

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
 Data File : VN064264.D
 Acq On : 22 Oct 2020 20:51
 Operator : JC/MD
 Sample : L4214-07 .75PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Quant Time: Oct 23 02:01:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	259901	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	425620	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	382820	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	162290	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	211343	54.76	ug/l	0.00
Spiked Amount			Recovery	=	109.52%	
35) Dibromofluoromethane	7.55	113	143992	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	
50) Toluene-d8	10.06	98	517690	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.38	95	197329	47.42	ug/l	0.00
Spiked Amount			Recovery	=	94.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	1742	1.326	ug/l	92
3) Chloromethane	2.04	50	1954	0.650	ug/l #	85
4) Vinyl Chloride	2.17	62	1796	0.603	ug/l #	81
5) Bromomethane	2.54	94	1643	0.846	ug/l	86
6) Chloroethane	2.68	64	1074	0.592	ug/l	91
7) Trichlorofluoromethane	2.98	101	1886	0.385	ug/l	86
8) Diethyl Ether	3.38	74	565	0.349	ug/l #	22
10) Methyl Iodide	3.92	142	1347	0.374	ug/l #	44
11) Tert butyl alcohol	4.74	59	875	1.694	ug/l #	70
12) 1,1-Dichloroethene	3.70	96	1812	0.744	ug/l #	60
13) Acrolein	3.58	56	605	1.865	ug/l	100
14) Allyl chloride	4.27	41	3341	0.685	ug/l #	84
15) Acrylonitrile	4.93	53	1613	1.510	ug/l #	63
16) Acetone	3.78	43	4635	4.197	ug/l #	89
17) Carbon Disulfide	4.01	76	4698	0.676	ug/l	100
18) Methyl Acetate	4.29	43	1996	0.709	ug/l #	59
21) trans-1,2-Dichloroethene	5.00	96	1561	0.581	ug/l #	74
22) Diisopropyl ether	5.91	45	3311	0.365	ug/l #	76
23) Vinyl Acetate	5.85	43	22497	2.783	ug/l #	90
24) 1,1-Dichloroethane	5.80	63	2157	0.411	ug/l #	85
25) 2-Butanone	6.79	43	5706	3.252	ug/l	91
26) 2,2-Dichloropropane	6.76	77	1705	0.326	ug/l	79
27) cis-1,2-Dichloroethene	6.78	96	2257	0.722	ug/l	78
28) Bromochloromethane	7.15	49	1255	0.503	ug/l #	66
29) Tetrahydrofuran	7.17	42	3864	3.682	ug/l #	62
30) Chloroform	7.33	83	3274	0.585	ug/l	94
31) Cyclohexane	7.63	56	9195	2.010	ug/l #	48
32) 1,1,1-Trichloroethane	7.52	97	2415	0.460	ug/l #	51
36) 1,1-Dichloropropene	7.75	75	2883	0.679	ug/l	81
37) Ethyl Acetate	6.89	43	2146	0.557	ug/l #	78
38) Carbon Tetrachloride	7.73	117	3060	0.634	ug/l #	87
39) Methylcyclohexane	9.04	83	1173	0.304	ug/l	94
40) Benzene	8.00	78	7606	0.649	ug/l	96
41) Methacrylonitrile	7.13	41	754	0.373	ug/l #	76

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 1,2-Dichloroethane	8.07	62	1453	0.290	ug/l	98
43) Isopropyl Acetate	8.14	43	5007	0.697	ug/l #	73
44) Trichloroethene	8.81	130	1720	0.539	ug/l	75
45) 1,2-Dichloropropane	9.08	63	1161	0.371	ug/l #	45
46) Dibromomethane	9.18	93	1343	0.640	ug/l #	27
47) Bromodichloromethane	9.37	83	3251	0.701	ug/l #	76
48) Methyl methacrylate	9.16	41	2554	0.681	ug/l #	87
49) 1,4-Dioxane	9.18	88	277	6.312	ug/l #	73
51) 4-Methyl-2-Pentanone	9.96	43	11874	3.094	ug/l	99
52) Toluene	10.12	92	4515	0.602	ug/l	94
53) t-1,3-Dichloropropene	10.35	75	3665	0.711	ug/l #	84
54) cis-1,3-Dichloropropene	9.81	75	3526	0.650	ug/l	94
55) 1,1,2-Trichloroethane	10.53	97	1609	0.568	ug/l #	82
56) Ethyl methacrylate	10.40	69	2571	0.587	ug/l #	79
57) 1,3-Dichloropropane	10.68	76	2723	0.554	ug/l #	77
58) 2-Chloroethyl Vinyl ether	9.66	63	6564	2.912	ug/l	99
59) 2-Hexanone	10.72	43	8038	2.868	ug/l	99
60) Dibromochloromethane	10.87	129	1689	0.461	ug/l	100
61) 1,2-Dibromoethane	10.98	107	1664	0.557	ug/l	89
64) Tetrachloroethene	10.61	164	1830	0.594	ug/l	93
65) Chlorobenzene	11.40	112	4255	0.537	ug/l #	84
66) 1,1,1,2-Tetrachloroethane	11.48	131	1958	0.622	ug/l #	66
67) Ethyl Benzene	11.48	91	8360	0.574	ug/l	94
68) m/p-Xylenes	11.59	106	5962	1.105	ug/l	80
69) o-Xylene	11.92	106	3003	0.575	ug/l	93
70) Styrene	11.94	104	4693	0.537	ug/l	92
71) Bromoform	12.10	173	1454	0.598	ug/l #	83
73) Isopropylbenzene	12.23	105	7240	0.585	ug/l	95
74) N-amyl acetate	12.05	43	3571	0.668	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.48	83	2347	0.715	ug/l #	90
76) 1,2,3-Trichloropropane	12.53	75	3580	1.046	ug/l #	100
77) Bromobenzene	12.50	156	1949	0.667	ug/l	86
78) n-propylbenzene	12.57	91	8910	0.638	ug/l	97
79) 2-Chlorotoluene	12.65	91	6337	0.739	ug/l	90
80) 1,3,5-Trimethylbenzene	12.71	105	6766	0.647	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	109449	80.766	ug/l #	9
82) 4-Chlorotoluene	12.75	91	5567	0.623	ug/l	98
83) tert-Butylbenzene	12.97	119	5638	0.657	ug/l	88
84) 1,2,4-Trimethylbenzene	13.02	105	6901	0.663	ug/l	97
85) sec-Butylbenzene	13.15	105	6491	0.600	ug/l	98
86) p-Isopropyltoluene	13.26	119	6054	0.615	ug/l	86
87) 1,3-Dichlorobenzene	13.26	146	3333	0.641	ug/l	92
88) 1,4-Dichlorobenzene	13.26	146	3333	0.626	ug/l	91
89) n-Butylbenzene	13.59	91	5021	0.569	ug/l	99
90) Hexachloroethane	13.85	117	1070	0.600	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	3300	0.647	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	467	0.570	ug/l #	50
93) 1,2,4-Trichlorobenzene	14.88	180	1639	0.573	ug/l	91
94) Hexachlorobutadiene	14.98	225	1104	0.715	ug/l	89
95) Naphthalene	15.10	128	4076	0.476	ug/l #	87

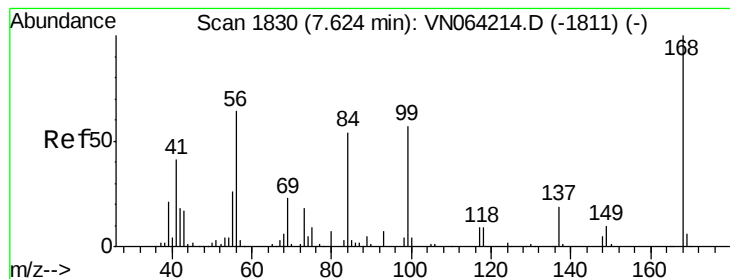
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.29	180	1727	0.609	ug/l #	83

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

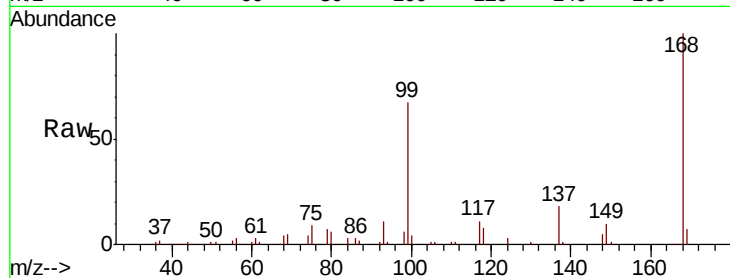
LOD-MDL-WATER-01-QT4-2020

Tot Ion:168 Resp: 259901

Ion Ratio Lower Upper

168 100

99 66.7 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

120000

100000

80000

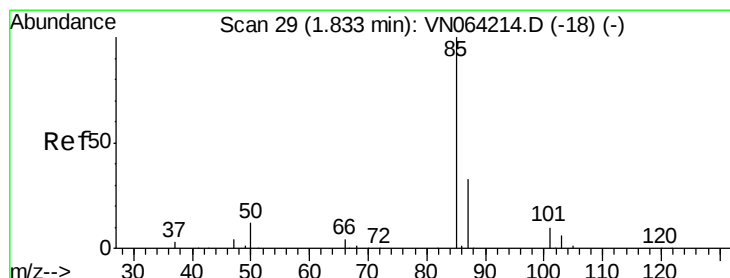
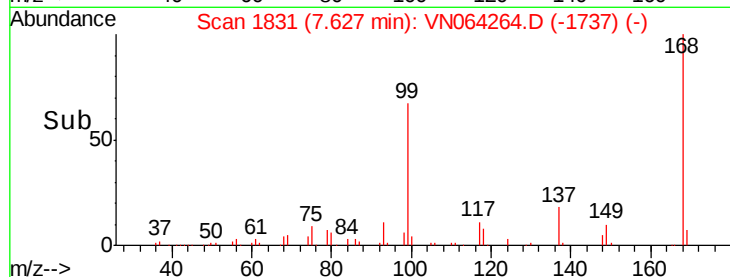
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 1.326 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064264.D

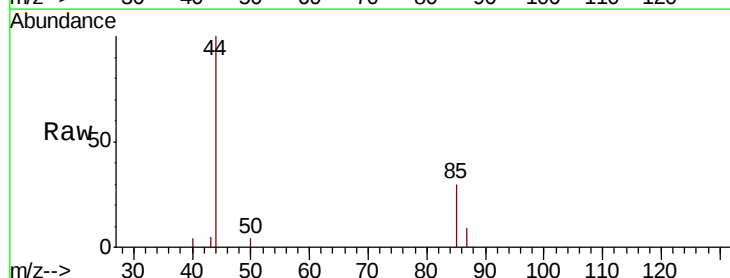
Acq: 22 Oct 2020 20:51

Tgt Ion: 85 Resp: 1742

Ion Ratio Lower Upper

85 100

87 28.7 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

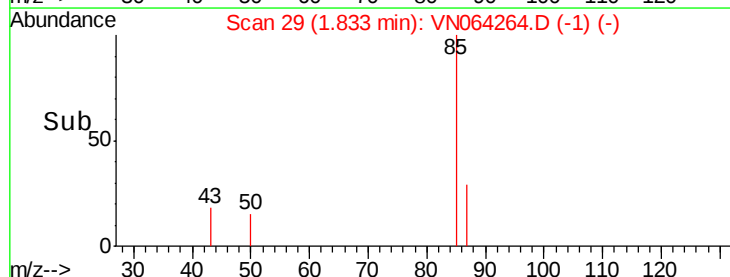
1500

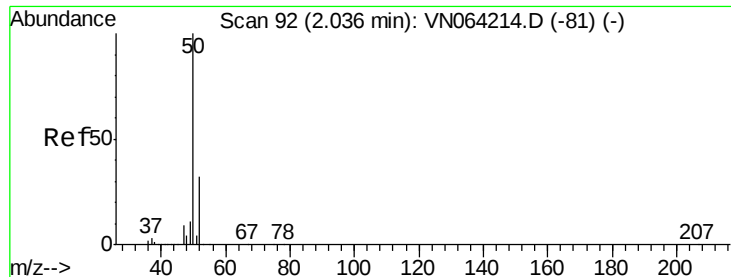
1000

500

0

Time--> 1.80 1.82 1.84 1.86





#3

Chloromethane

Concen: 0.650 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

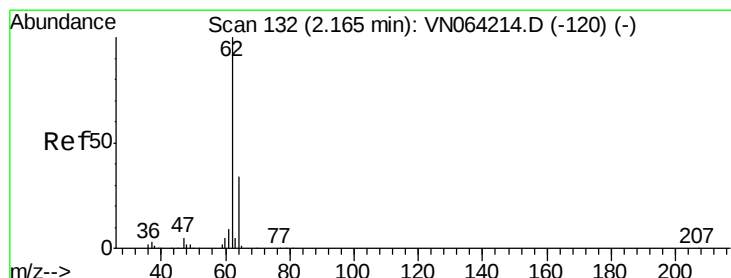
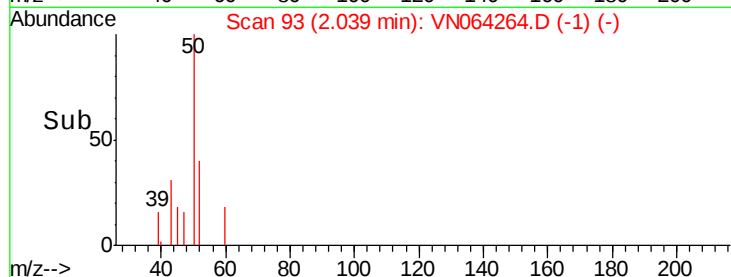
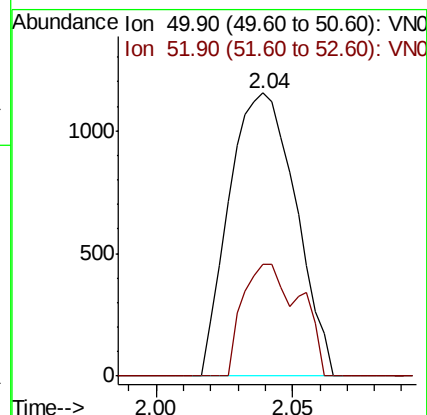
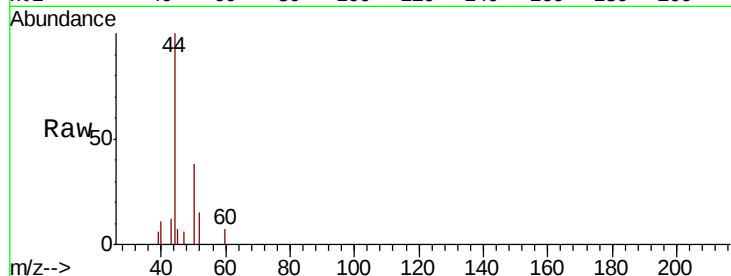
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 50 Resp: 1954

Ion Ratio Lower Upper

50 100

52 39.7 25.3 37.9#



#4

Vinyl Chloride

Concen: 0.603 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064264.D

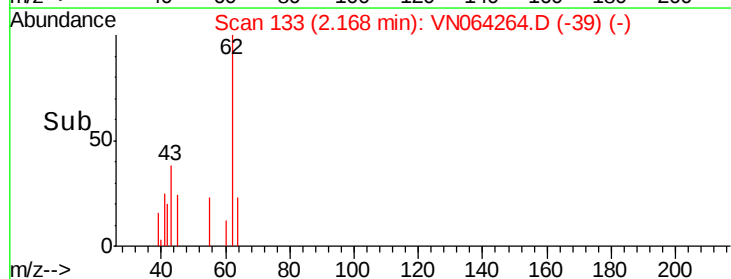
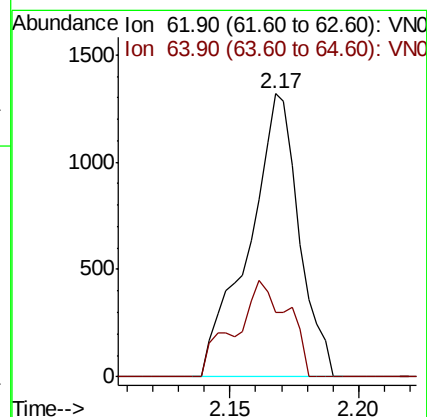
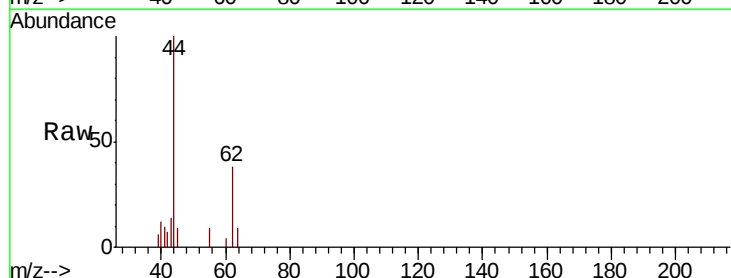
Acq: 22 Oct 2020 20:51

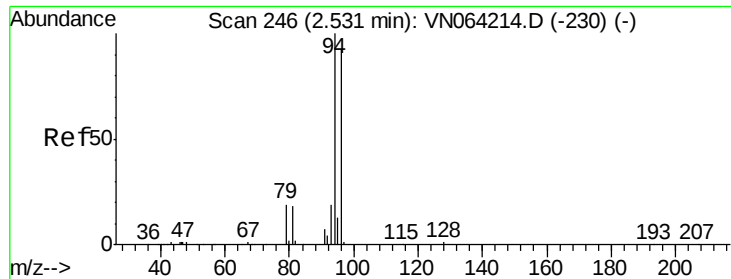
Tgt Ion: 62 Resp: 1796

Ion Ratio Lower Upper

62 100

64 22.7 26.8 40.2#





#5

Bromomethane

Concen: 0.846 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

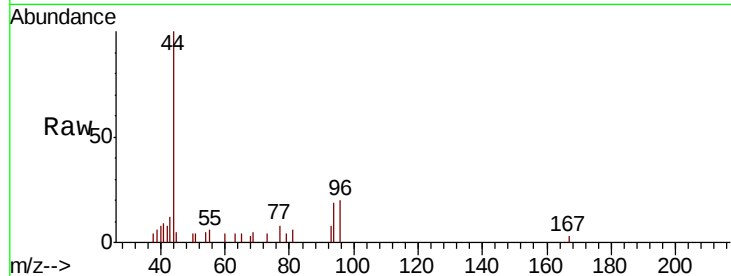
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 94 Resp: 1643

Ion Ratio Lower Upper

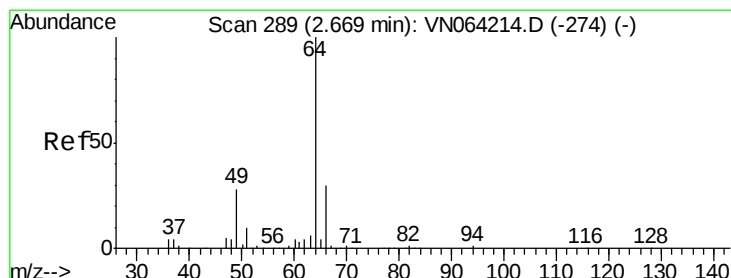
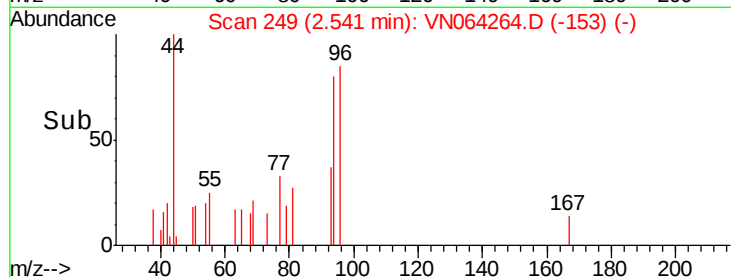
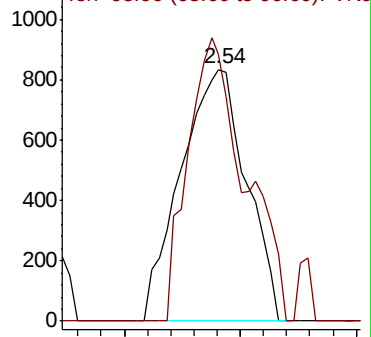
94 100

96 105.9 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 0.592 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN064264.D

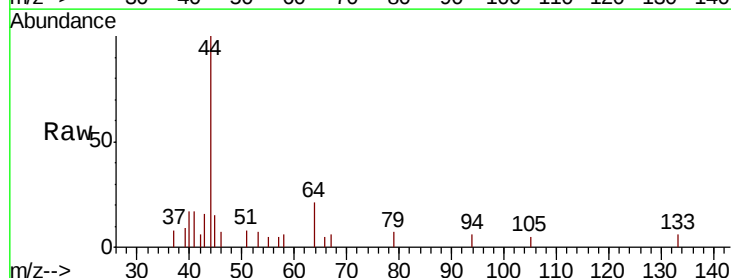
Acq: 22 Oct 2020 20:51

Tgt Ion: 64 Resp: 1074

Ion Ratio Lower Upper

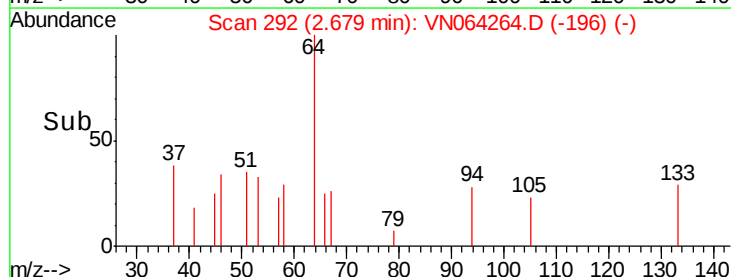
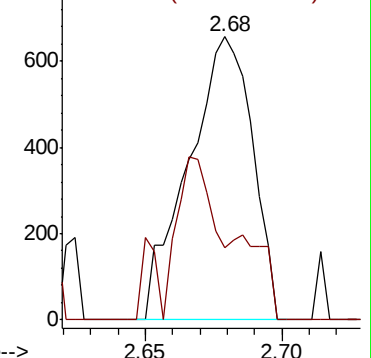
64 100

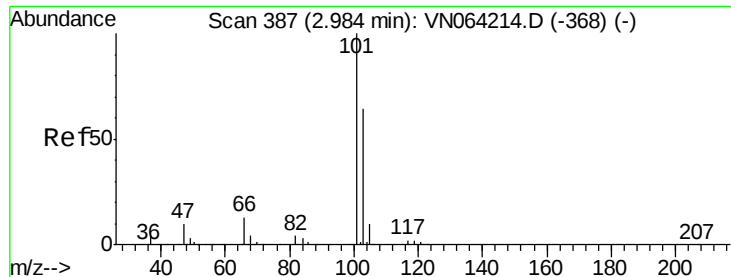
66 25.4 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



