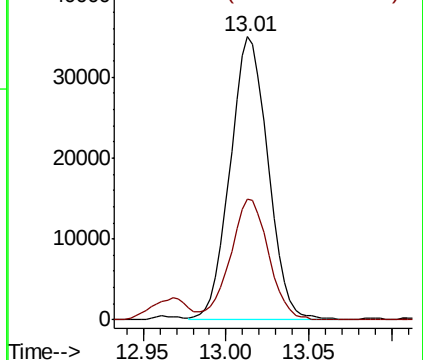
105 100

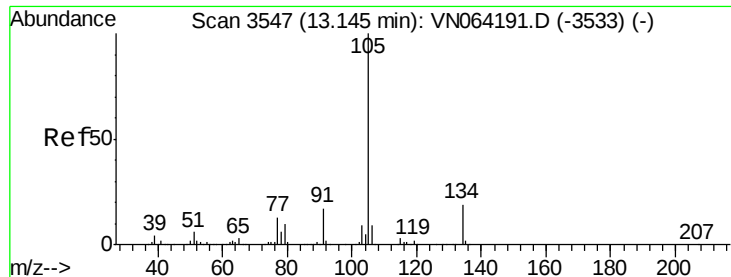
120 43.0 0.0 85.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

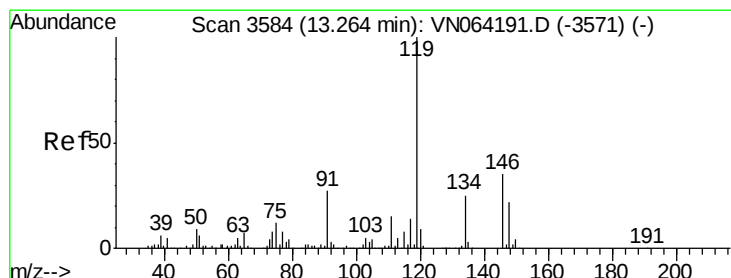
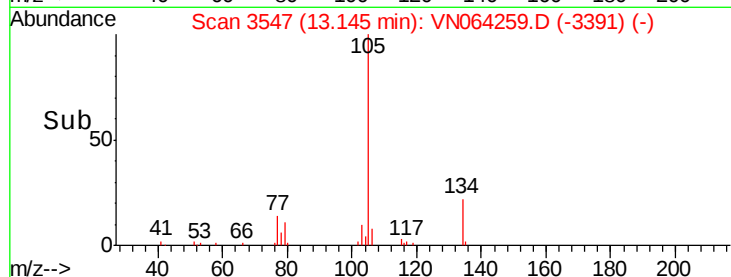
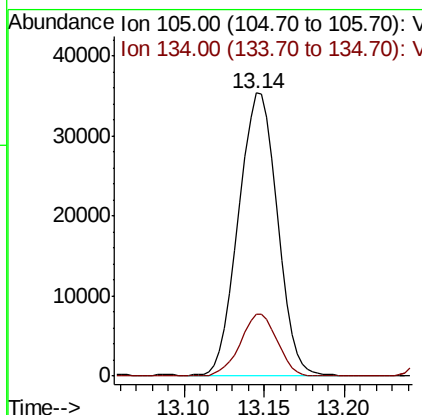
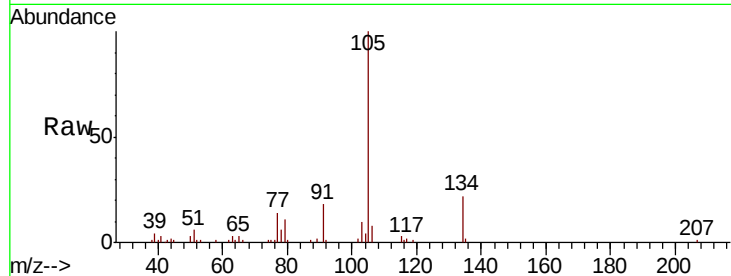




#81
 sec-Butylbenzene
 Concen: 4.628 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN064259.D
 Acq: 22 Oct 2020 18:54