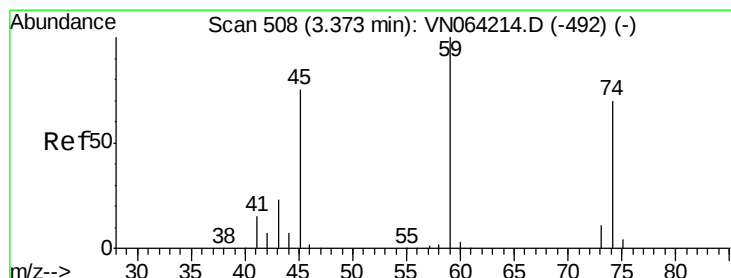
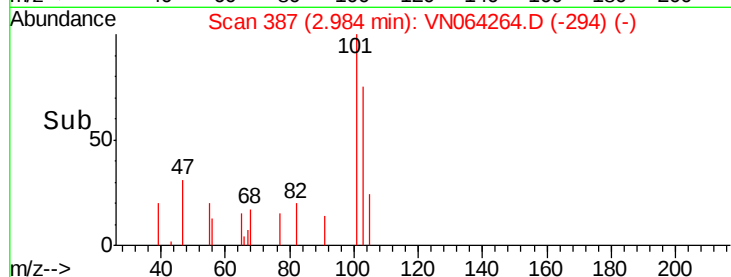
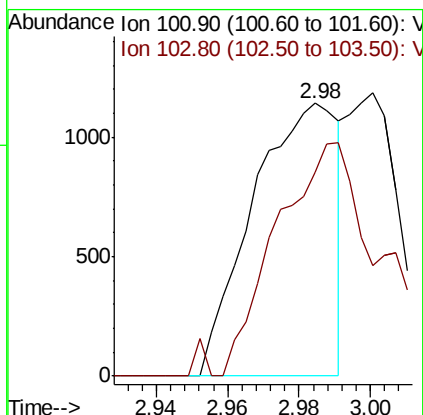
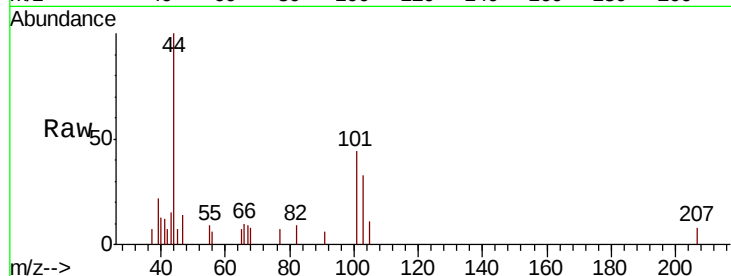


#7

Trichlorofluoromethane
 Concen: 0.385 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN064264.D
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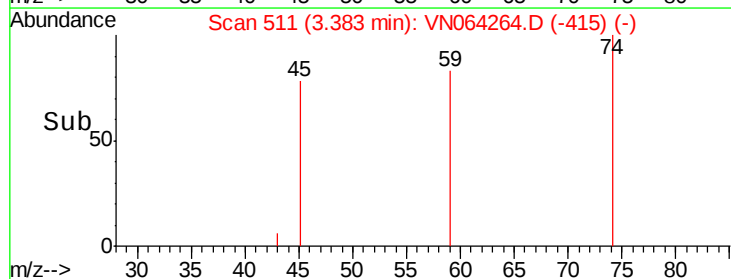
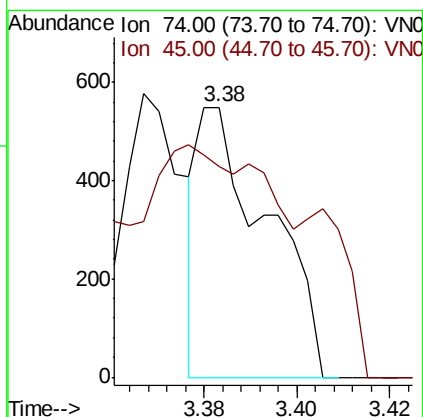
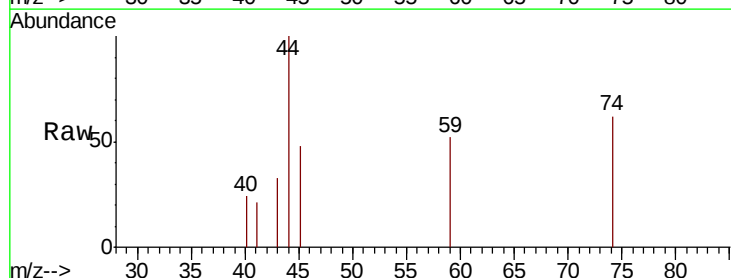
Tot Ion:101 Resp: 1886
 Ion Ratio Lower Upper
 101 100
 103 74.6 51.0 76.6

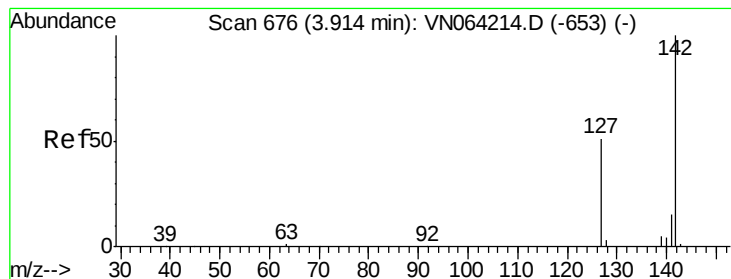


#8

Diethyl Ether
 Concen: 0.349 ug/l
 RT: 3.38 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

Tgt Ion: 74 Resp: 565
 Ion Ratio Lower Upper
 74 100
 45 181.8 51.3 154.0#





#10

Methvl Iodide

Concen: 0.374 ug/l

RT: 3.92 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

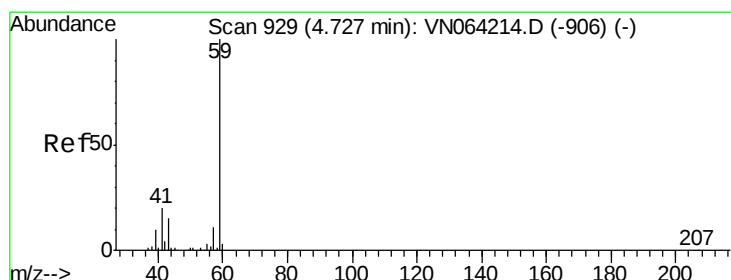
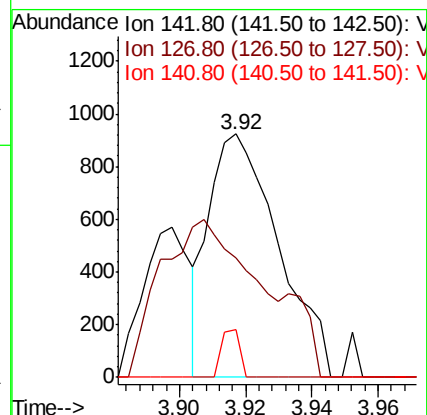
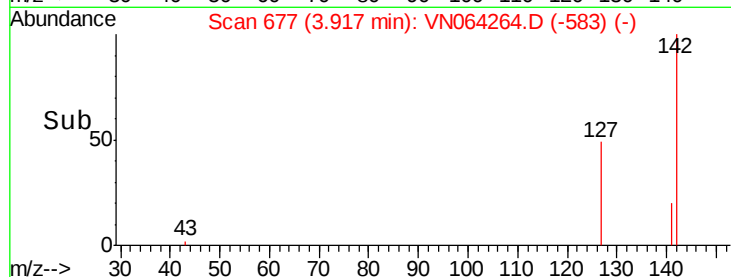
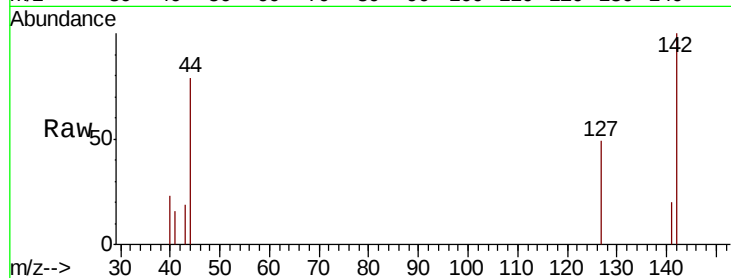
Tot Ion:142 Resp: 1347

Ion Ratio Lower Upper

142 100

127 96.7 41.0 61.6#

141 5.0 11.3 16.9#



#11

Tert butyl alcohol

Concen: 1.694 ug/l

RT: 4.74 min Scan# 932

Delta R.T. 0.01 min

Lab File: VN064264.D

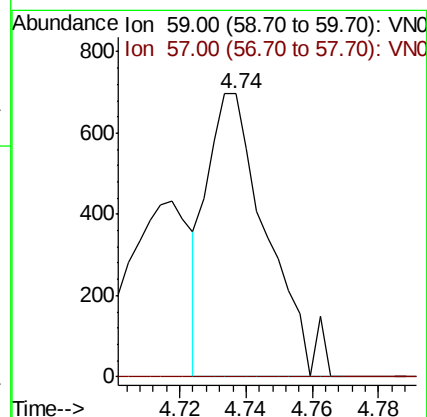
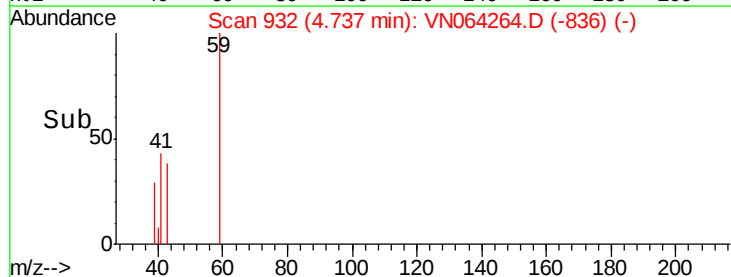
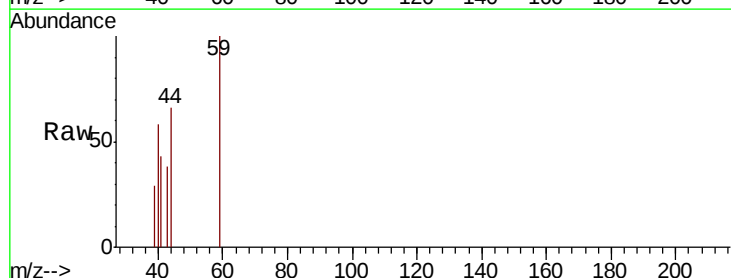
Acq: 22 Oct 2020 20:51

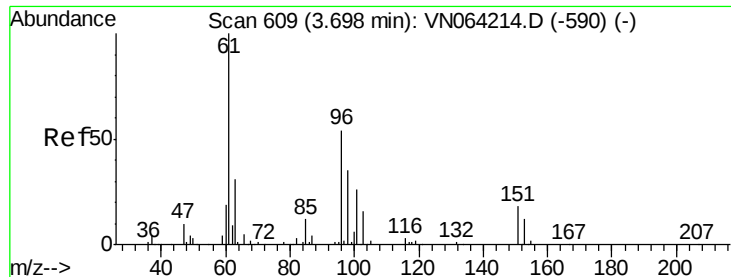
Tgt Ion: 59 Resp: 875

Ion Ratio Lower Upper

59 100

57 0.0 9.2 13.8#





#12

1,1-Dichloroethene

Concen: 0.744 ug/l

RT: 3.70 min Scan# 611

Delta R.T. 0.01 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

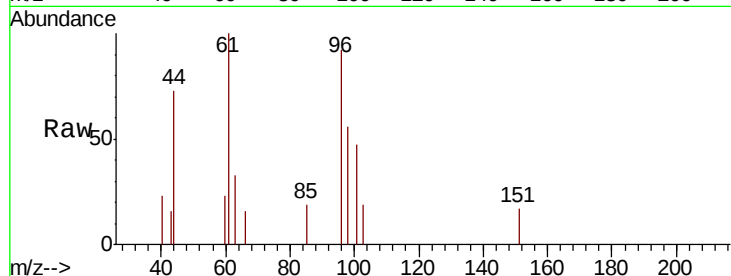
Tot Ion: 96 Resp: 1812

Ion Ratio Lower Upper

96 100

61 108.5 147.0 220.4#

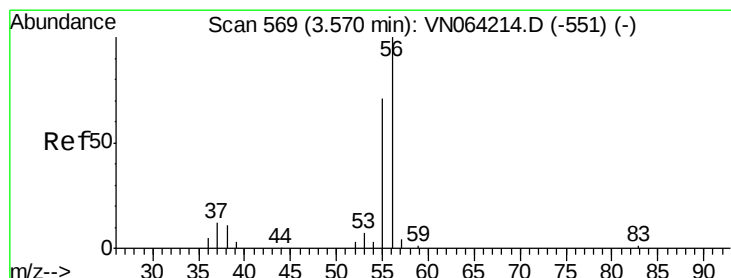
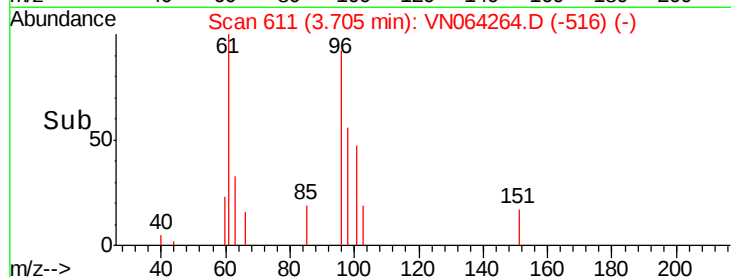
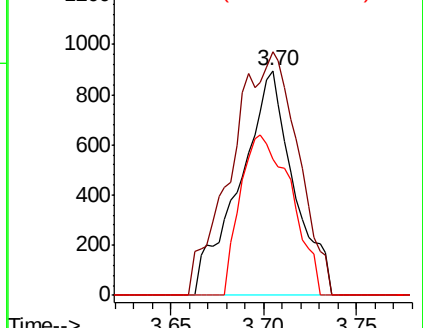
98 60.6 51.7 77.5



Abundance Ion 95.90 (95.60 to 96.60): VN064214.D (-590) (-)

Ion 60.90 (60.60 to 61.60): VN064214.D (-590) (-)

Ion 97.90 (97.60 to 98.60): VN064214.D (-590) (-)



#13

Acrolein

Concen: 1.865 ug/l

RT: 3.58 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN064264.D

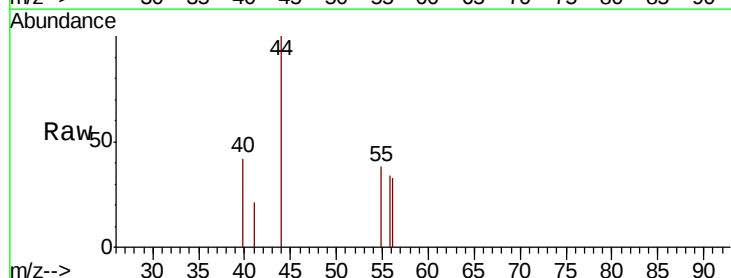
Acq: 22 Oct 2020 20:51

Tgt Ion: 56 Resp: 605

Ion Ratio Lower Upper

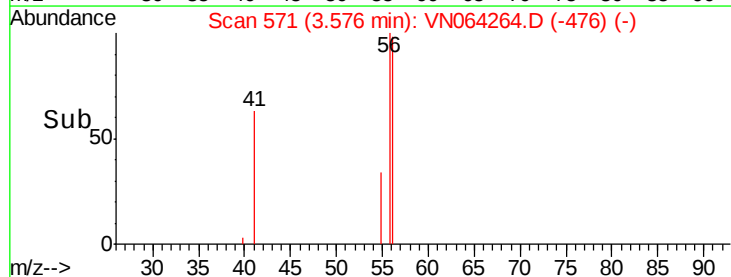
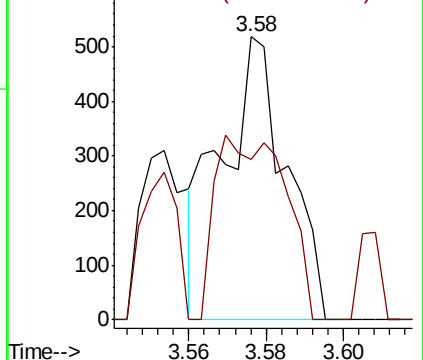
56 100

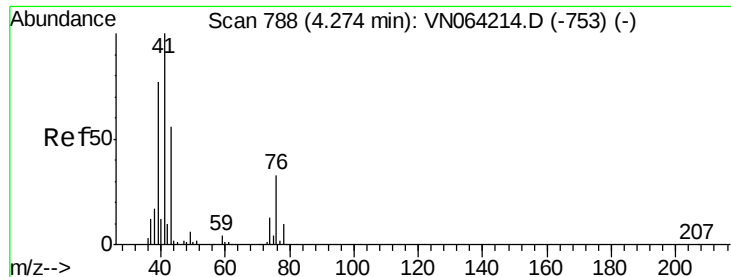
55 70.4 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VN064214.D (-551) (-)

Ion 55.00 (54.70 to 55.70): VN064214.D (-551) (-)





#14

Allvl chloride

Concen: 0.685 ug/l

RT: 4.27 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

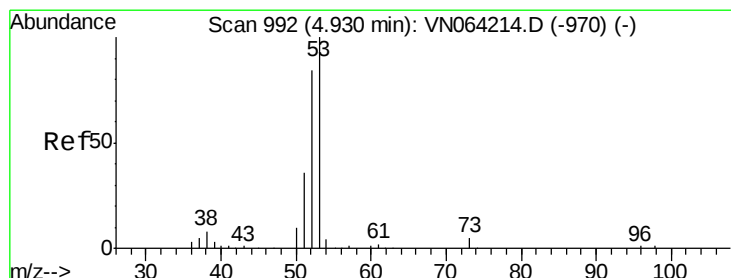
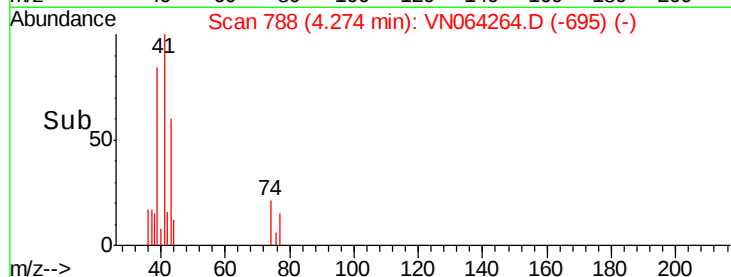
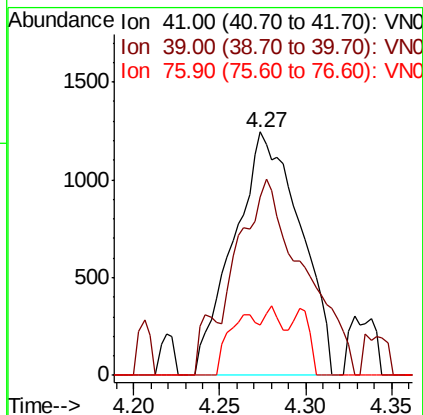
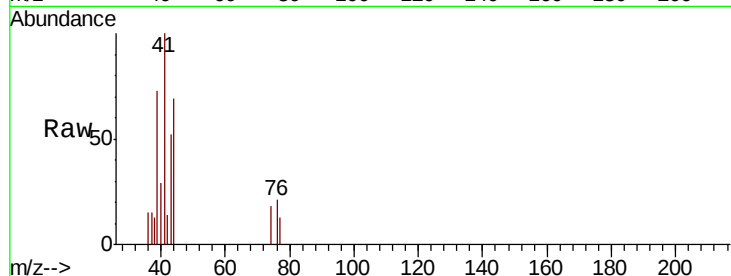
Tot Ion: 41 Resp: 3341

Ion Ratio Lower Upper

41 100

39 78.0 58.6 88.0

76 8.3 24.5 36.7#



#15

Acrylonitrile

Concen: 1.510 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

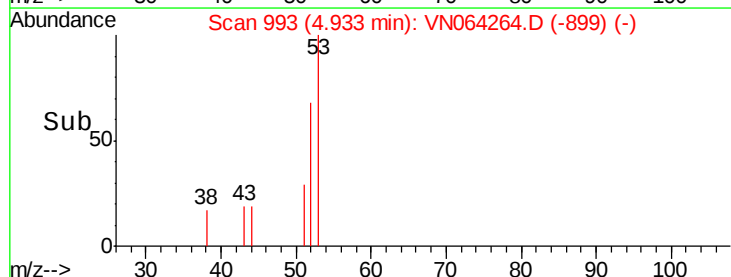
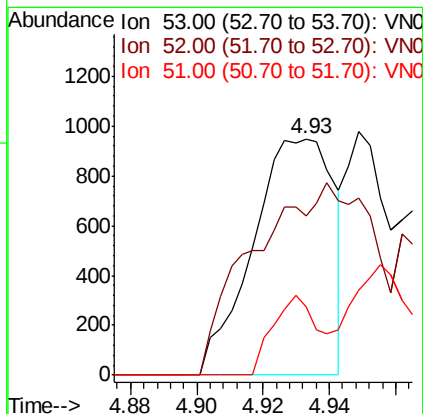
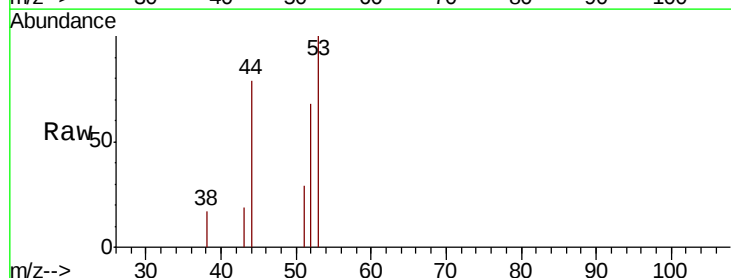
Tgt Ion: 53 Resp: 1613

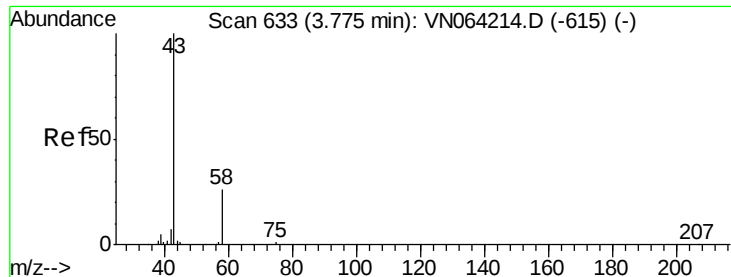
Ion Ratio Lower Upper

53 100

52 119.5 66.8 100.2#

51 18.8 30.7 46.1#





#16

Acetone

Concen: 4.197 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

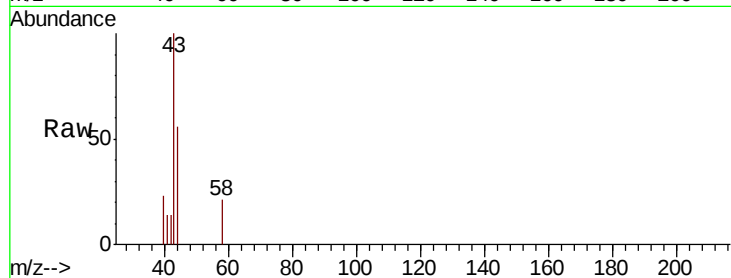
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 4635

Ion Ratio Lower Upper

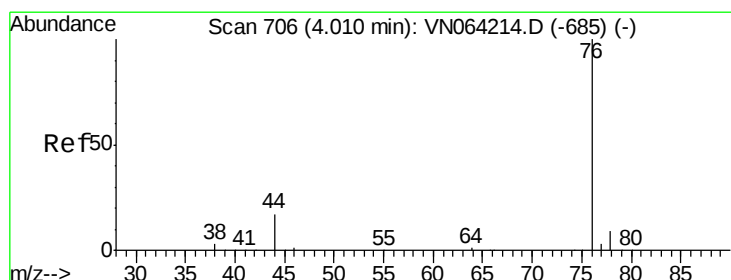
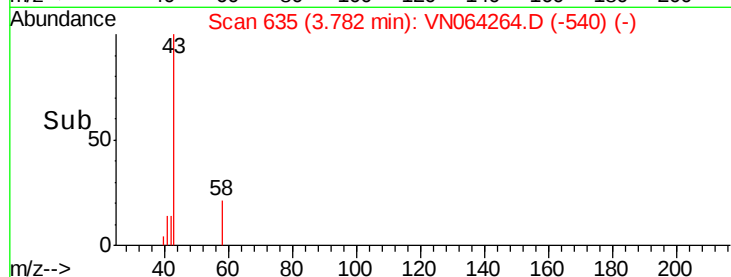
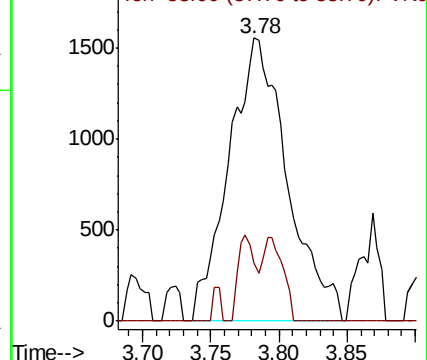
43 100