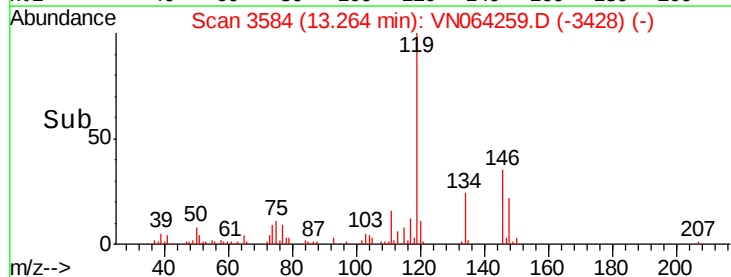
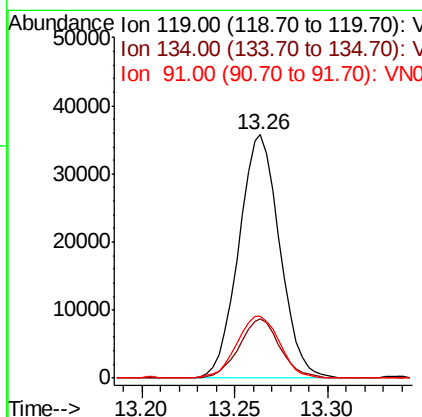
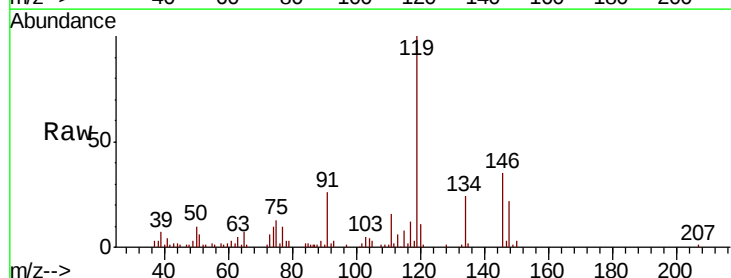
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

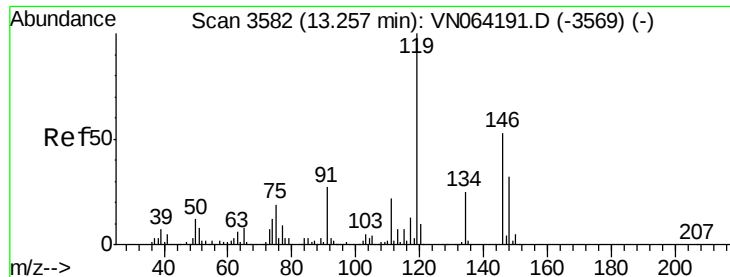
Tot Ion:105 Resp: 58950
 Ion Ratio Lower Upper
 105 100
 134 20.6 0.0 38.4



#82
 p-Isopropyltoluene
 Concen: 4.646 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064259.D
 Acq: 22 Oct 2020 18:54

Tgt Ion:119 Resp: 54775
 Ion Ratio Lower Upper
 119 100
 134 24.4 0.0 51.4
 91 26.6 0.0 52.8





#83

1,3-Dichlorobenzene

Concen: 4.514 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

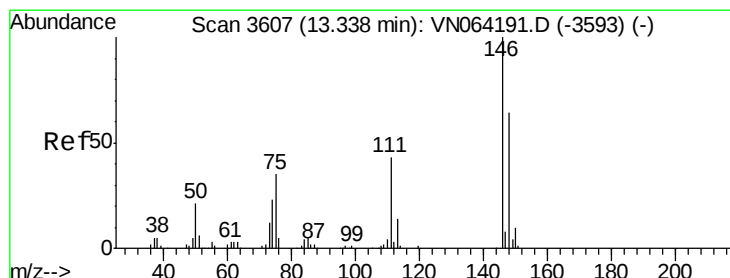
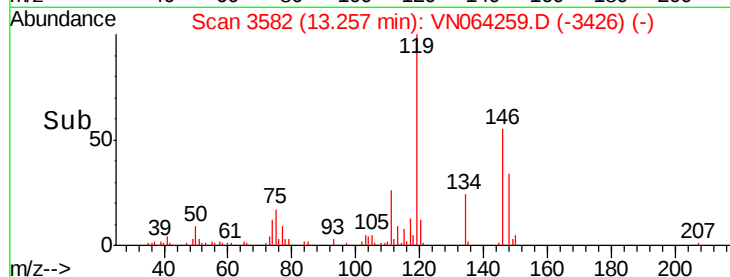
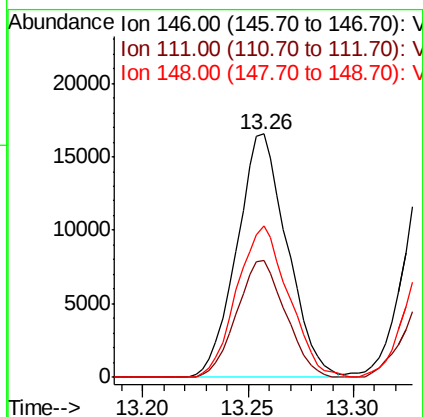
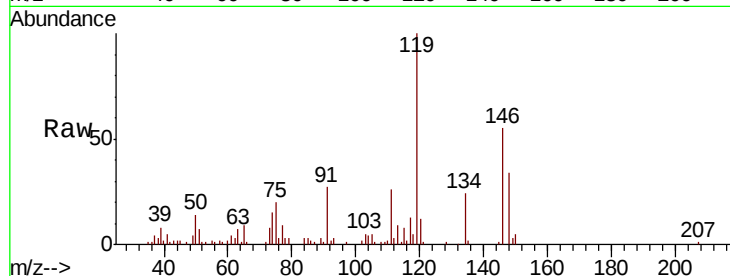
Tot Ion:146 Resp: 27458

Ion Ratio Lower Upper

146 100

111 46.3 21.8 65.4

148 63.7 31.4 94.2



#84

1,4-Dichlorobenzene

Concen: 4.553 ug/l

RT: 13.34 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

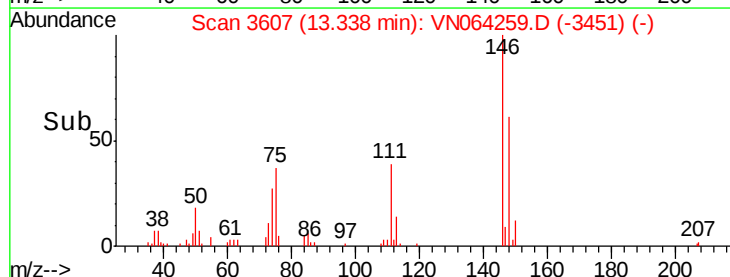
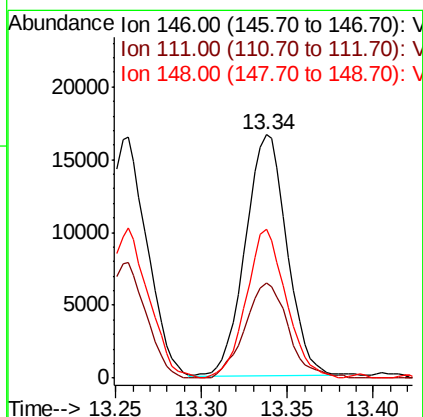
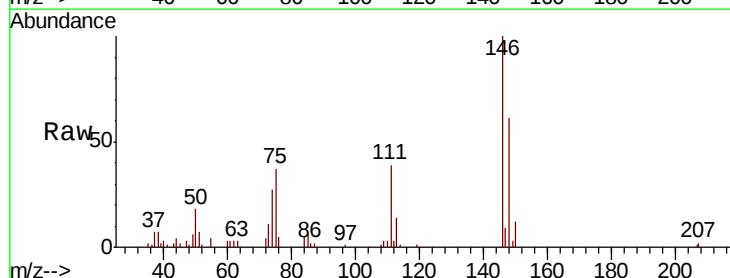
Tgt Ion:146 Resp: 27725