58 20.7 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.676 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN064264.D

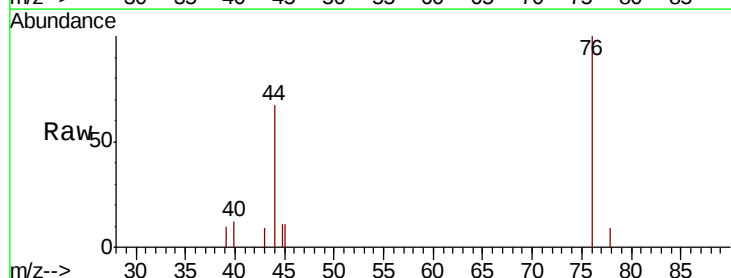
Acq: 22 Oct 2020 20:51

Tgt Ion: 76 Resp: 4698

Ion Ratio Lower Upper

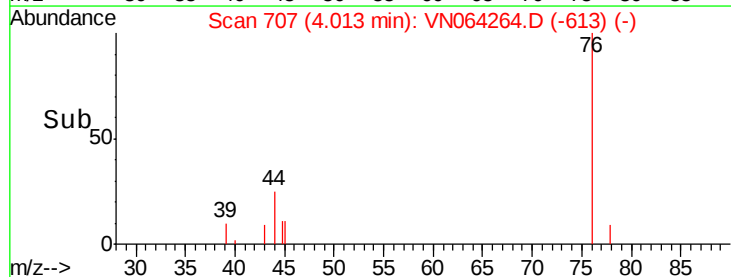
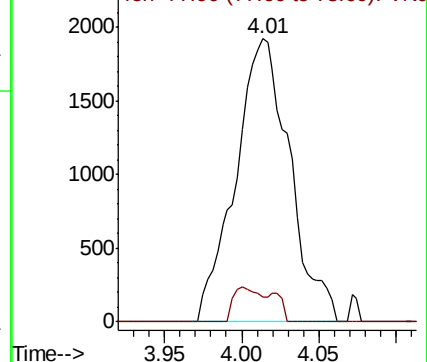
76 100

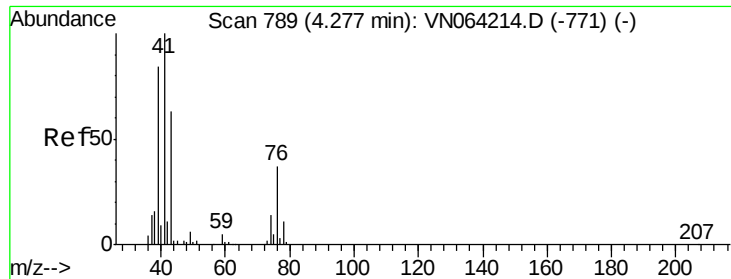
78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

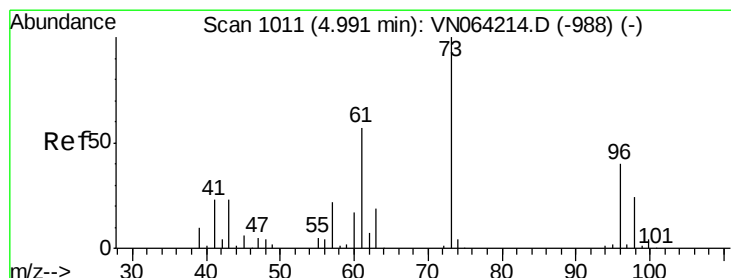
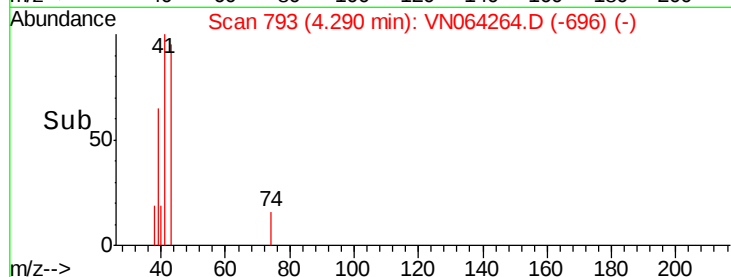
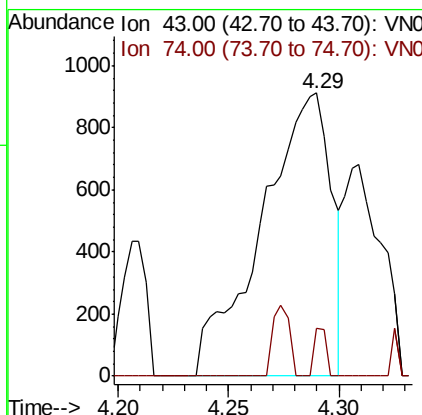
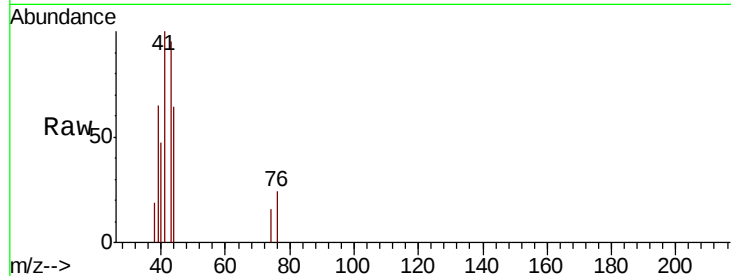




#18
Methyl Acetate
Concen: 0.709 ug/l
RT: 4.29 min Scan# 793
Delta R.T. 0.01 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

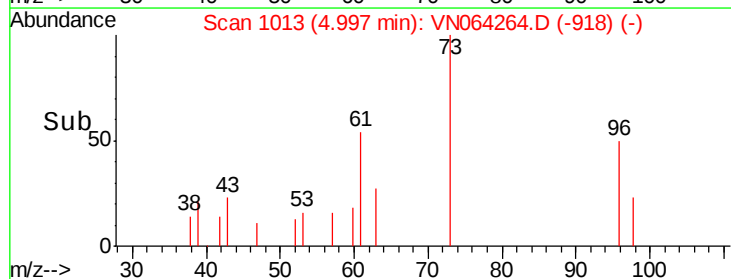
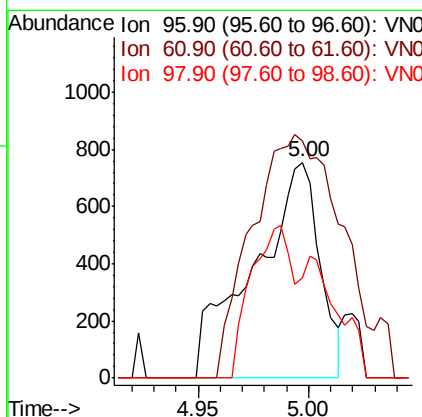
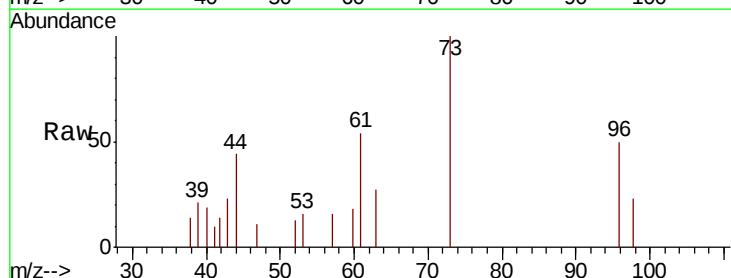
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

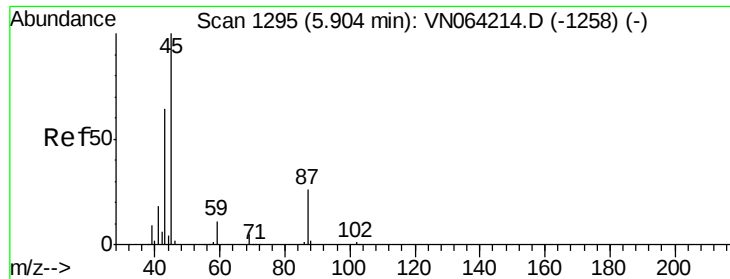
Tot Ion: 43 Resp: 1996
Ion Ratio Lower Upper
43 100
74 3.0 17.9 26.9#



#21
trans-1,2-Dichloroethene
Concen: 0.581 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Tgt Ion: 96 Resp: 1561
Ion Ratio Lower Upper
96 100
61 109.7 115.8 173.6#
98 46.6 49.4 74.0#

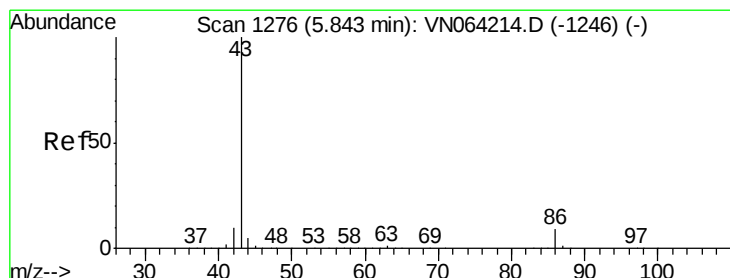
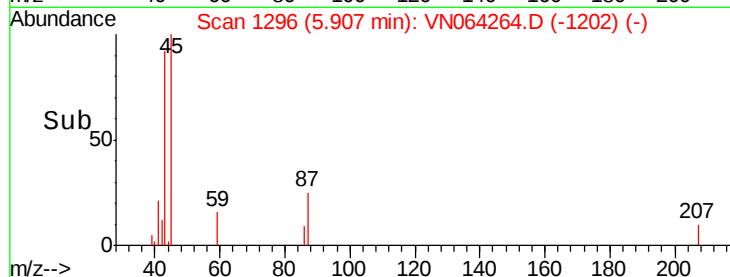
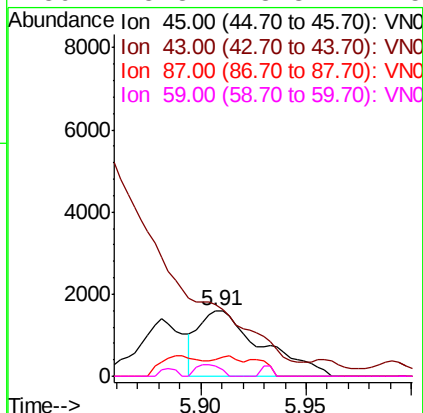
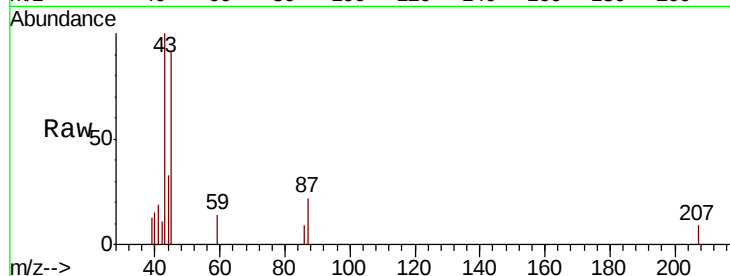




#22
Diisopropyl ether
Concen: 0.365 ug/l
RT: 5.91 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

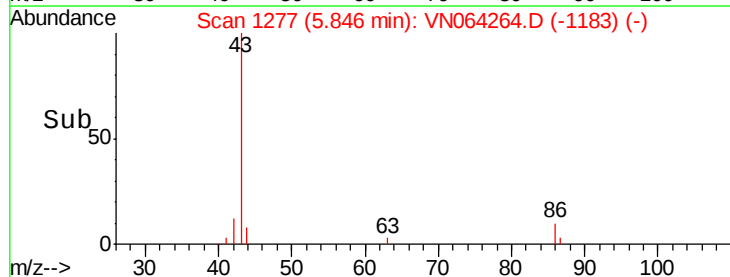
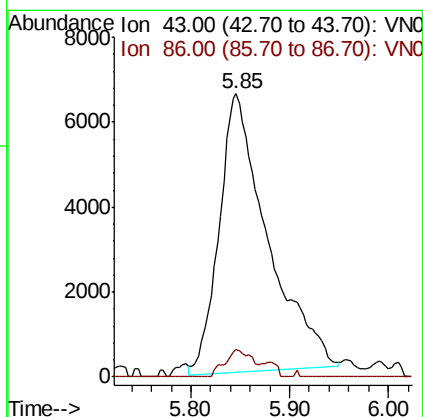
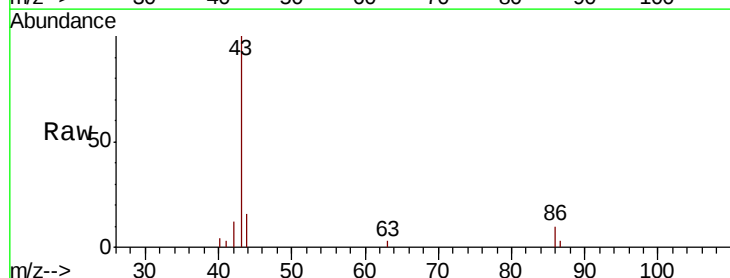
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

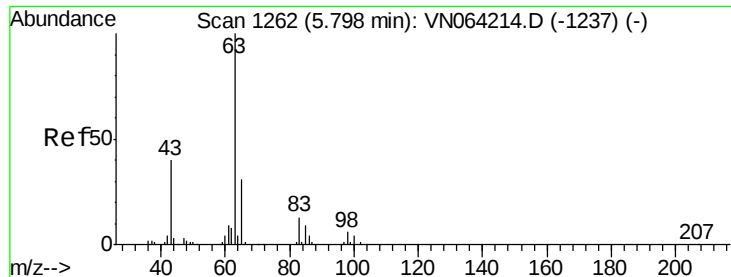
Tot Ion:	45	Resp:	3311
Ion	Ratio	Lower	Upper
45	100		
43	91.6	52.2	78.4#
87	24.5	21.4	32.0
59	15.8	8.3	12.5#



#23
Vinyl Acetate
Concen: 2.783 ug/l
RT: 5.85 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Tgt Ion:	43	Resp:	22497
Ion	Ratio	Lower	Upper
43	100		
86	12.9	7.4	11.0#





#24

1,1-Dichloroethane

Concen: 0.411 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

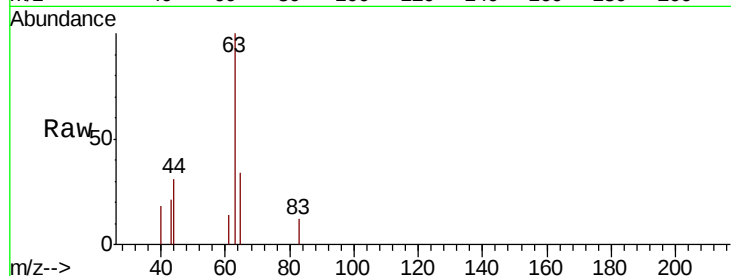
Tot Ion: 63 Resp: 2157

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.7#

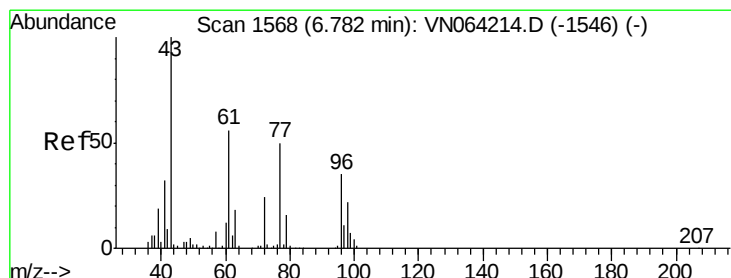
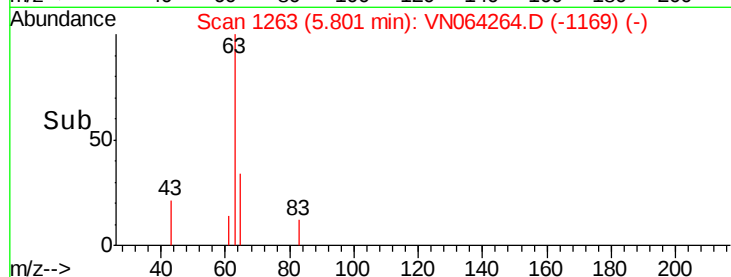
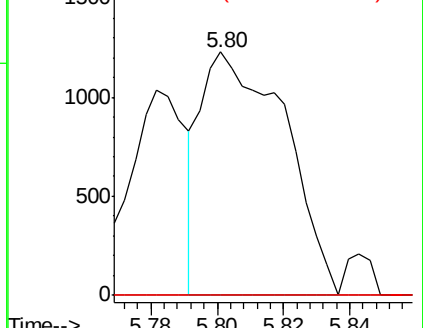
100 0.0 2.0 6.0#



Abundance Ion 62.90 (62.60 to 63.60): VN064264.D (-1169) (-)

Ion 97.90 (97.60 to 98.60): VN064264.D (-1169) (-)

Ion 99.90 (99.60 to 100.60): VN064264.D (-1169) (-)



#25

2-Butanone

Concen: 3.252 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN064264.D

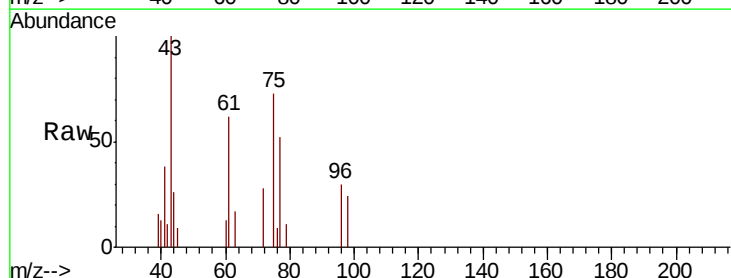
Acq: 22 Oct 2020 20:51

Tgt Ion: 43 Resp: 5706

Ion Ratio Lower Upper

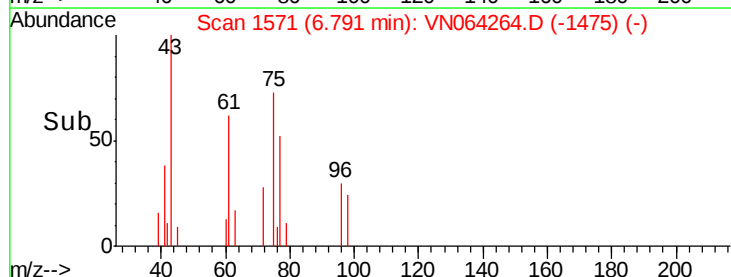
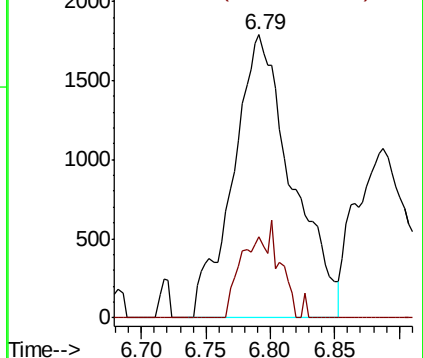
43 100

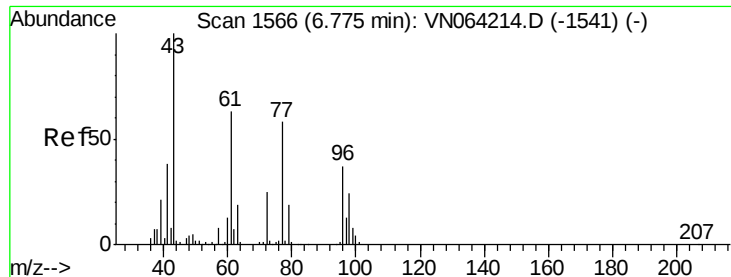
72 28.5 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VN064264.D (-1475) (-)

Ion 72.00 (71.70 to 72.70): VN064264.D (-1475) (-)

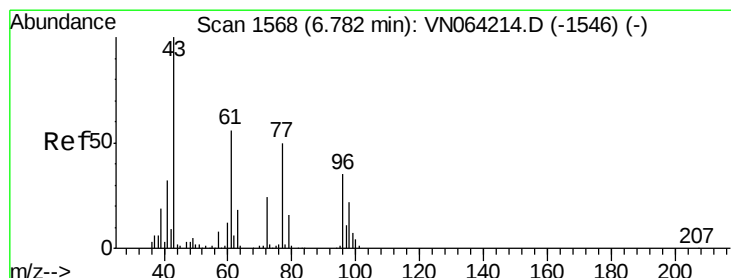
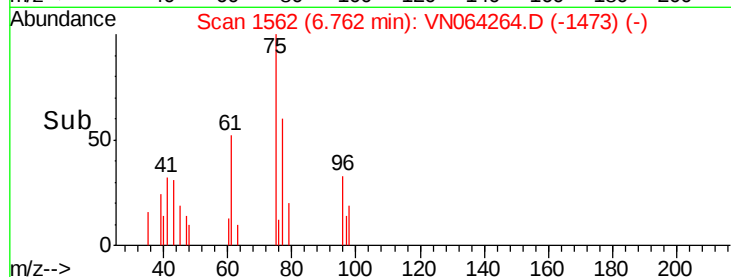
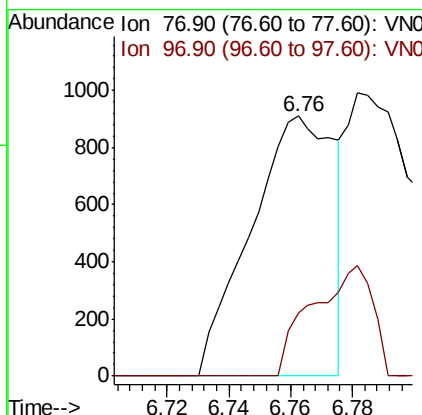
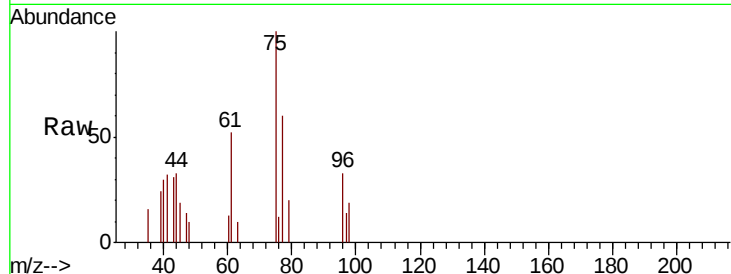




#26
 2,2-Dichloropropane
 Concen: 0.326 ug/l
 RT: 6.76 min Scan# 1562
 Delta R.T. -0.01 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

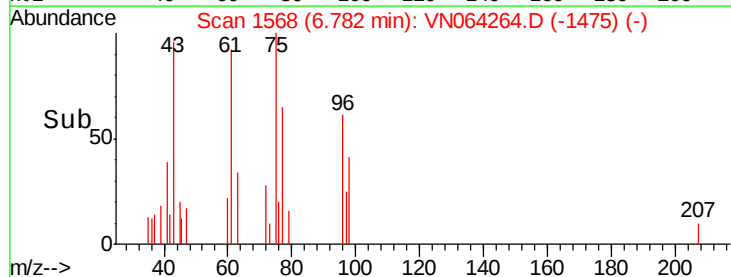
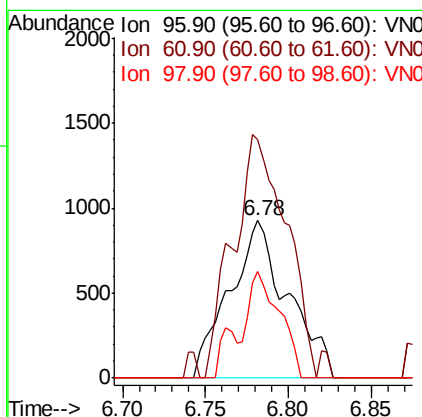
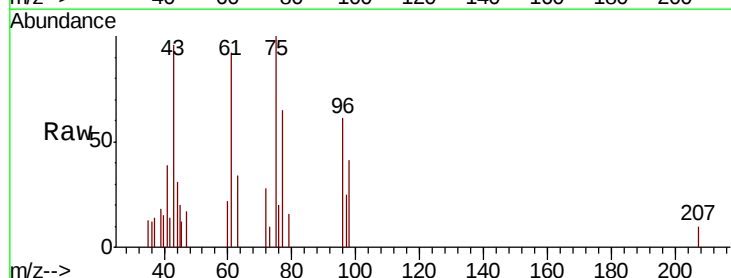
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