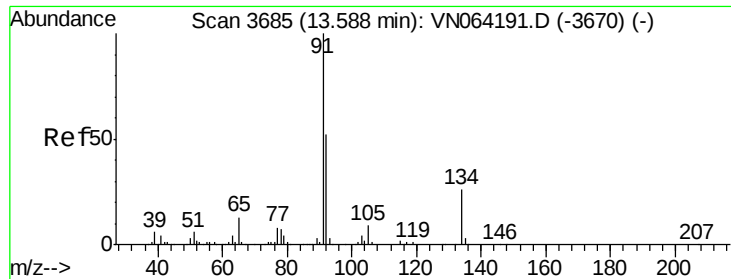
Ion Ratio Lower Upper

146 100

111 41.1 20.9 62.8

148 59.4 30.9 92.7





#85

n-Butylbenzene

Concen: 4.278 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

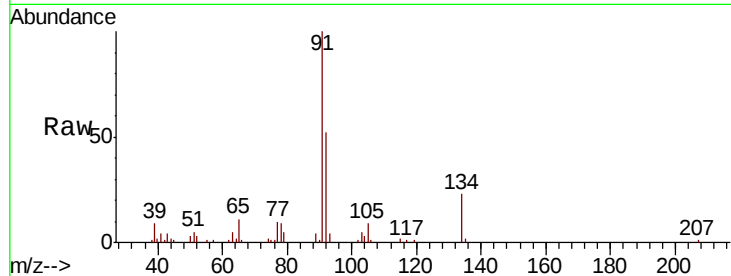
Tot Ion: 91 Resp: 44766

Ion Ratio Lower Upper

91 100

92 51.1 0.0 104.8

134 22.5 0.0 49.8

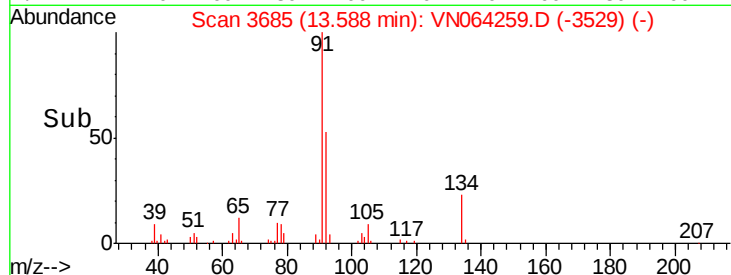


Abundance Ion 91.00 (90.70 to 91.70): VN064191.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN064191.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN064191.D (-3670) (-)

Time-->

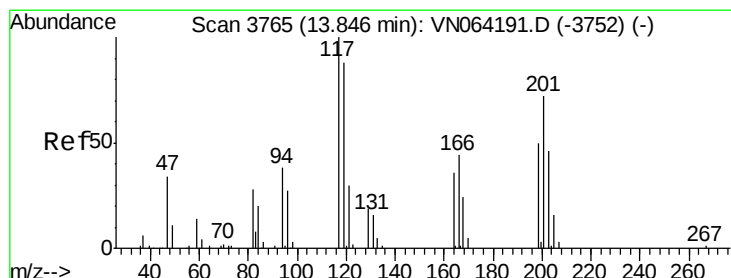


Abundance Ion 91.00 (90.70 to 91.70): VN064259.D (-3529) (-)

Ion 92.00 (91.70 to 92.70): VN064259.D (-3529) (-)

Ion 134.00 (133.70 to 134.70): VN064259.D (-3529) (-)