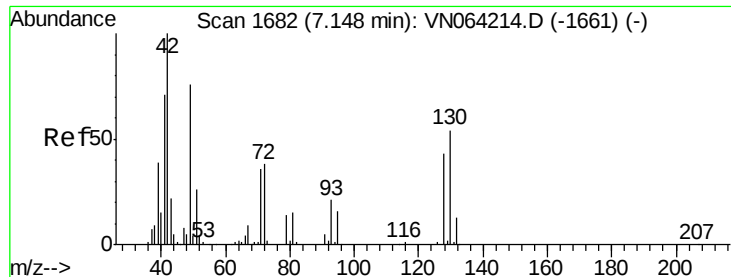
Tot Ion: 77 Resp: 1705
 Ion Ratio Lower Upper
 77 100
 97 30.6 10.4 31.4



#27
 cis-1,2-Dichloroethene
 Concen: 0.722 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

Tgt Ion: 96 Resp: 2257
 Ion Ratio Lower Upper
 96 100
 61 142.0 0.0 330.0
 98 37.4 0.0 130.6

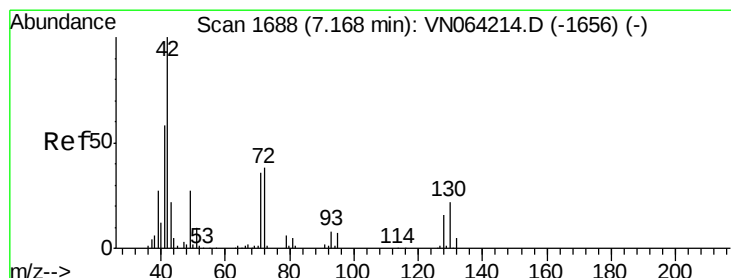
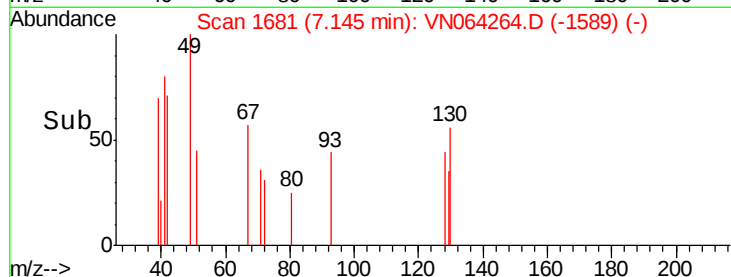
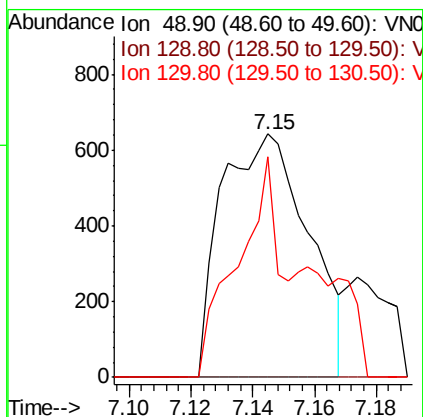
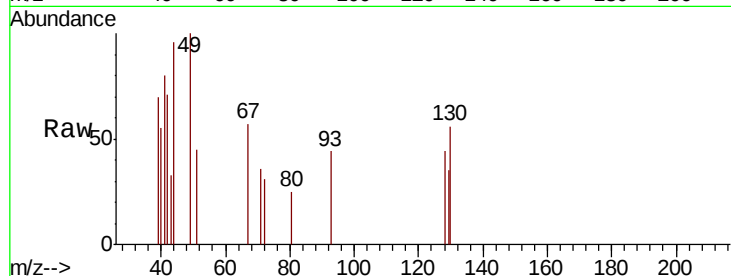




#28
Bromochloromethane
Concen: 0.503 ug/l
RT: 7.15 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

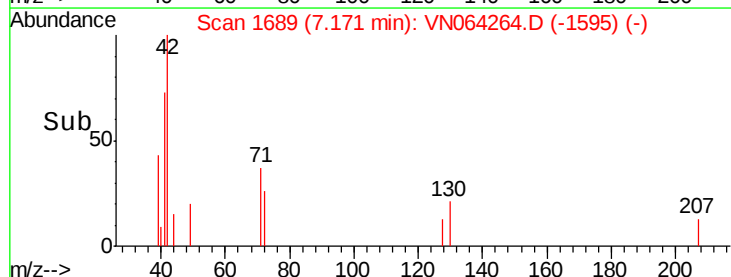
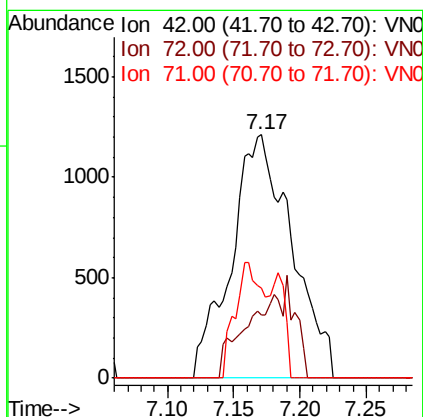
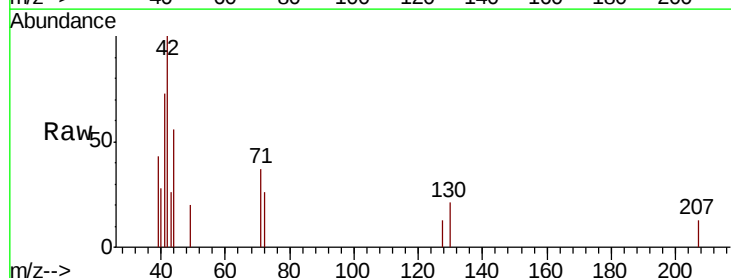
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

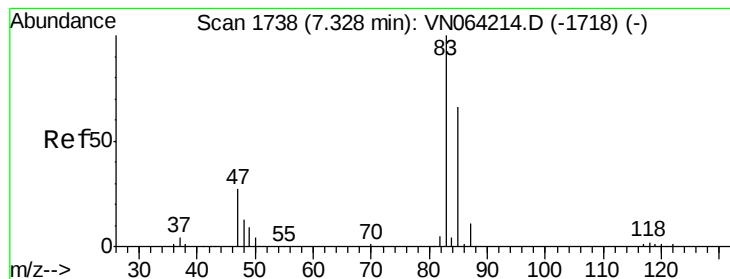
Tot Ion: 49 Resp: 1255
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.8
130 44.1 58.8 88.2#



#29
Tetrahydrofuran
Concen: 3.682 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Tgt Ion: 42 Resp: 3864
Ion Ratio Lower Upper
42 100
72 21.1 30.8 46.2#
71 8.6 29.0 43.6#





#30

Chloroform

Concen: 0.585 ug/l

RT: 7.33 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

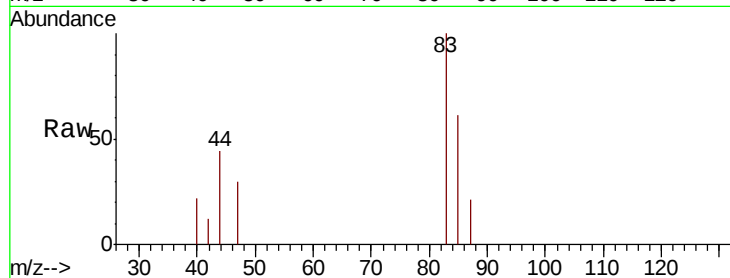
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 83 Resp: 3274

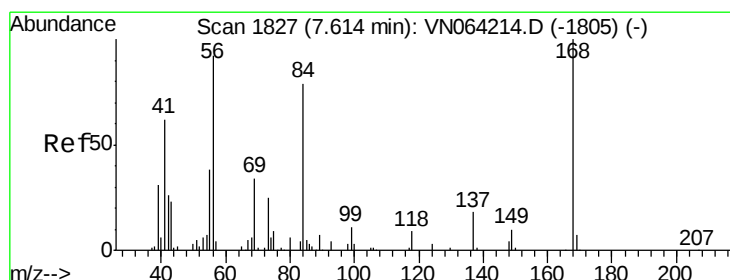
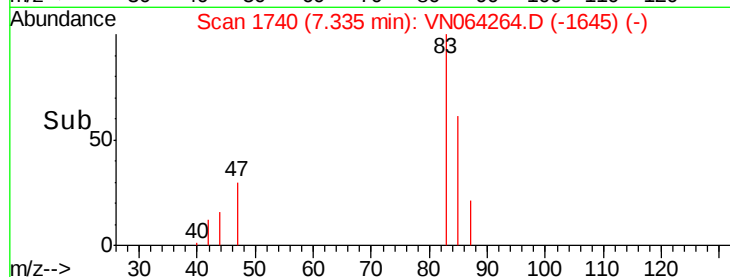
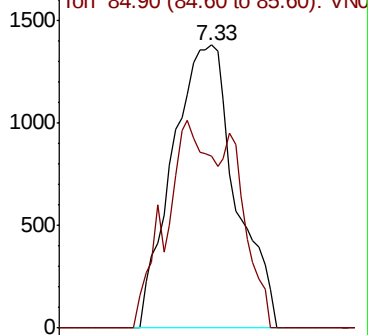
Ion Ratio Lower Upper

83 100

85 60.7 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN064214.D (-1718) (-)



#31

Cyclohexane

Concen: 2.010 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

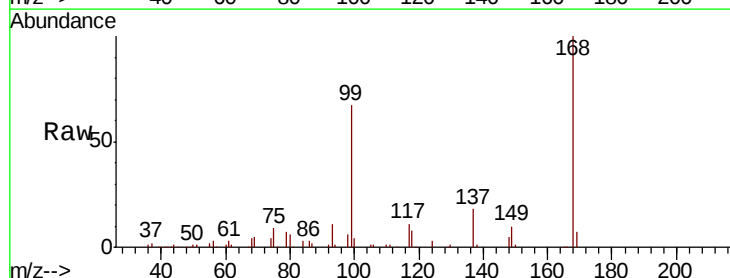
Tgt Ion: 56 Resp: 9195

Ion Ratio Lower Upper

56 100

69 134.2 29.8 44.6#

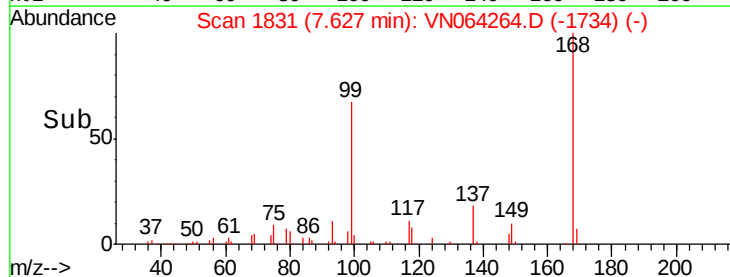
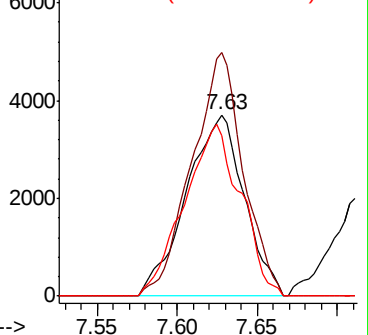
84 88.3 68.1 102.1

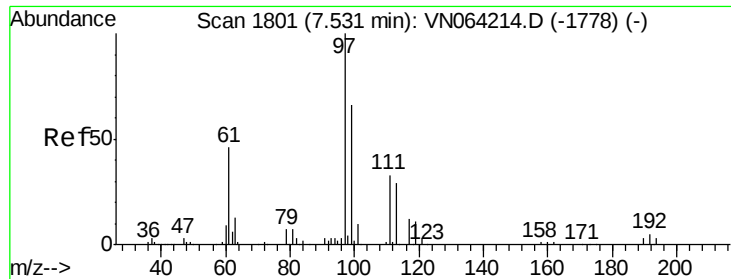


Abundance Ion 56.00 (55.70 to 56.70): VN064214.D (-1805) (-)

Ion 69.00 (68.70 to 69.70): VN064214.D (-1805) (-)

Ion 84.00 (83.70 to 84.70): VN064214.D (-1805) (-)





#32

1,1,1-Trichloroethane

Concen: 0.460 ug/l

RT: 7.52 min Scan# 1799

Delta R.T. -0.01 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

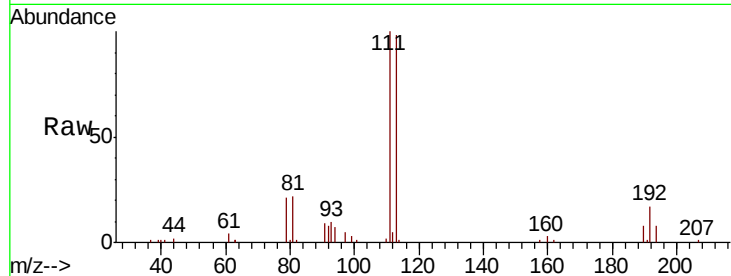
Tot Ion: 97 Resp: 2415

Ion Ratio Lower Upper

97 100

99 0.0 51.2 76.8#

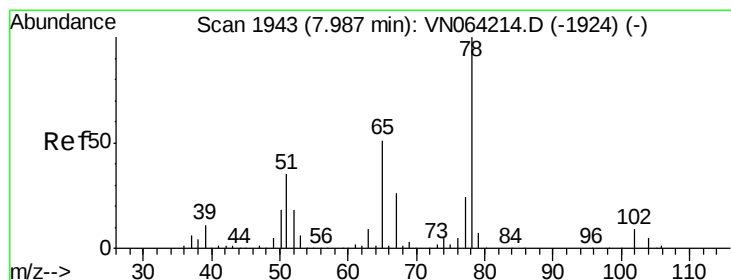
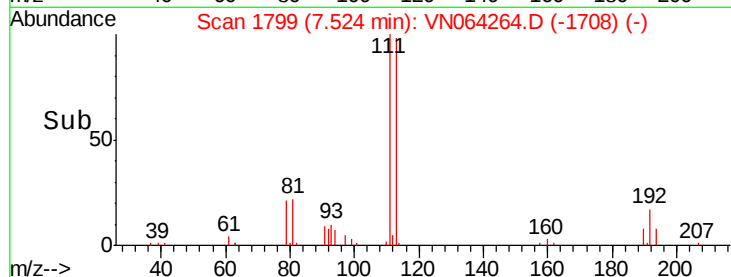
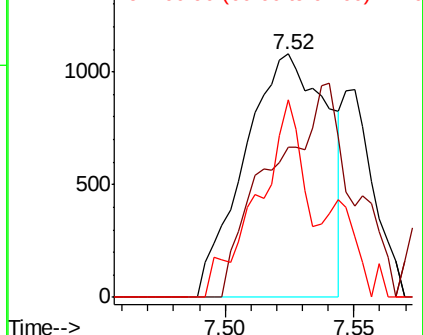
61 47.9 36.3 54.5



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 54.756 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064264.D

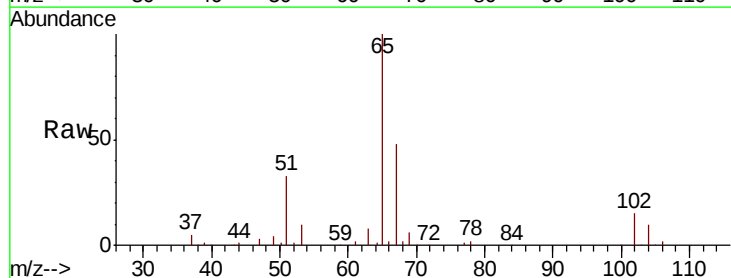
Acq: 22 Oct 2020 20:51

Tgt Ion: 65 Resp: 211343

Ion Ratio Lower Upper

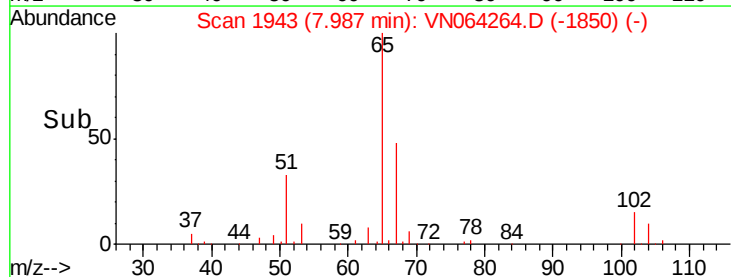
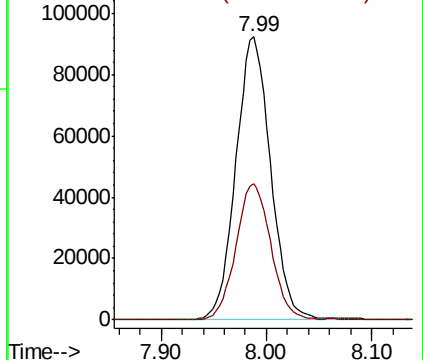
65 100

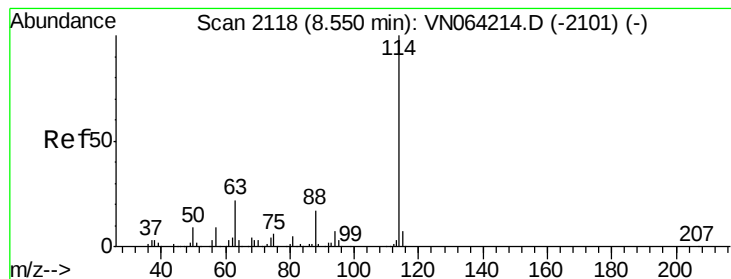
67 48.2 0.0 100.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

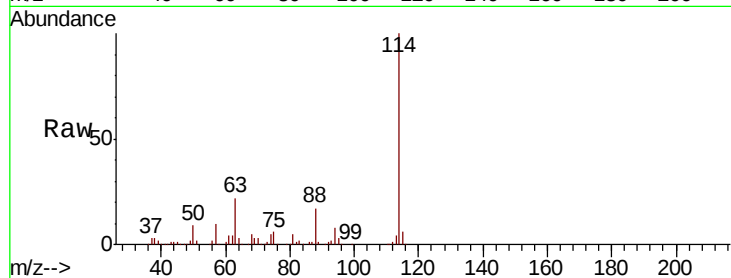
Tot Ion:114 Resp: 425620

Ion Ratio Lower Upper

114 100

63 21.7 0.0 44.0

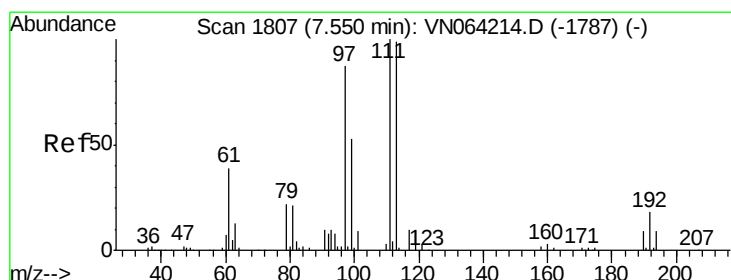
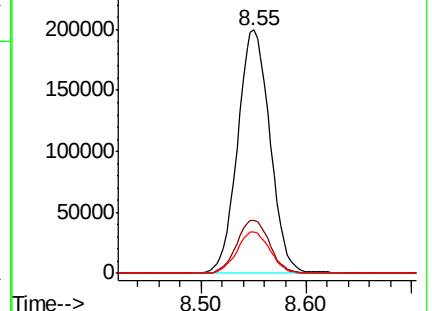
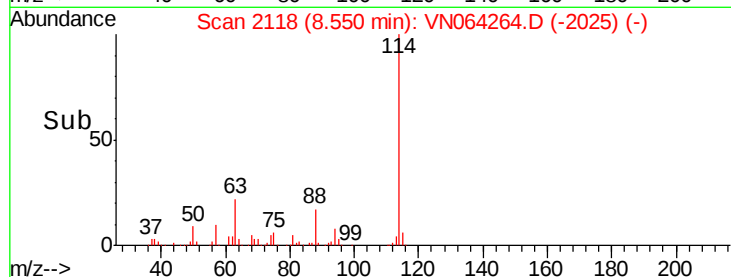
88 17.1 0.0 34.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.885 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

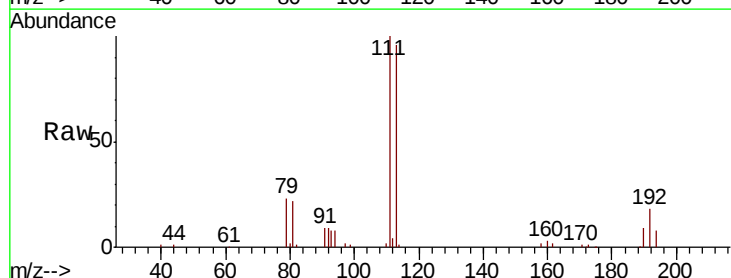
Tgt Ion:113 Resp: 143992

Ion Ratio Lower Upper

113 100

111 104.2 84.2 126.2

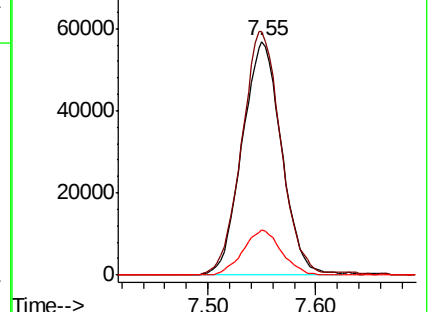
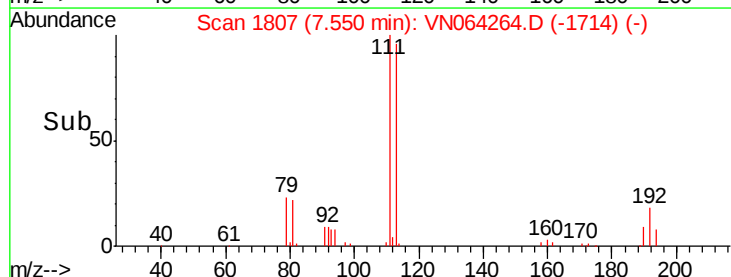
192 18.9 15.2 22.8