Time-->



#86

Hexachloroethane

Concen: 4.463 ug/l

RT: 13.85 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN064259.D

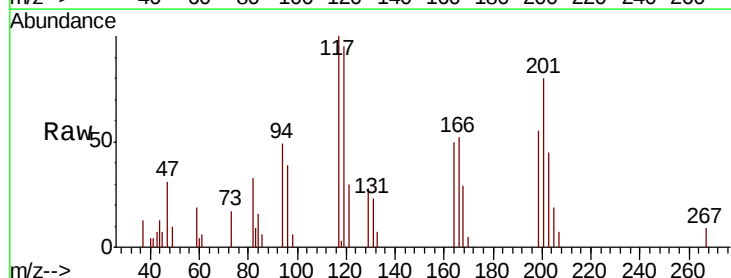
Acq: 22 Oct 2020 18:54

Tgt Ion: 117 Resp: 9058

Ion Ratio Lower Upper

117 100

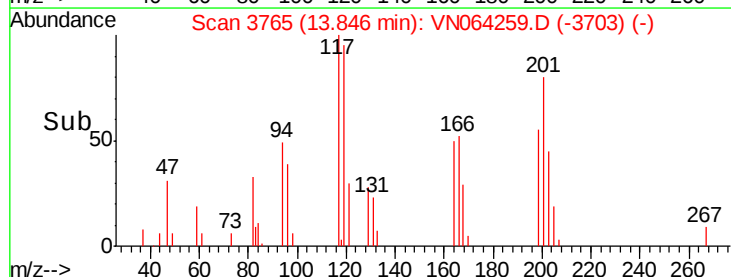
201 81.3 37.5 112.3



Abundance Ion 117.00 (116.70 to 117.70): VN064191.D (-3752) (-)

Ion 201.00 (200.70 to 201.70): VN064191.D (-3752) (-)

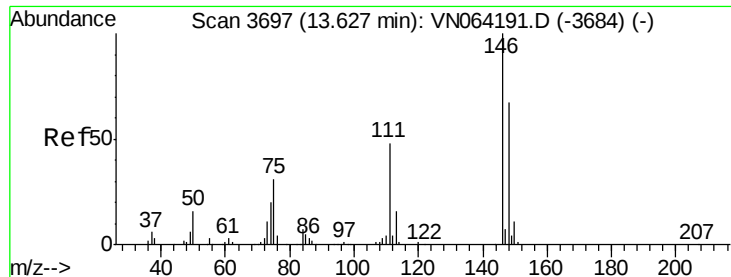
Time-->



Abundance Ion 117.00 (116.70 to 117.70): VN064259.D (-3703) (-)

Ion 201.00 (200.70 to 201.70): VN064259.D (-3703) (-)

Time-->



#87

1,2-Dichlorobenzene

Concen: 4.436 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

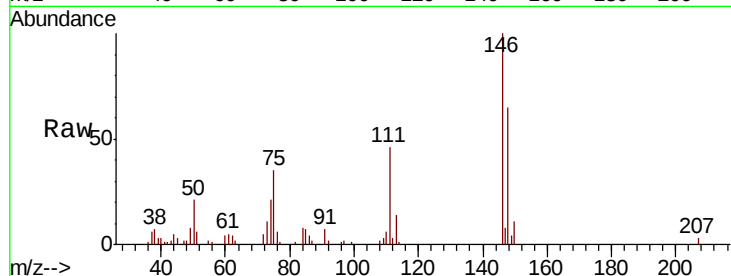
Tot Ion:146 Resp: 26316

Ion Ratio Lower Upper

146 100

111 47.3 22.6 67.8

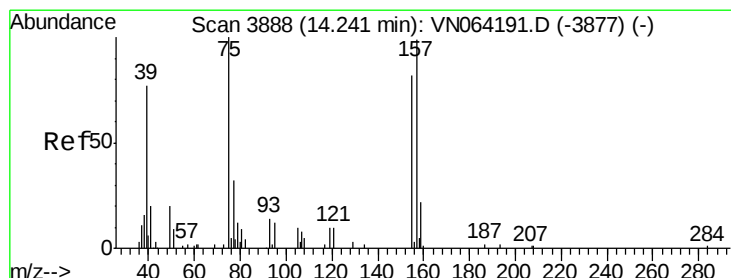
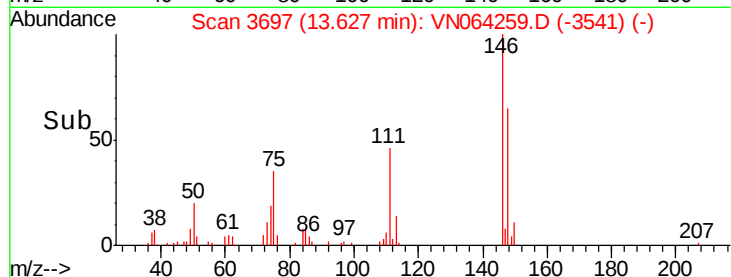
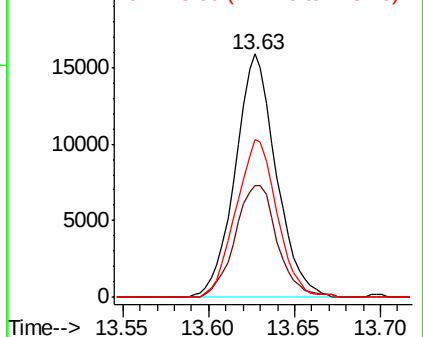
148 64.8 32.6 97.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 5.068 ug/l