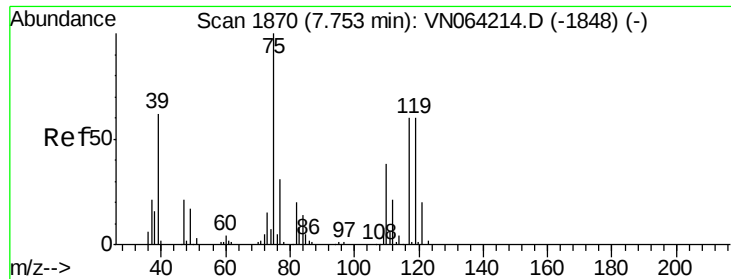


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

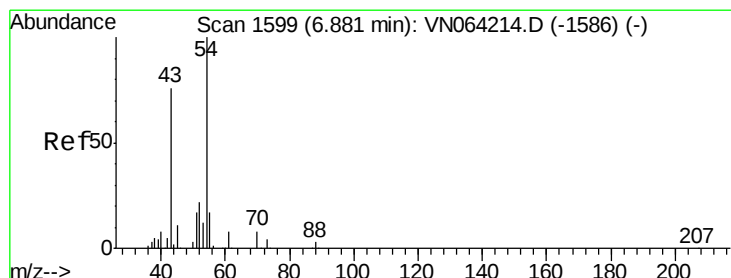
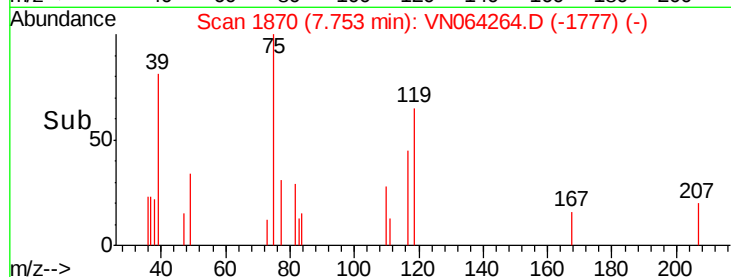
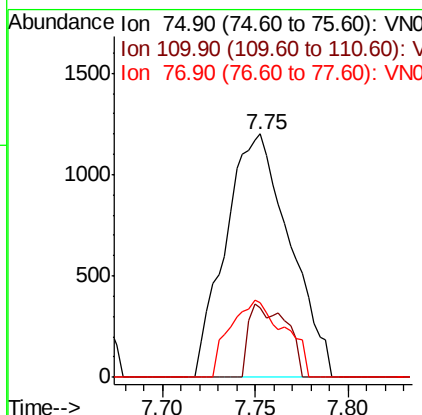
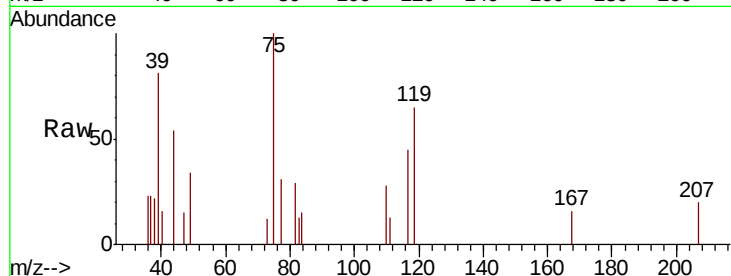




#36
 1,1-Dichloropropene
 Concen: 0.679 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

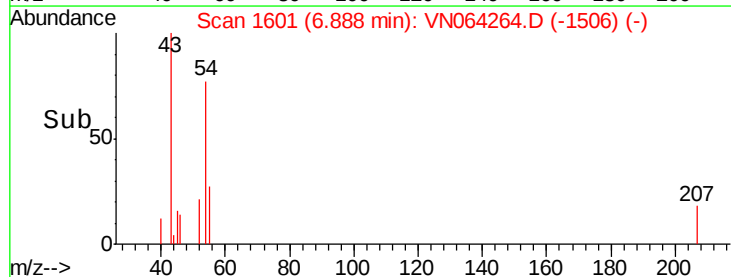
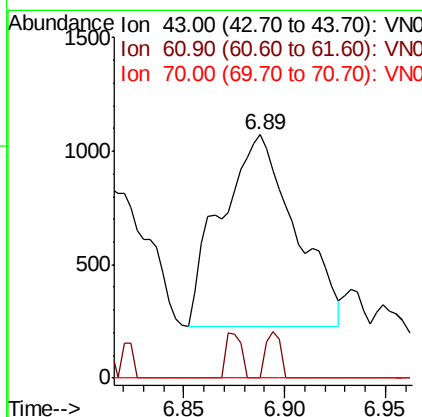
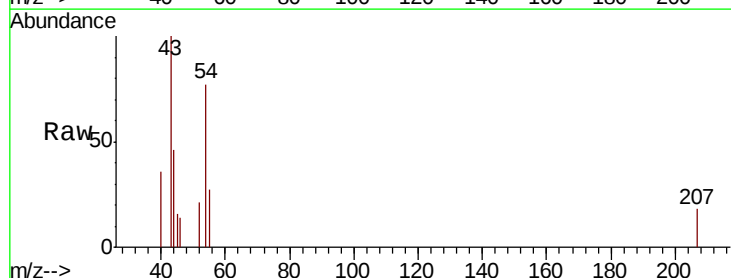
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

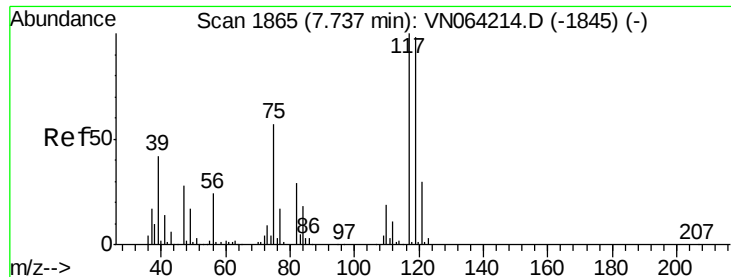
Tot Ion: 75 Resp: 2883
 Ion Ratio Lower Upper
 75 100
 110 17.6 17.2 51.6
 77 26.9 24.9 37.3



#37
 Ethyl Acetate
 Concen: 0.557 ug/l
 RT: 6.89 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

Tgt Ion: 43 Resp: 2146
 Ion Ratio Lower Upper
 43 100
 61 4.8 10.0 15.0#
 70 0.0 7.5 11.3#

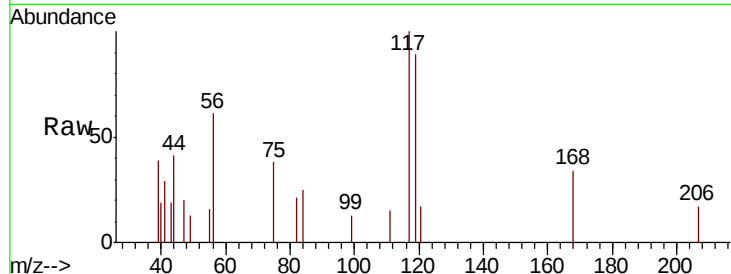




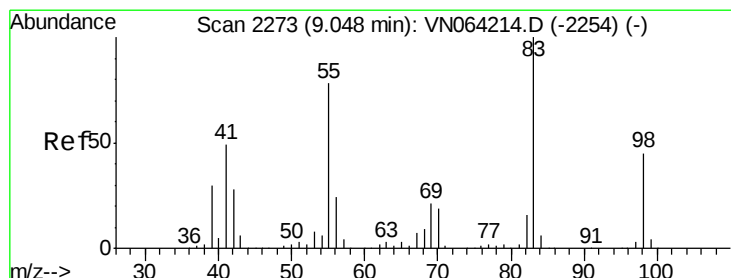
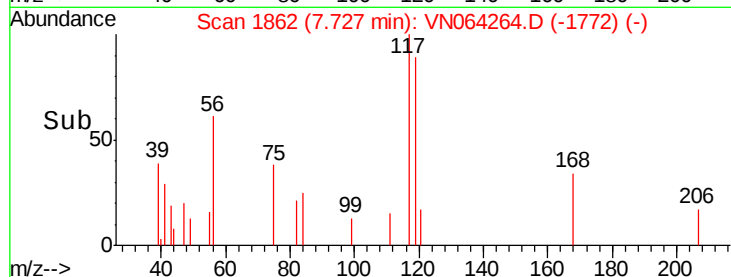
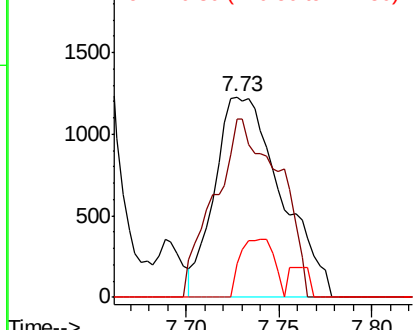
#38
Carbon Tetrachloride
Concen: 0.634 ug/l
RT: 7.73 min Scan# 1862
Delta R.T. -0.01 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion:117 Resp: 3060
Ion Ratio Lower Upper
117 100
119 89.0 78.5 117.7
121 16.9 24.3 36.5#

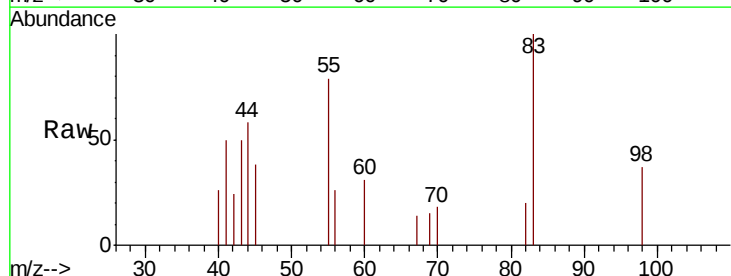


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

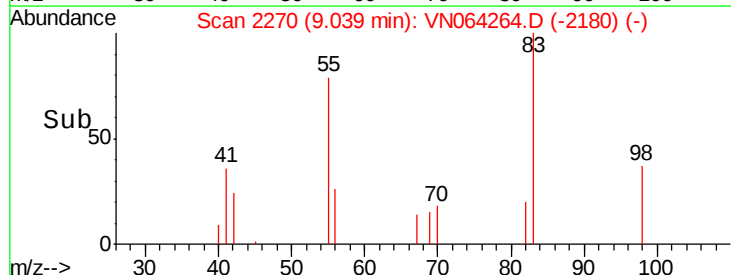
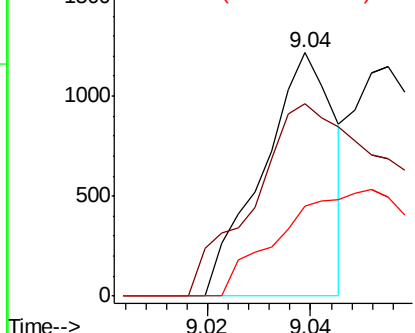


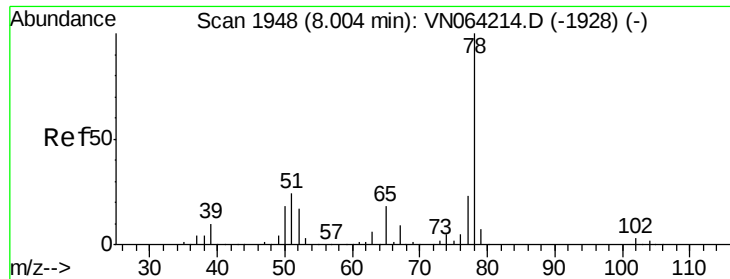
#39
Methylcyclohexane
Concen: 0.304 ug/l
RT: 9.04 min Scan# 2270
Delta R.T. -0.01 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Tgt Ion: 83 Resp: 1173
Ion Ratio Lower Upper
83 100
55 79.1 62.2 93.2
98 36.9 35.9 53.9



Abundance Ion 83.00 (82.70 to 83.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 0.649 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

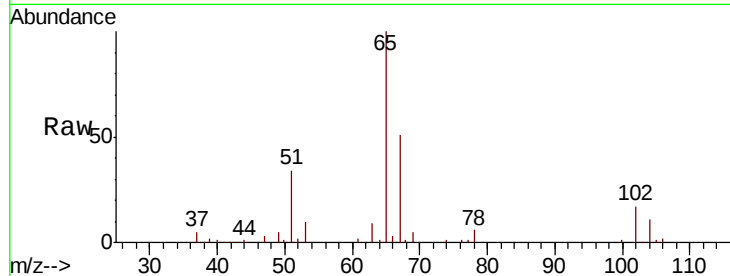
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 78 Resp: 7606

Ion Ratio Lower Upper

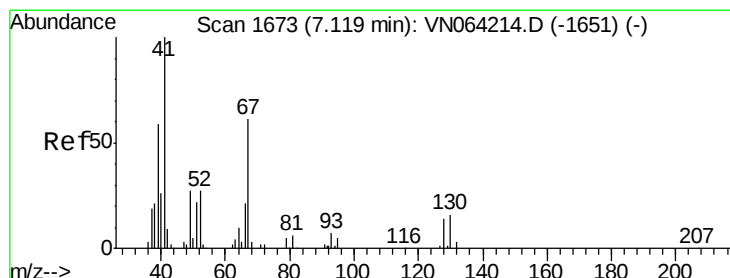
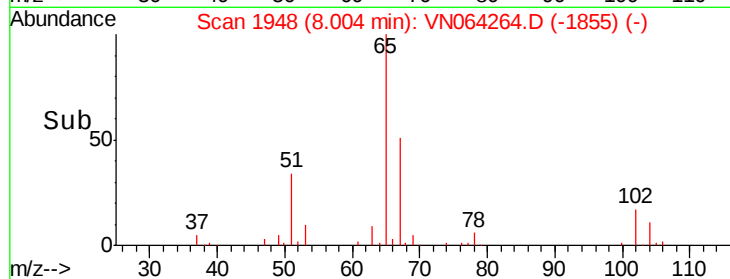
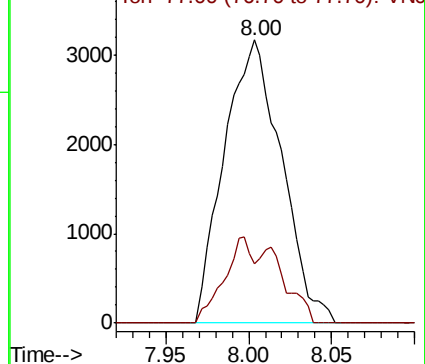
78 100

77 21.0 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#41

Methacrylonitrile

Concen: 0.373 ug/l

RT: 7.13 min Scan# 1676

Delta R.T. 0.01 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Tgt Ion: 41 Resp: 754

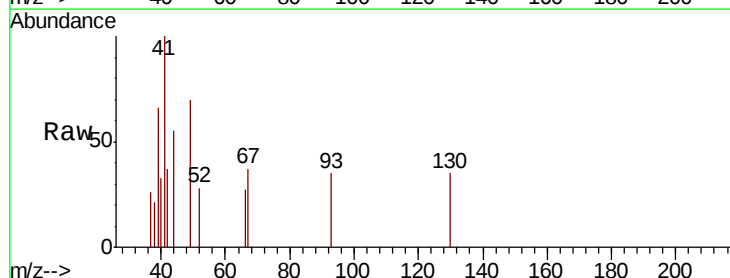
Ion Ratio Lower Upper

41 100

39 33.3 50.5 75.7#

67 63.7 63.2 94.8

52 29.0 29.3 43.9#

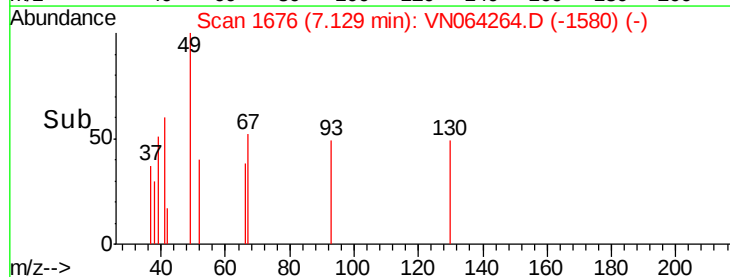
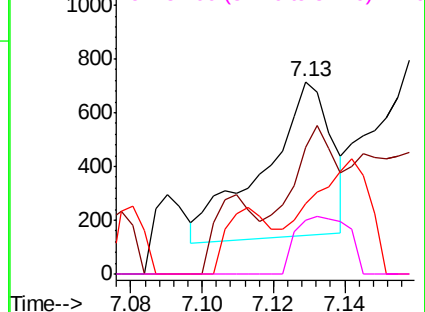


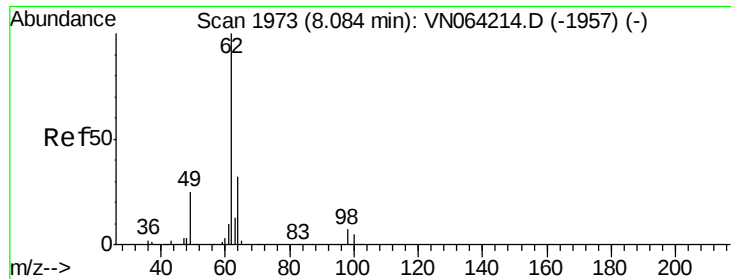
Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#42

1,2-Dichloroethane

Concen: 0.290 ug/l

RT: 8.07 min Scan# 1970

Delta R.T. -0.01 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

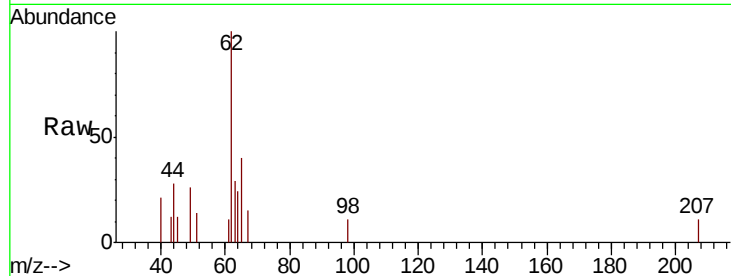
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 62 Resp: 1453

Ion Ratio Lower Upper

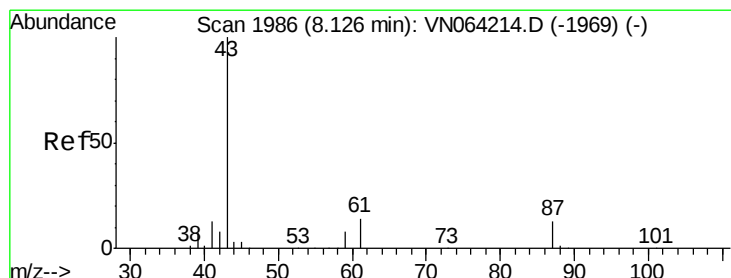
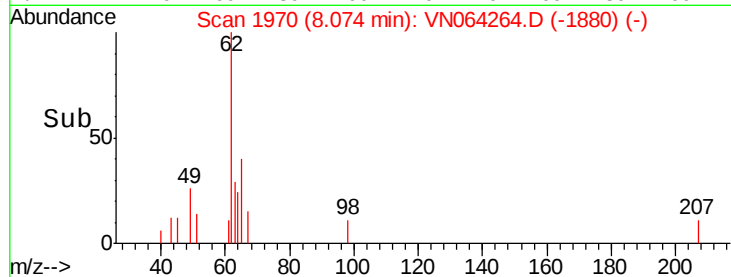
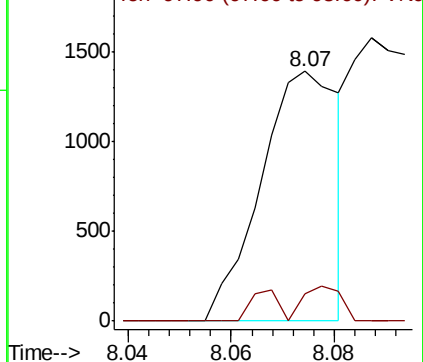
62 100

98 6.9 0.0 15.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#43

Isopropyl Acetate

Concen: 0.697 ug/l

RT: 8.14 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

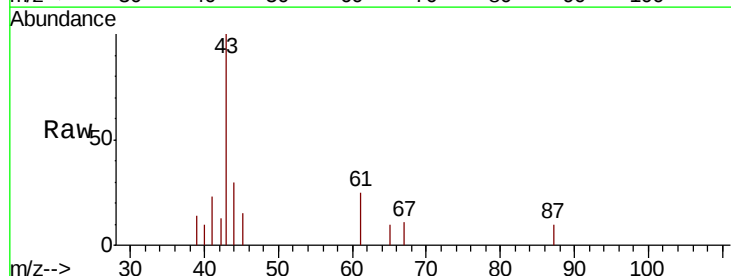
Tgt Ion: 43 Resp: 5007

Ion Ratio Lower Upper

43 100

61 7.7 19.6 29.4#

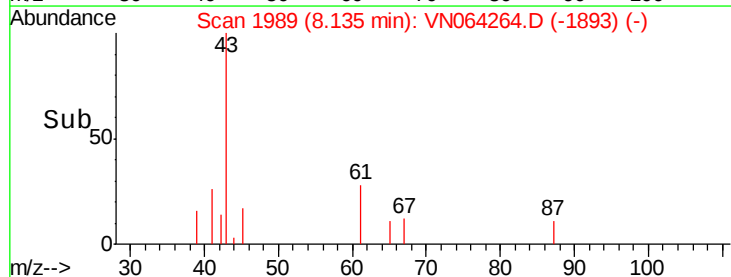
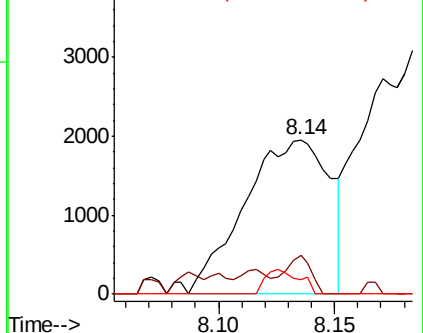
87 6.3 9.8 14.6#

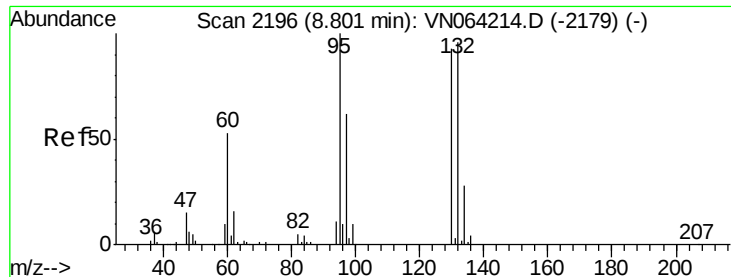


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

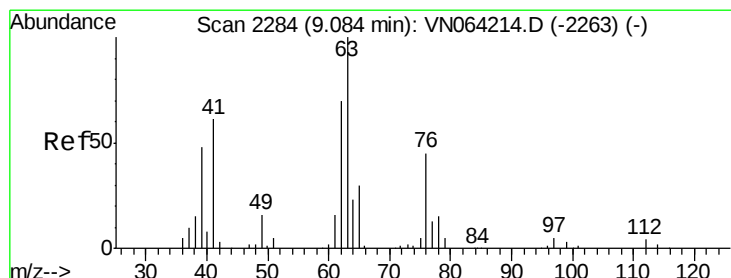
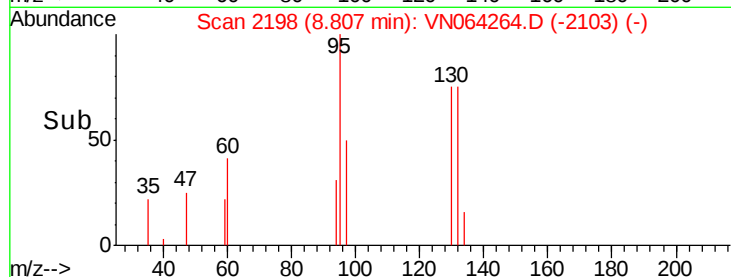
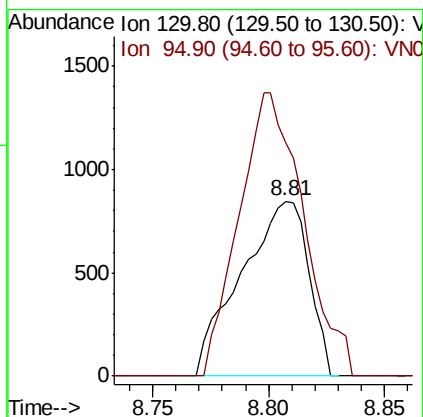
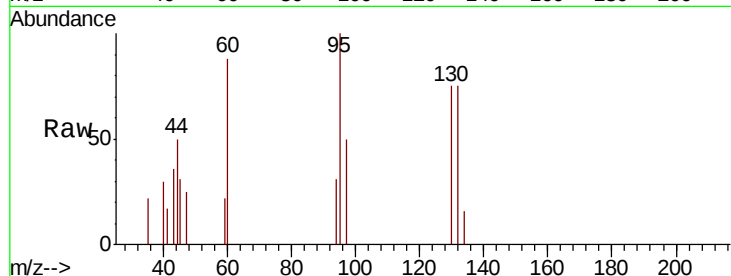




#44
 Trichloroethene
 Concen: 0.539 ug/l
 RT: 8.81 min Scan# 2198
 Delta R.T. 0.01 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