RT: 14.24 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN064259.D

Acq: 22 Oct 2020 18:54

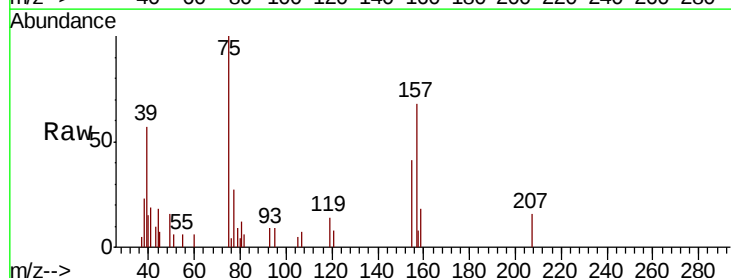
Tgt Ion: 75 Resp: 4950

Ion Ratio Lower Upper

75 100

155 58.0 61.1 91.7#

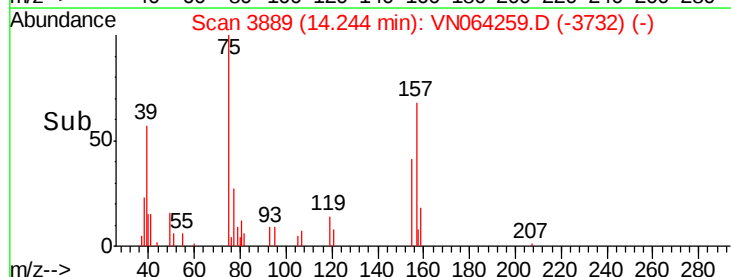
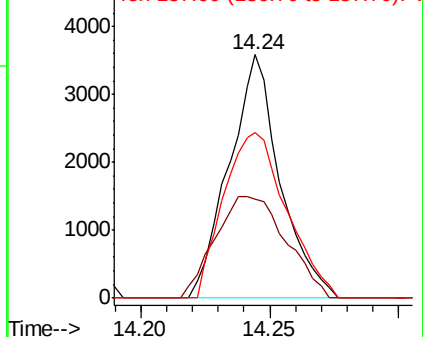
157 83.7 76.5 114.7

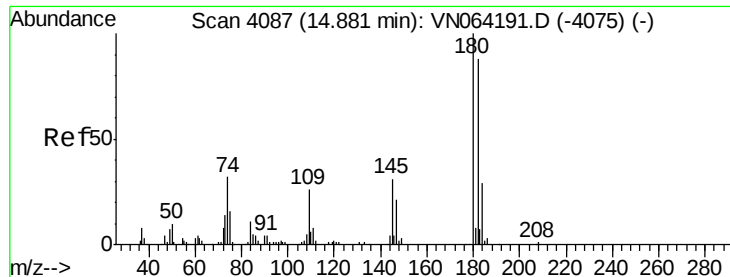


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

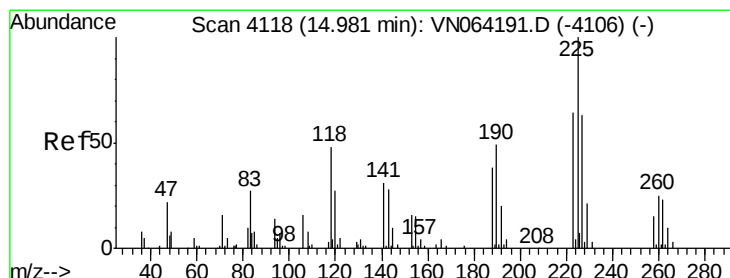
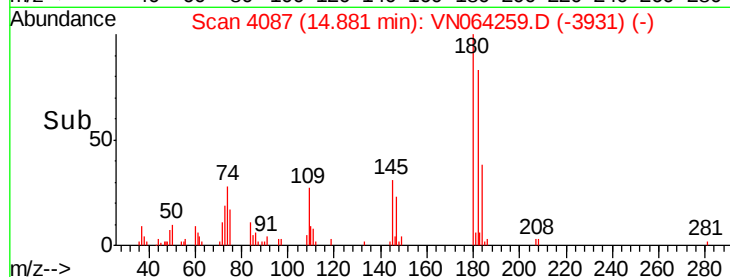
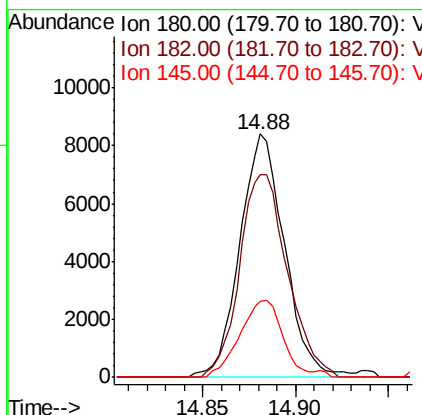
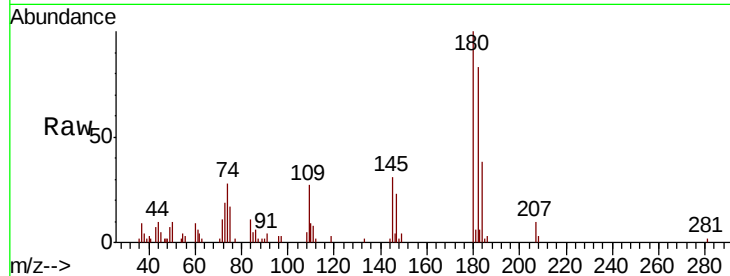




#89
 1,2,4-Trichlorobenzene
 Concen: 3.923 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064259.D
 Acq: 22 Oct 2020 18:54

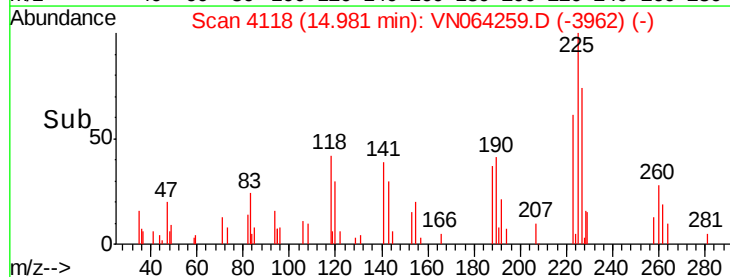
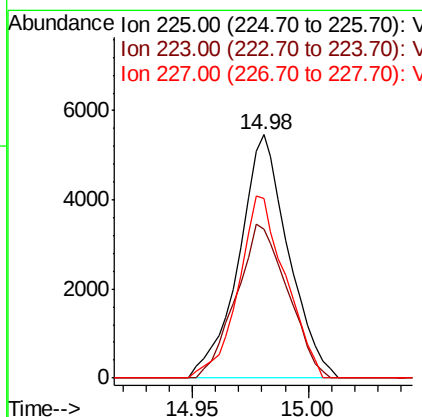
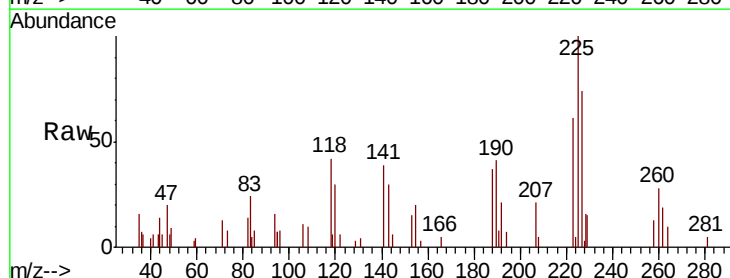
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