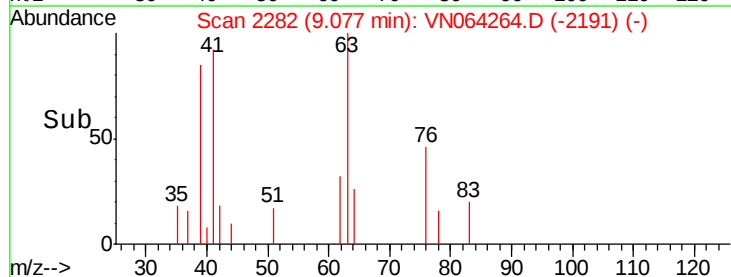
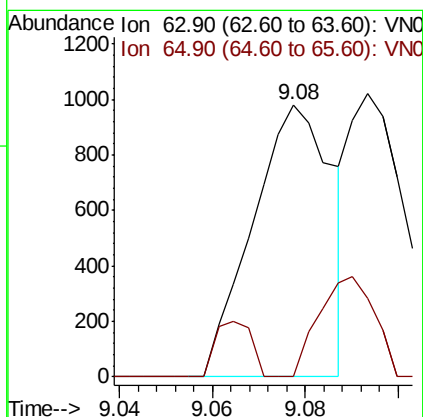
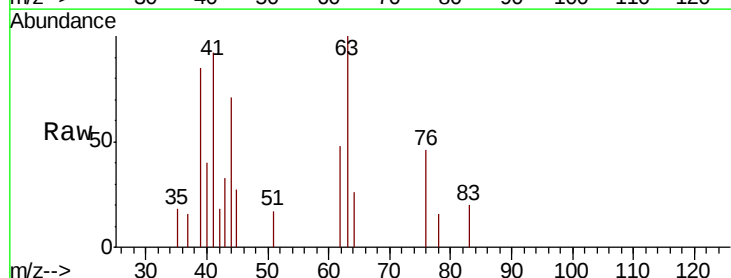
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

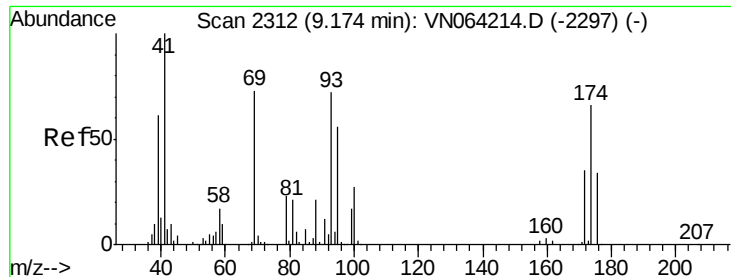
Tot Ion:130 Resp: 1720
 Ion Ratio Lower Upper
 130 100
 95 133.2 0.0 214.0



#45
 1,2-Dichloropropane
 Concen: 0.371 ug/l
 RT: 9.08 min Scan# 2282
 Delta R.T. -0.01 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

Tgt Ion: 63 Resp: 1161
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.0 36.0#





#46

Dibromomethane

Concen: 0.640 ug/l

RT: 9.18 min Scan# 2314

Delta R.T. 0.01 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

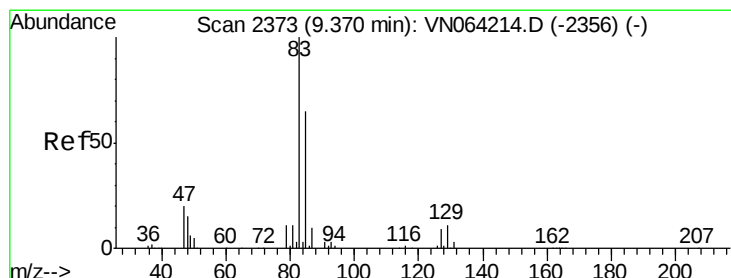
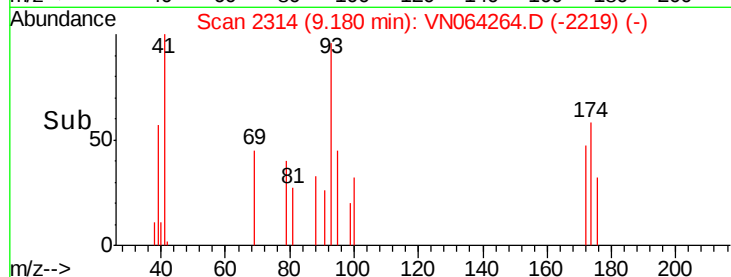
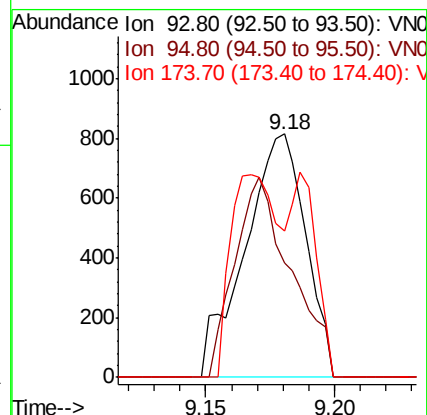
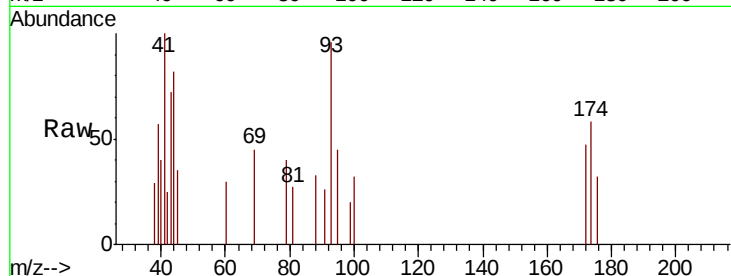
Tot Ion: 93 Resp: 1343

Ion Ratio Lower Upper

93 100

95 0.0 63.0 94.4#

174 35.8 72.9 109.3#



#47

Bromodichloromethane

Concen: 0.701 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

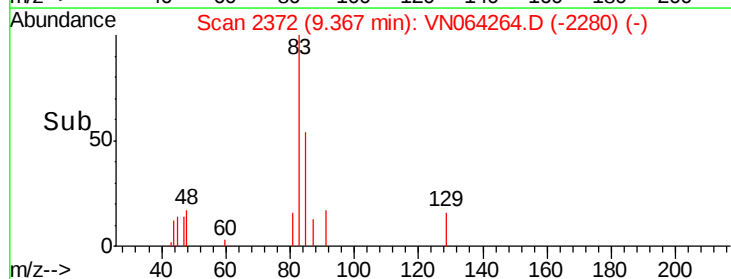
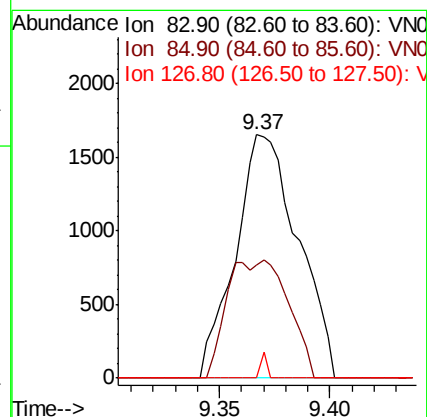
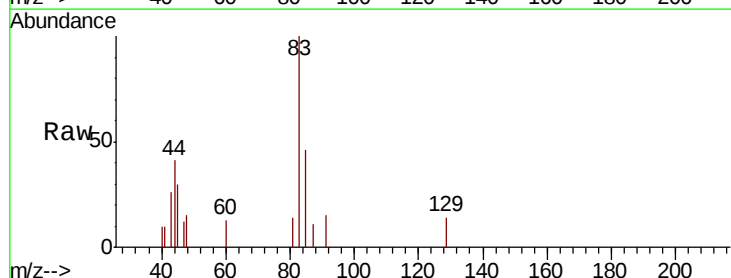
Tgt Ion: 83 Resp: 3251

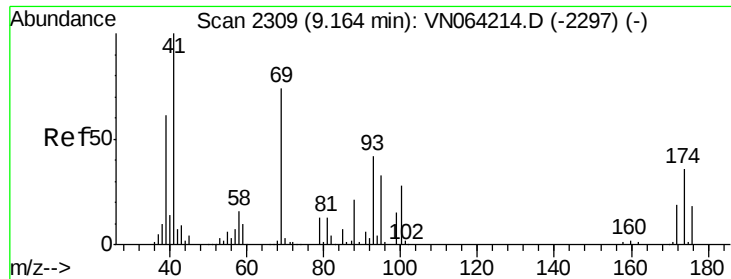
Ion Ratio Lower Upper

83 100

85 46.3 51.8 77.8#

127 0.0 7.4 11.0#

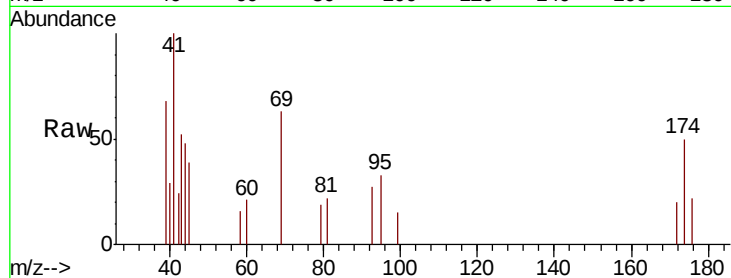




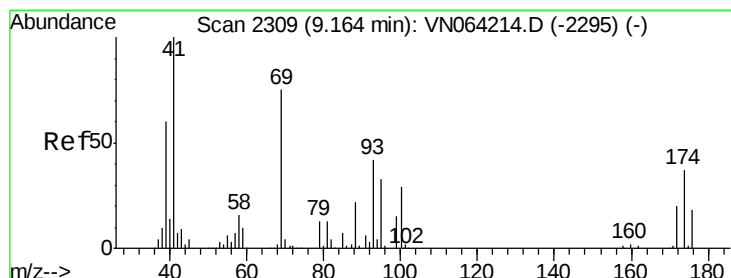
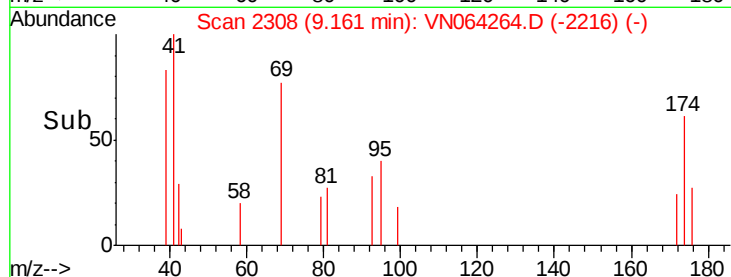
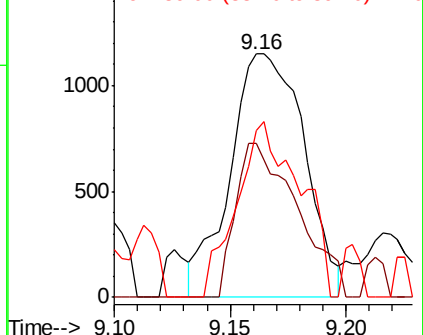
#48
Methvl methacrylate
Concen: 0.681 ug/l
RT: 9.16 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 41 Resp: 2554
Ion Ratio Lower Upper
41 100
69 52.7 57.3 85.9#
39 61.9 48.6 73.0

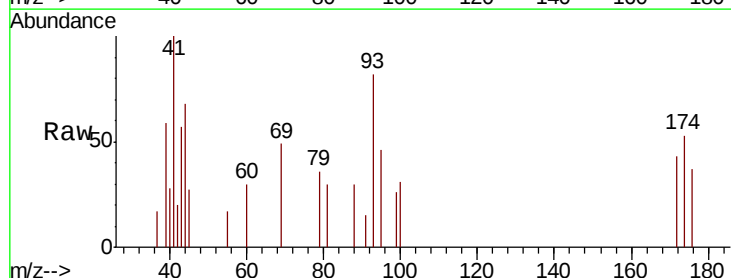


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

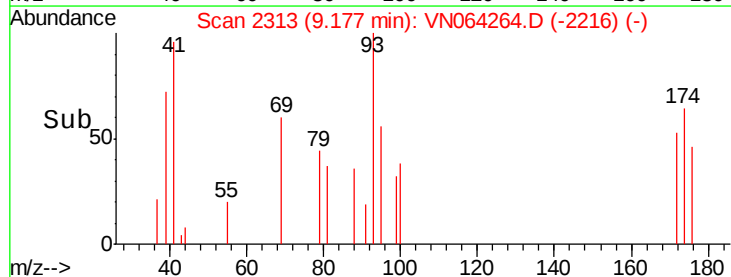
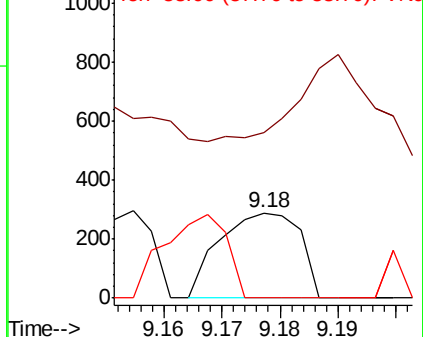


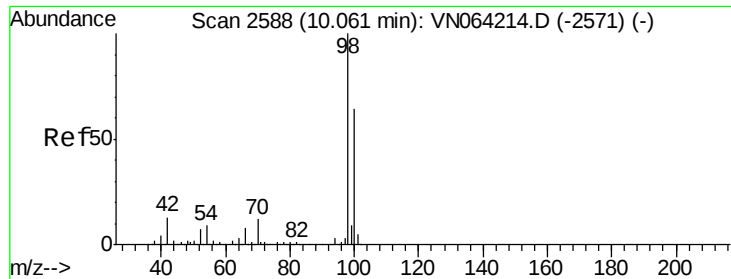
#49
1,4-Dioxane
Concen: 6.312 ug/l
RT: 9.18 min Scan# 2313
Delta R.T. 0.01 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Tgt Ion: 88 Resp: 277
Ion Ratio Lower Upper
88 100
43 0.0 34.6 52.0#
58 76.5 59.0 88.6



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





#50

Toluene-d8

Concen: 50.433 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

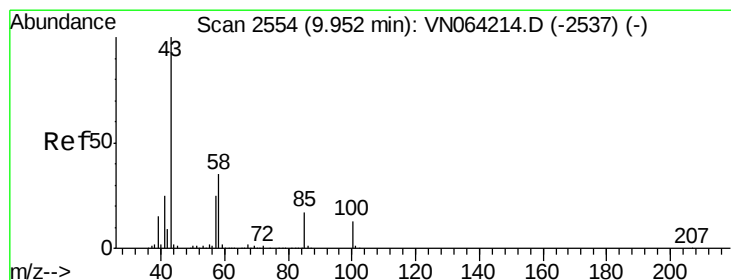
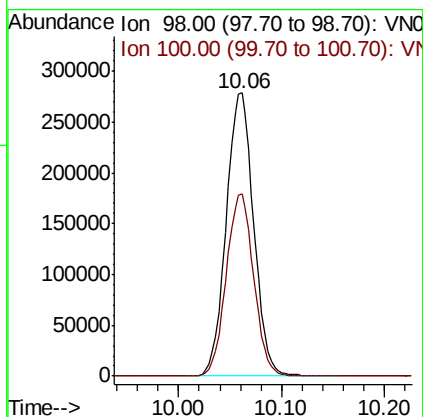
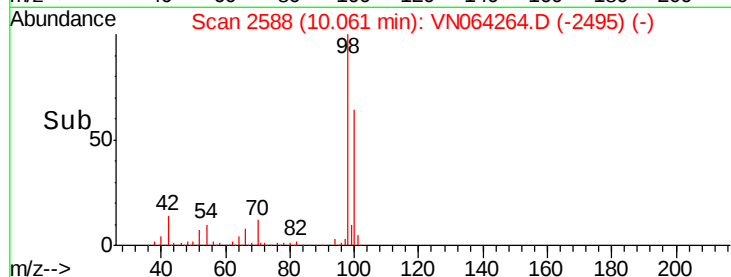
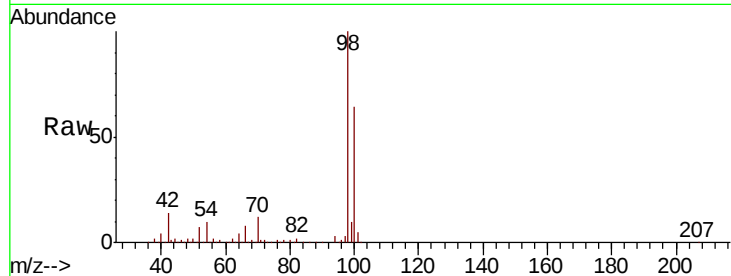
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 98 Resp: 517690

Ion Ratio Lower Upper

98 100

100 64.3 50.8 76.2



#51

4-Methyl-2-Pentanone

Concen: 3.094 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064264.D

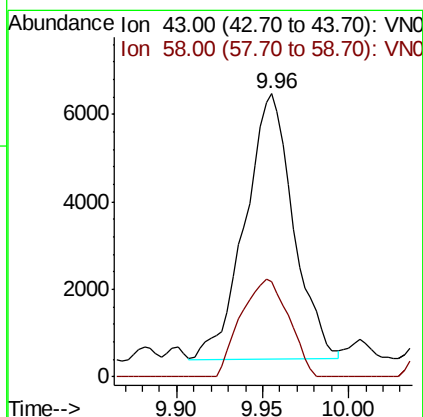
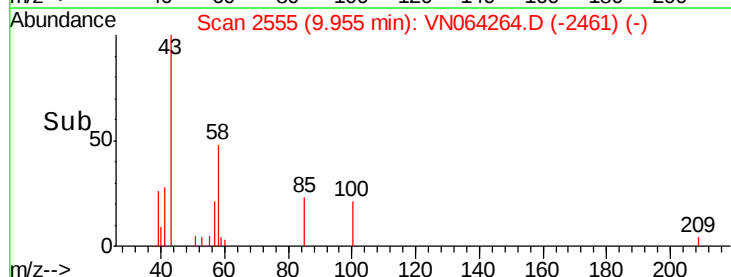
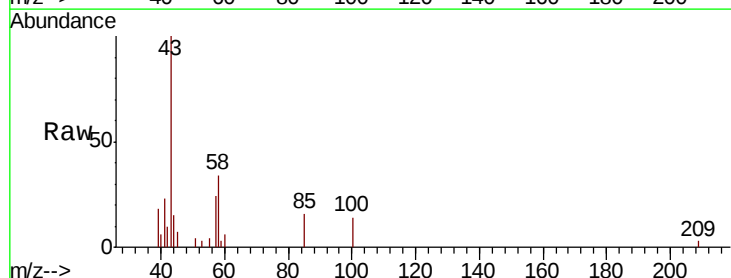
Acq: 22 Oct 2020 20:51

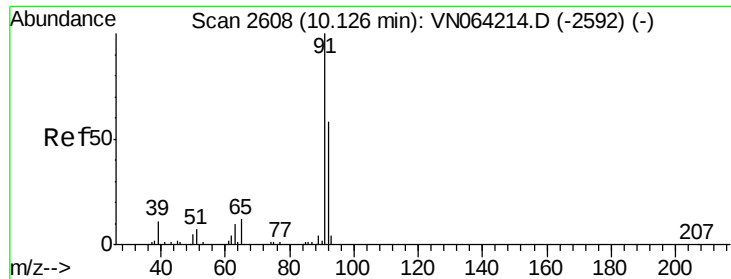
Tgt Ion: 43 Resp: 11874

Ion Ratio Lower Upper

43 100

58 36.4 28.6 42.8





#52

Toluene

Concen: 0.602 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

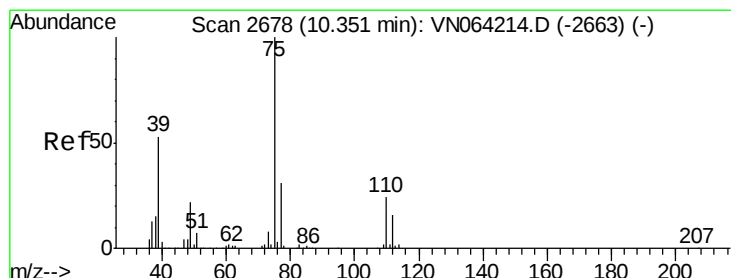
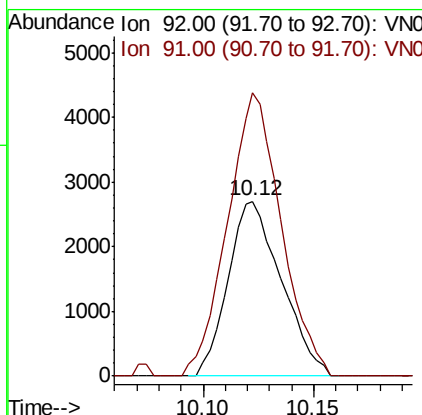
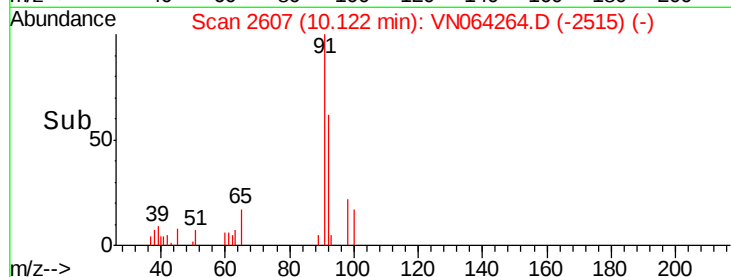
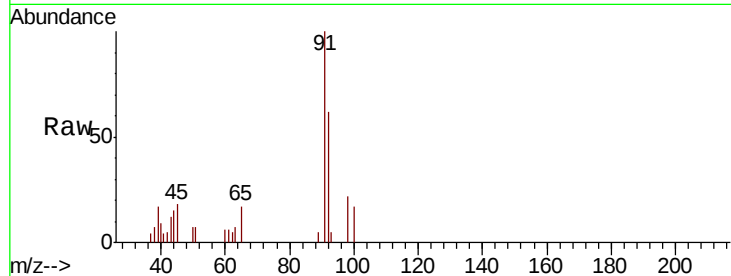
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 92 Resp: 4515

Ion Ratio Lower Upper

92 100

91 163.8 137.4 206.2



#53

t-1,3-Dichloropropene

Concen: 0.711 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN064264.D

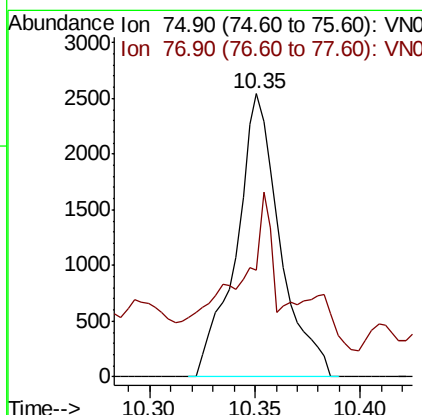
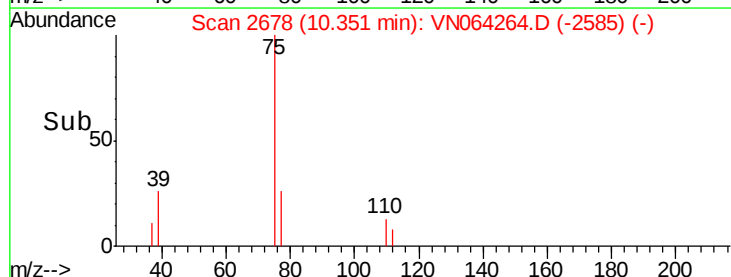
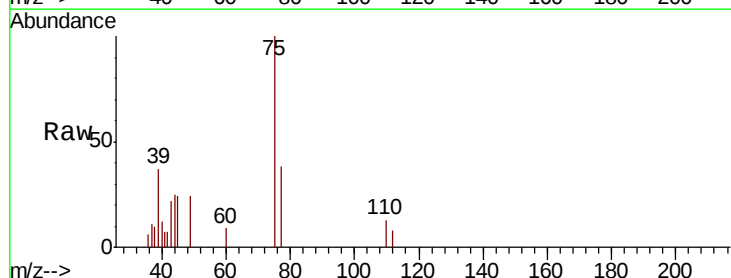
Acq: 22 Oct 2020 20:51