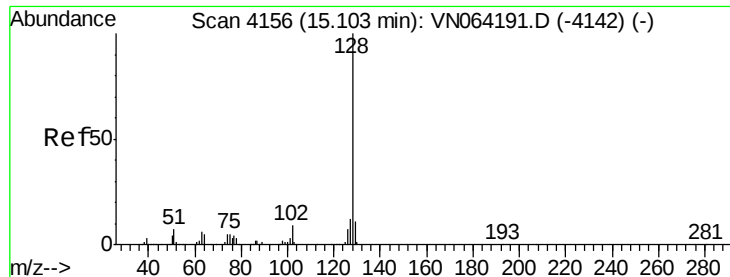
Tot Ion:180 Resp: 13975
 Ion Ratio Lower Upper
 180 100
 182 89.6 73.0 109.4
 145 30.3 24.3 36.5



#90
 Hexachlorobutadiene
 Concen: 4.478 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064259.D
 Acq: 22 Oct 2020 18:54

Tgt Ion:225 Resp: 8086
 Ion Ratio Lower Upper
 225 100
 223 65.9 0.0 127.0
 227 71.2 0.0 129.4

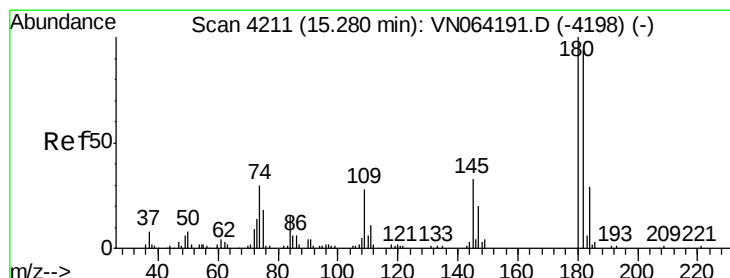
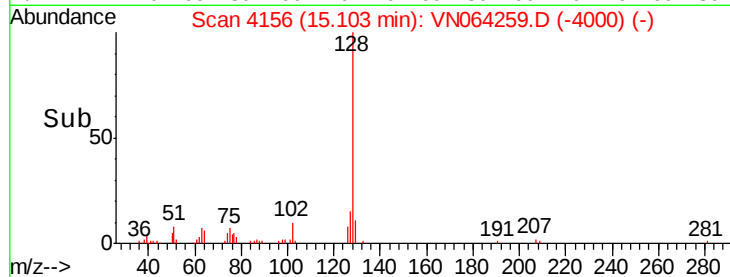
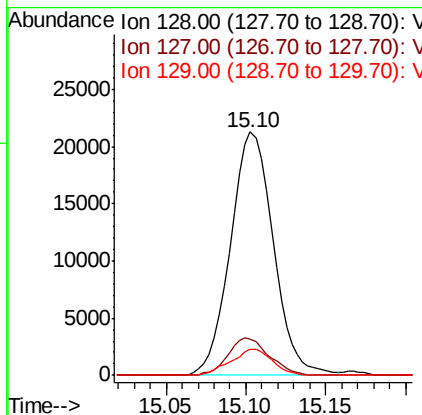
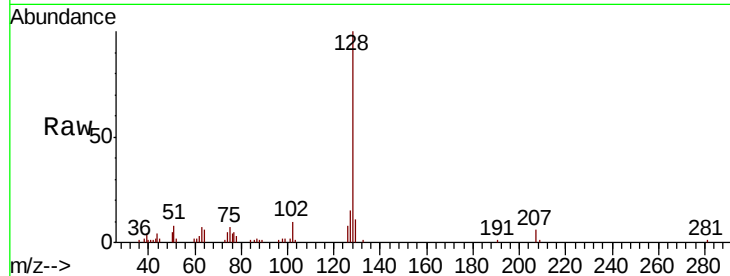




#91
Naphthalene
Concen: 3.610 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064259.D
Acq: 22 Oct 2020 18:54

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

Tot Ion:128 Resp: 38986
Ion Ratio Lower Upper
128 100
127 14.5 10.1 15.1
129 10.3 8.7 13.1



#92
1,2,3-Trichlorobenzene
Concen: 3.789 ug/l
RT: 15.28 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN064259.D
Acq: 22 Oct 2020 18:54

Tgt Ion:180 Resp: 12907
Ion Ratio Lower Upper
180 100
182 99.4 0.0 190.0
145 36.0 0.0 66.6