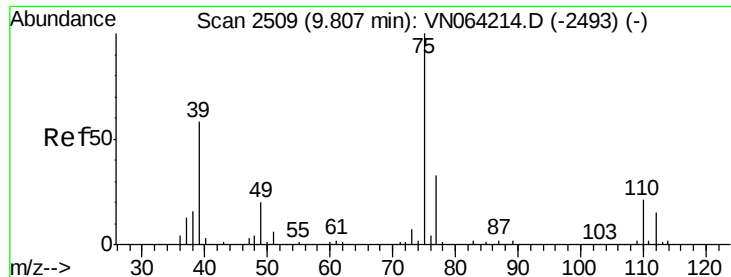
Tgt Ion: 75 Resp: 3665

Ion Ratio Lower Upper

75 100

77 23.0 25.4 38.2#



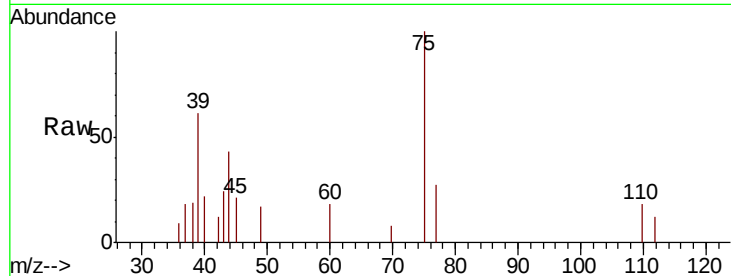


#54

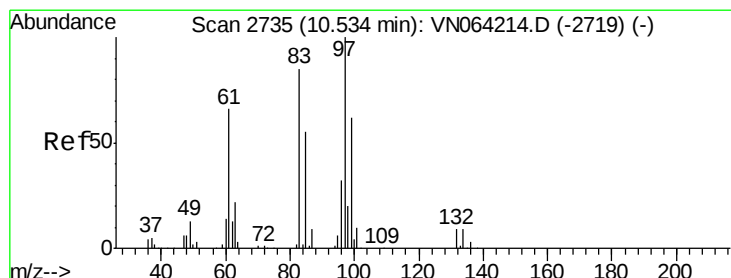
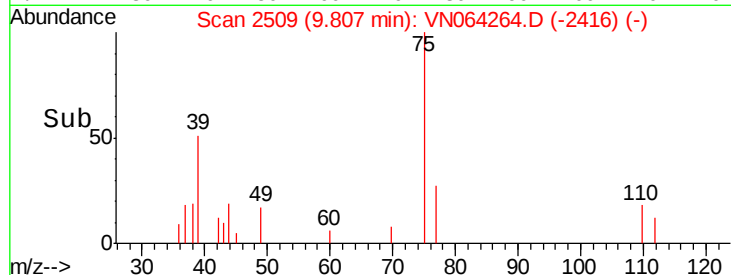
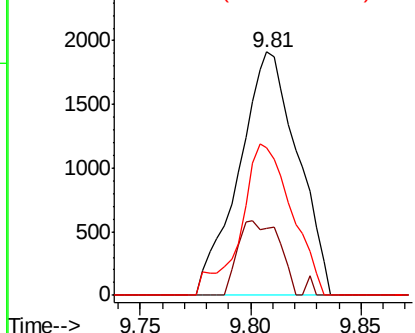
cis-1,3-Dichloropropene
Concen: 0.650 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 75 Resp: 3526
Ion Ratio Lower Upper
75 100
77 27.5 26.6 39.8
39 60.6 46.7 70.1



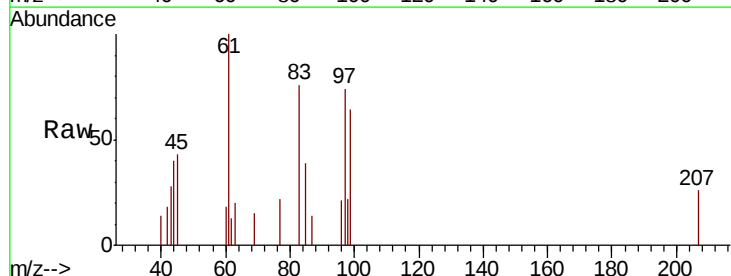
Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO



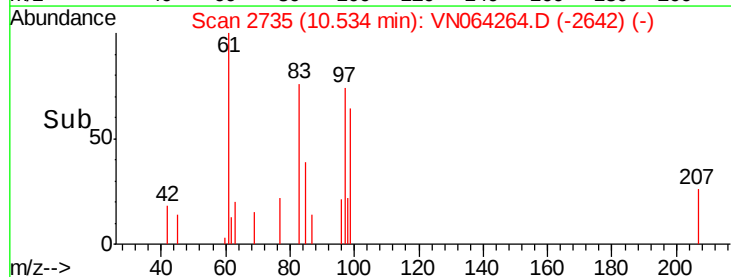
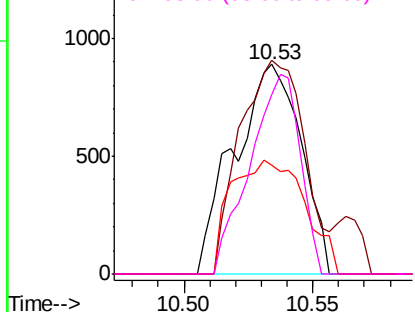
#55

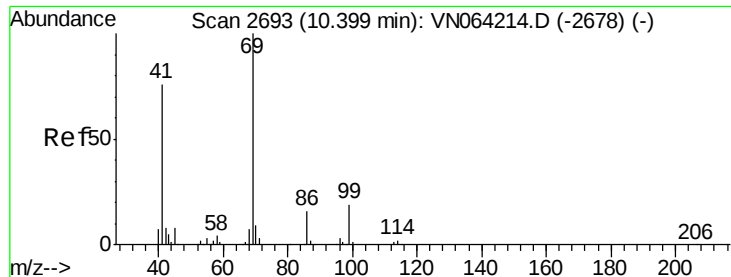
1,1,2-Trichloroethane
Concen: 0.568 ug/l
RT: 10.53 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Tgt Ion: 97 Resp: 1609
Ion Ratio Lower Upper
97 100
83 102.0 67.8 101.6#
85 52.1 43.6 65.4
99 85.8 49.9 74.9#



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 98.90 (98.60 to 99.60): VNO





#56

Ethyl methacrylate

Concen: 0.587 ug/l

RT: 10.40 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

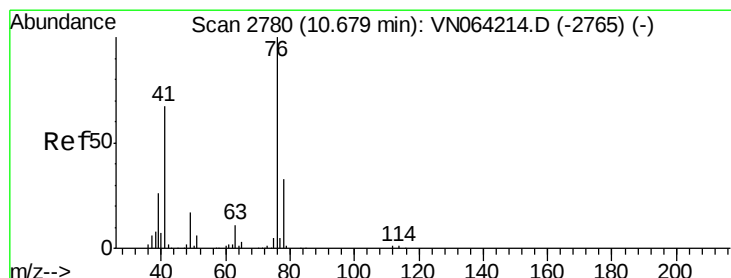
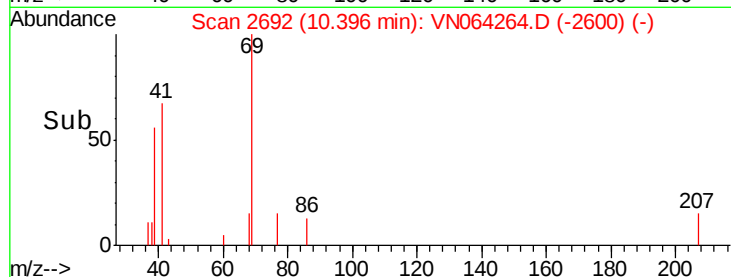
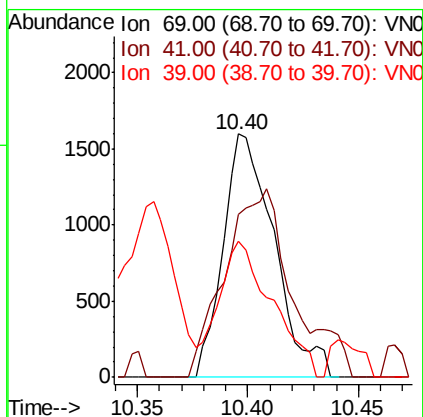
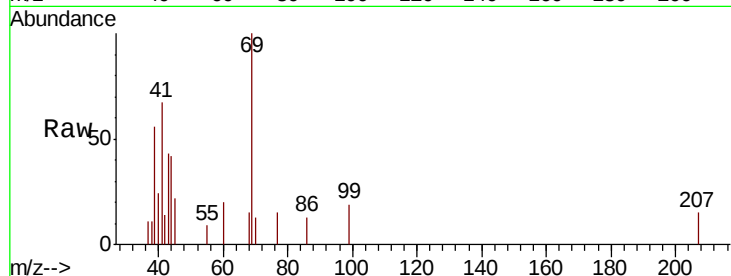
Tot Ion: 69 Resp: 2571

Ion Ratio Lower Upper

69 100

41 94.4 61.4 92.2#

39 58.8 36.0 54.0#



#57

1,3-Dichloropropane

Concen: 0.554 ug/l

RT: 10.68 min Scan# 2781

Delta R.T. 0.00 min

Lab File: VN064264.D

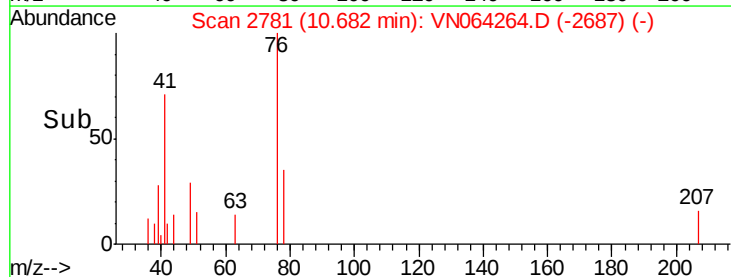
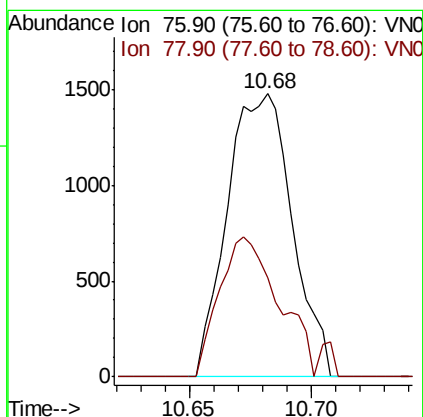
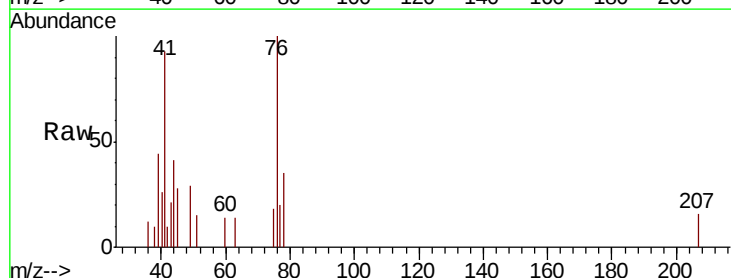
Acq: 22 Oct 2020 20:51

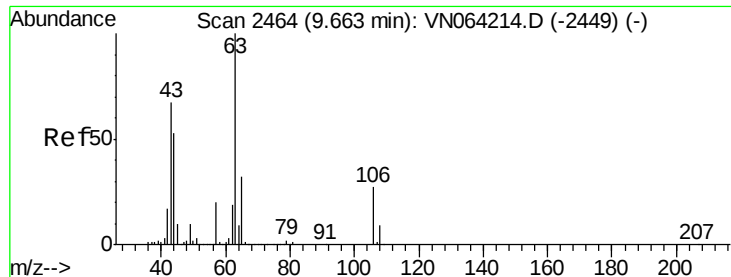
Tgt Ion: 76 Resp: 2723

Ion Ratio Lower Upper

76 100

78 45.7 26.2 39.2#

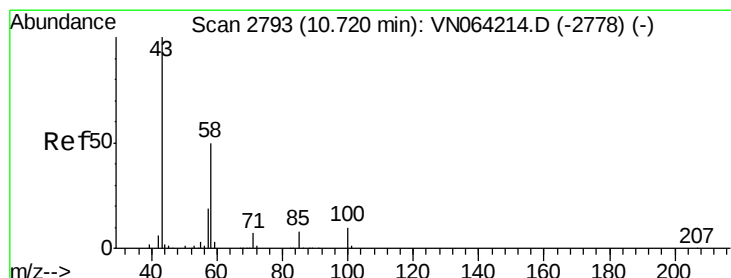
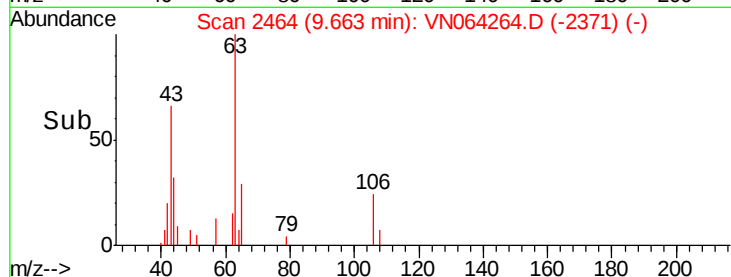
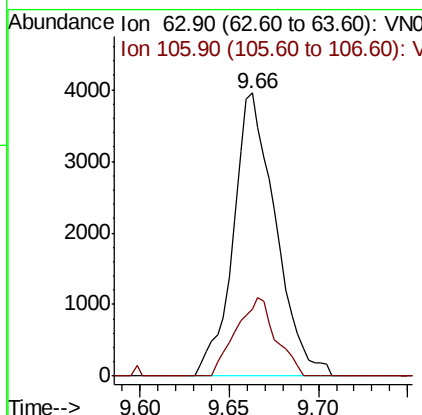
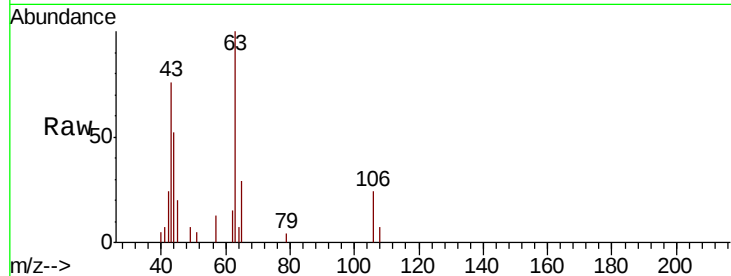




#58
 2-Chloroethyl Vinyl ether
 Concen: 2.912 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

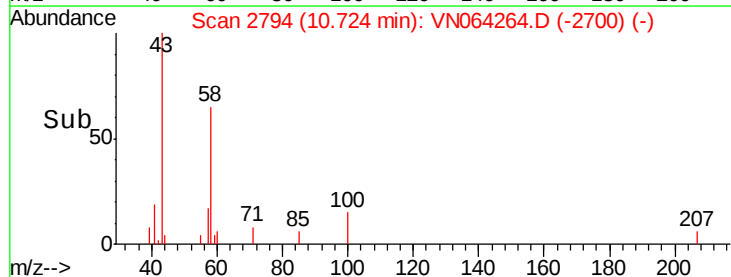
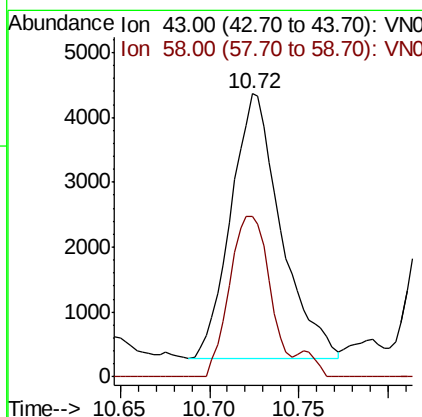
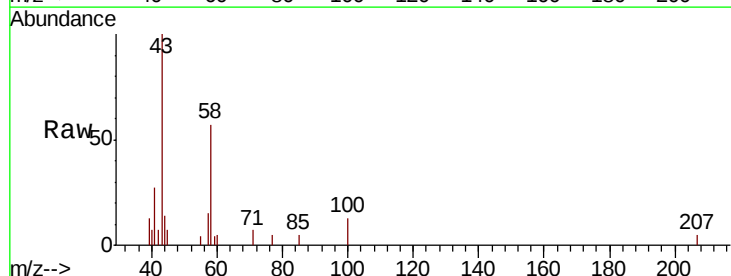
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

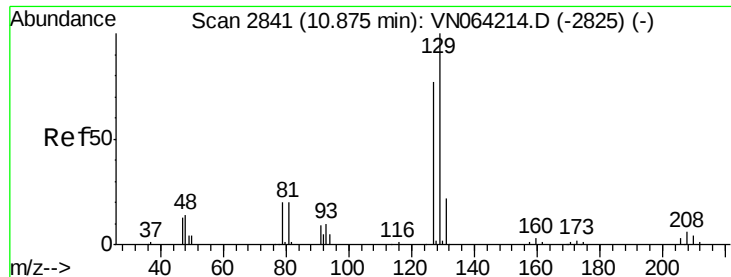
Tot Ion: 63 Resp: 6564
 Ion Ratio Lower Upper
 63 100
 106 25.9 21.3 31.9



#59
 2-Hexanone
 Concen: 2.868 ug/l
 RT: 10.72 min Scan# 2794
 Delta R.T. 0.00 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

Tgt Ion: 43 Resp: 8038
 Ion Ratio Lower Upper
 43 100
 58 48.7 24.8 74.3





#60

Dibromochloromethane

Concen: 0.461 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

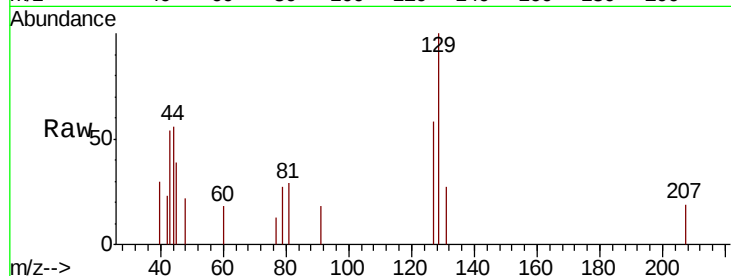
LOD-MDL-WATER-01-QT4-2020

Tot Ion:129 Resp: 1689

Ion Ratio Lower Upper

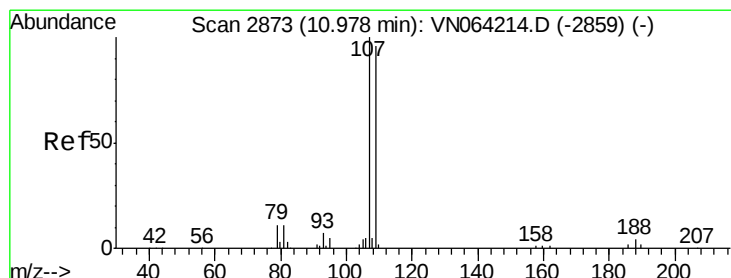
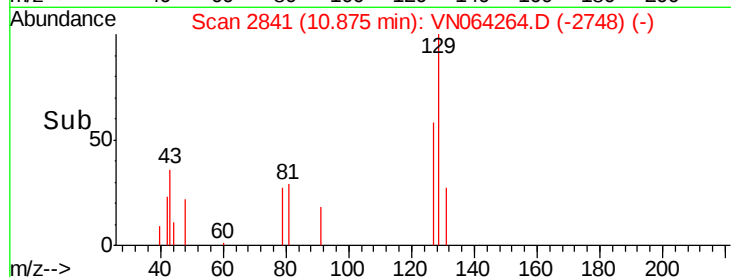
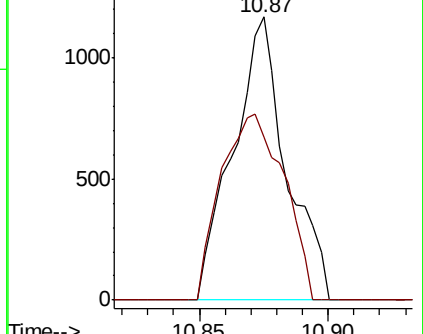
129 100

127 77.6 38.8 116.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.557 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN064264.D

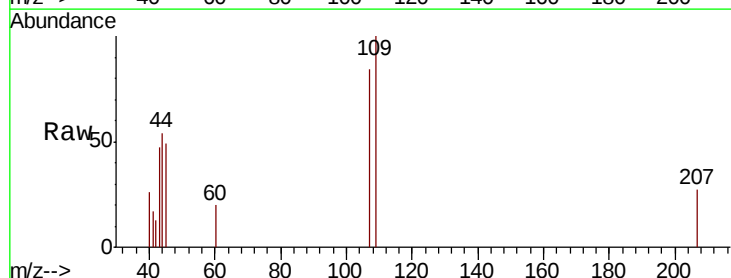
Acq: 22 Oct 2020 20:51

Tgt Ion:107 Resp: 1664

Ion Ratio Lower Upper

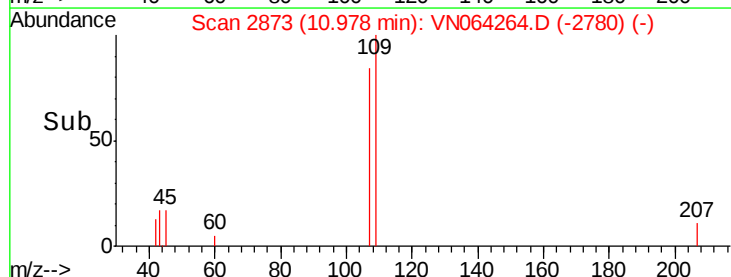
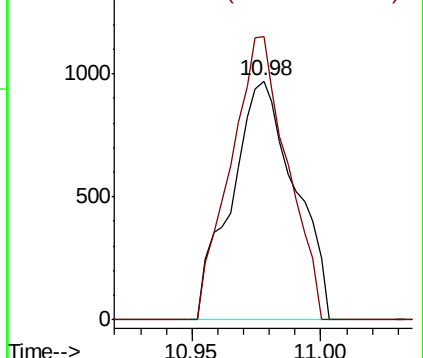
107 100

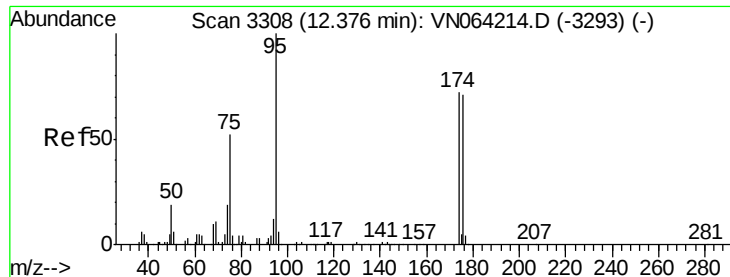
109 106.1 76.2 114.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 47.420 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

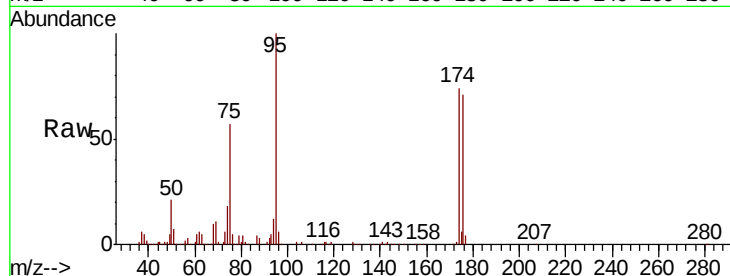
Tot Ion: 95 Resp: 197329

Ion Ratio Lower Upper

95 100

174 71.9 0.0 144.4

176 70.5 0.0 139.2



Abundance Ion 94.90 (94.60 to 95.60): VN064264.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN064264.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN064264.D (-3293) (-)

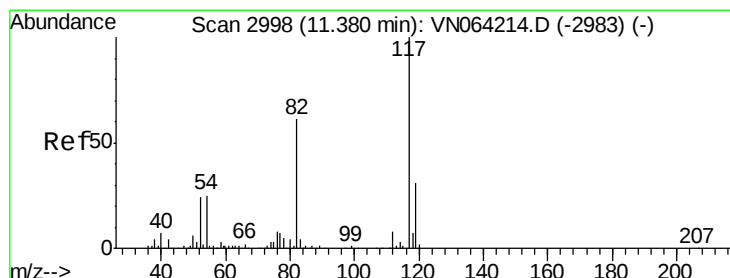
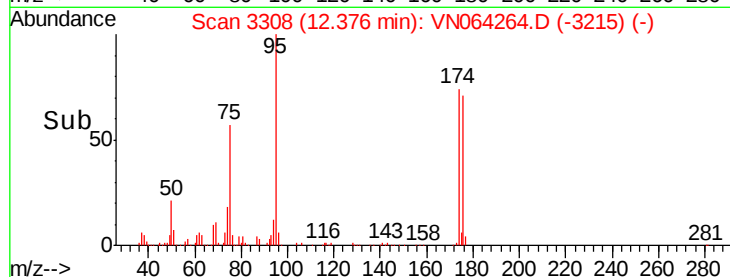
12.38

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

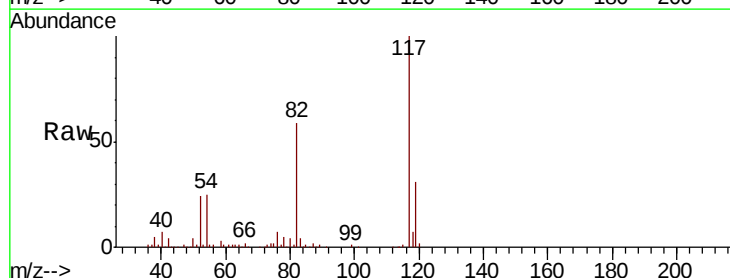
Tgt Ion: 117 Resp: 382820

Ion Ratio Lower Upper

117 100

82 59.3 48.8 73.2

119 31.1 24.7 37.1



Abundance Ion 116.90 (116.60 to 117.60): VN064264.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN064264.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN064264.D (-2983) (-)

11.38

300000

250000

200000

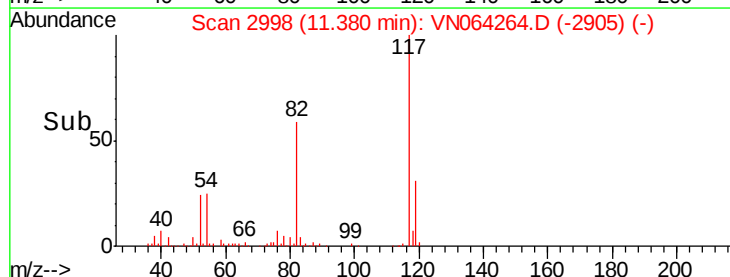
150000

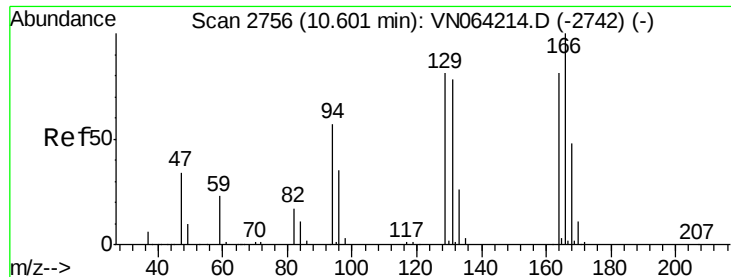
100000

50000

0

Time-->





#64

Tetrachloroethene

Concen: 0.594 ug/l

RT: 10.61 min Scan# 2758

Delta R.T. 0.01 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:164 Resp: 1830

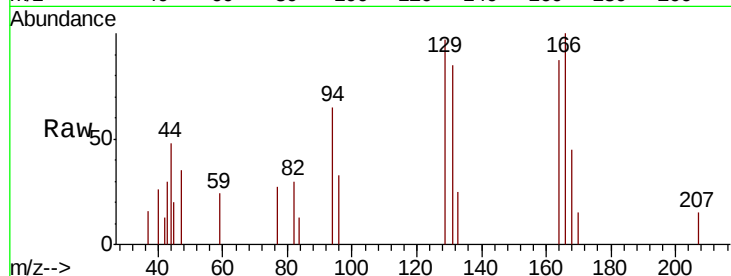
Ion Ratio Lower Upper

164 100

166 114.8 98.9 148.3

129 111.6 79.9 119.9

131 97.3 76.7 115.1

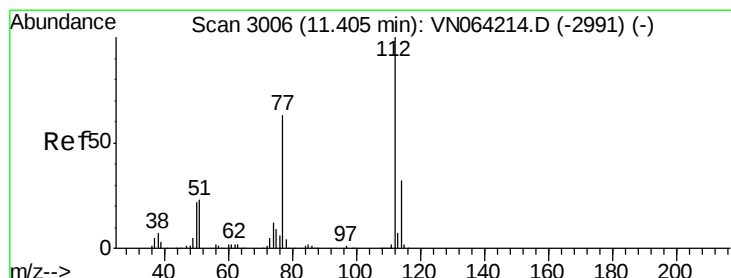
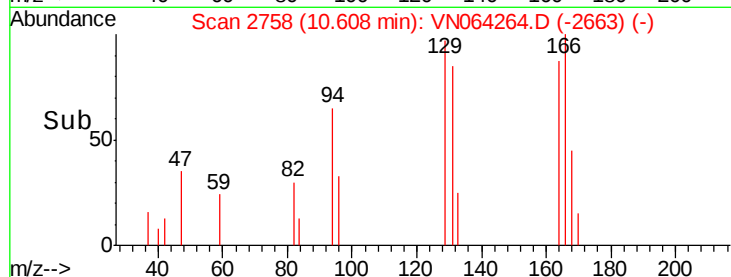
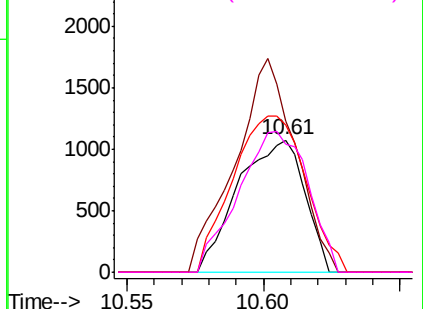


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.537 ug/l

RT: 11.40 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VN064264.D

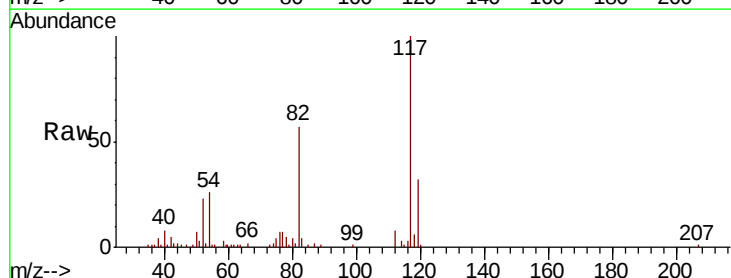
Acq: 22 Oct 2020 20:51

Tgt Ion:112 Resp: 4255

Ion Ratio Lower Upper

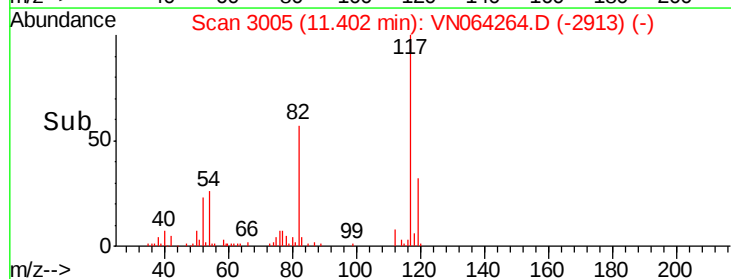
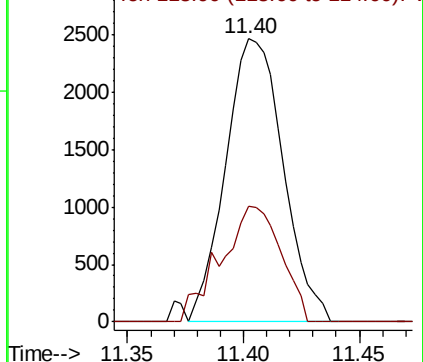
112 100

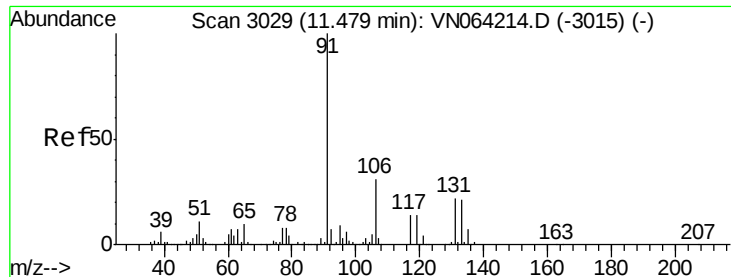
114 40.8 25.7 38.5#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 0.622 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

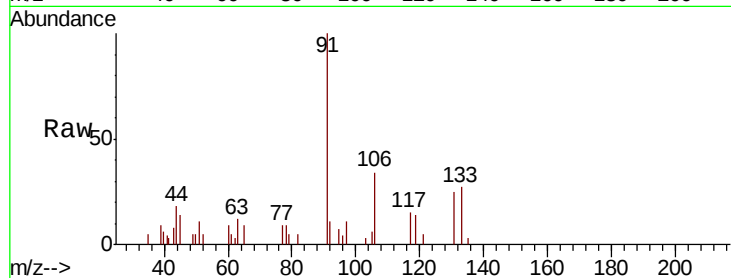
Tot Ion:131 Resp: 1958

Ion Ratio Lower Upper

131 100

133 97.1 47.8 143.4

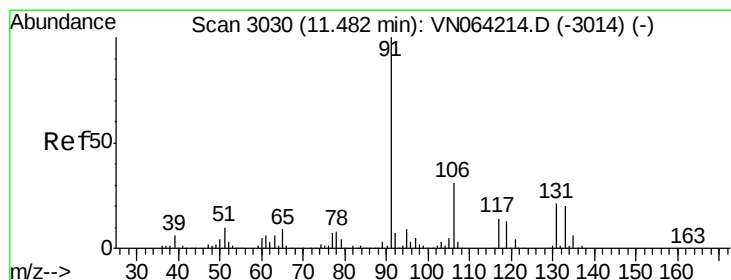
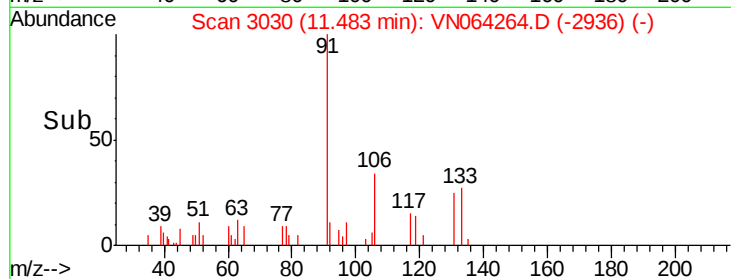
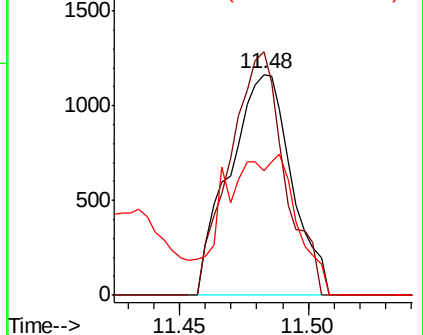
119 0.0 32.2 96.6#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 0.574 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064264.D

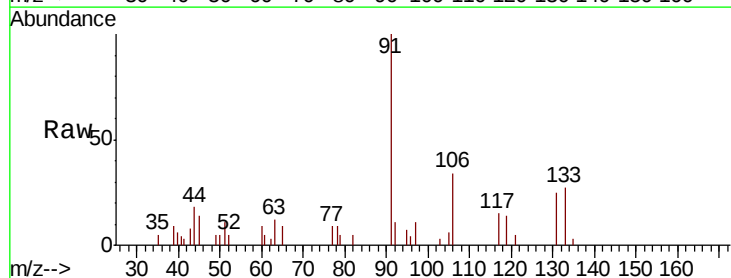
Acq: 22 Oct 2020 20:51

Tgt Ion: 91 Resp: 8360

Ion Ratio Lower Upper

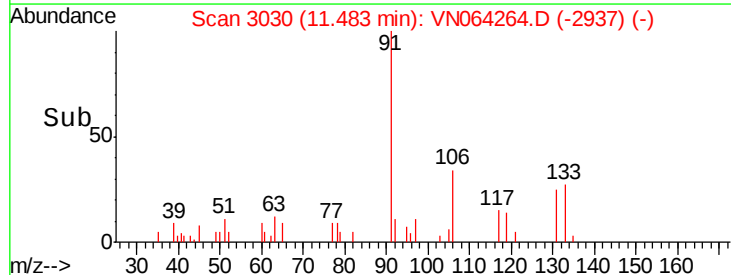
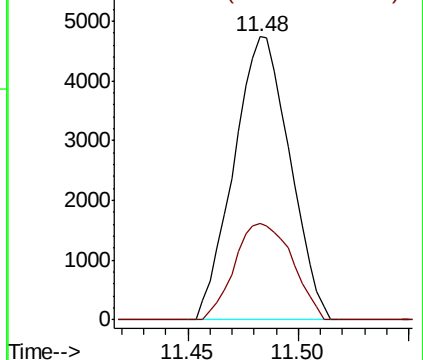
91 100

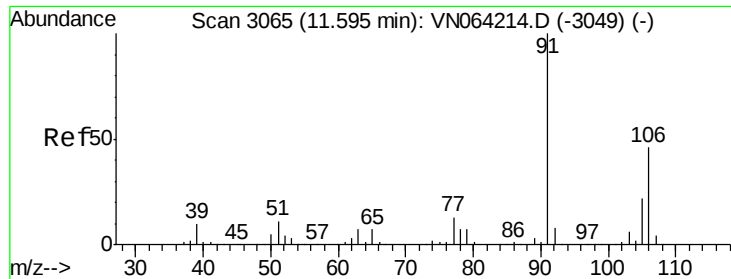
106 34.0 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

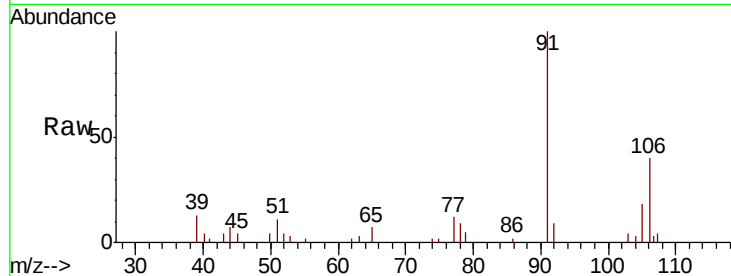




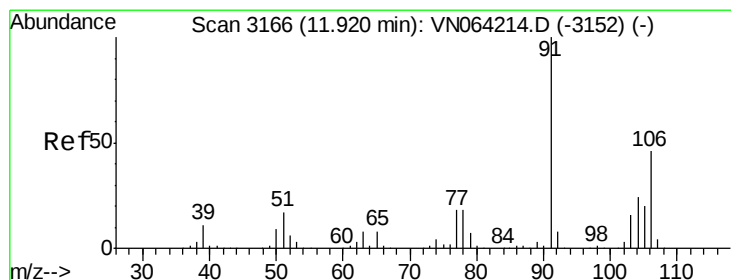
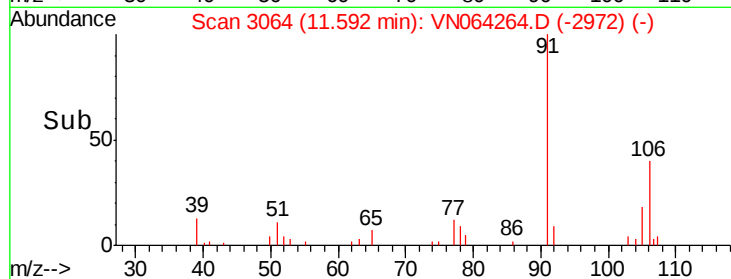
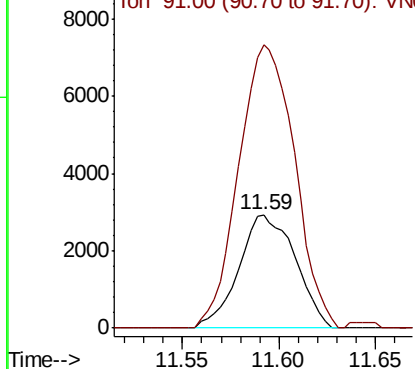
#68
m/p-Xylenes
Concen: 1.105 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion:106 Resp: 5962
Ion Ratio Lower Upper
106 100
91 247.3 172.2 258.2

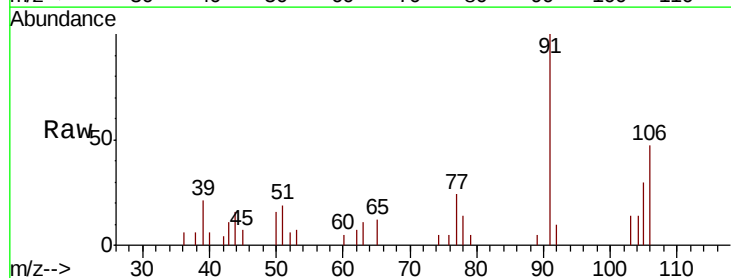


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

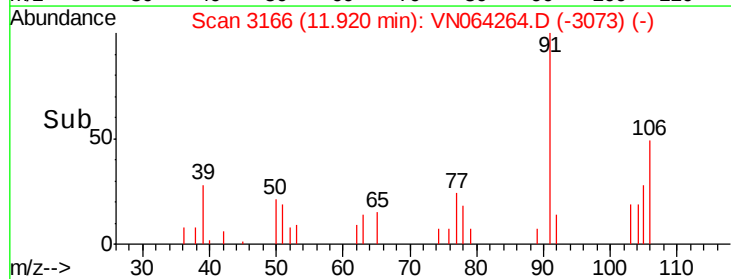
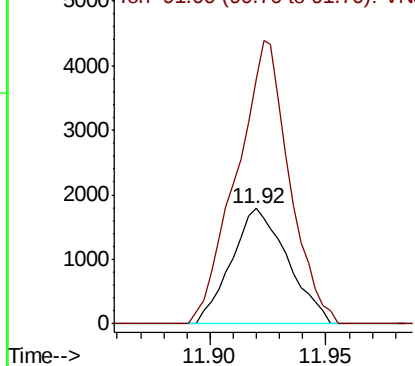


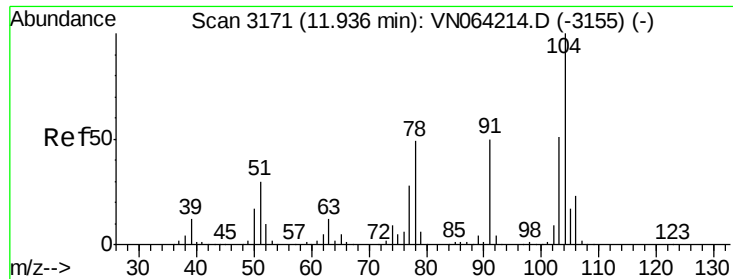
#69
o-Xylene
Concen: 0.575 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Tgt Ion:106 Resp: 3003
Ion Ratio Lower Upper
106 100
91 231.2 109.9 329.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

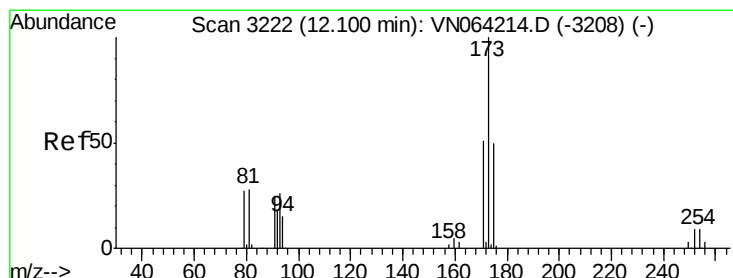
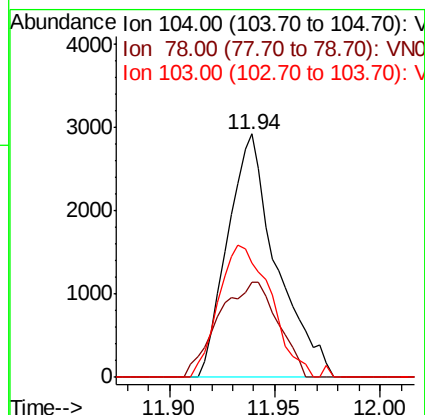
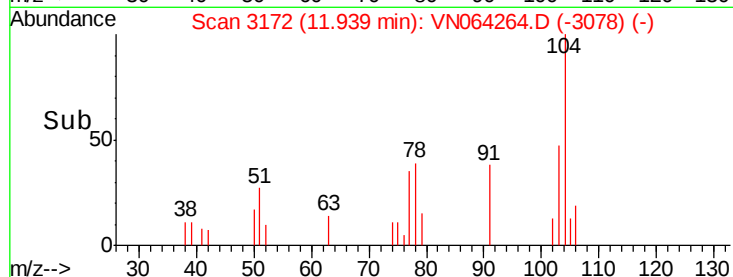
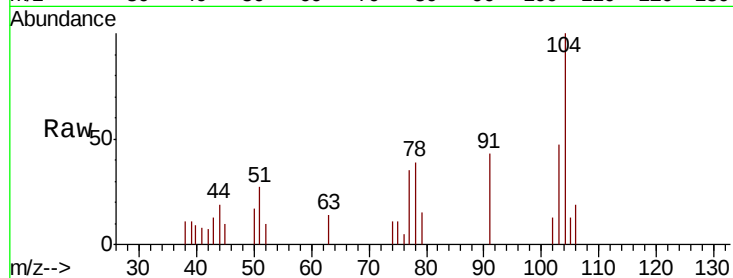




#70
Stvrene
Concen: 0.537 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

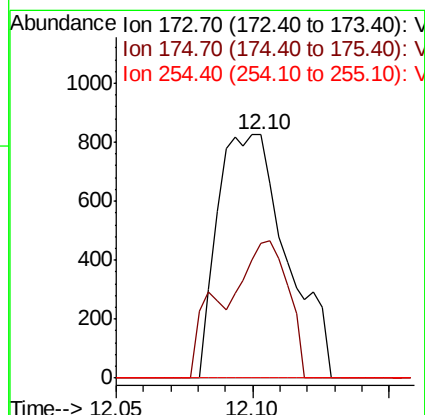
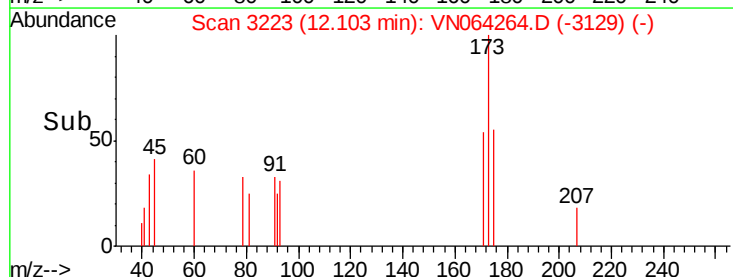
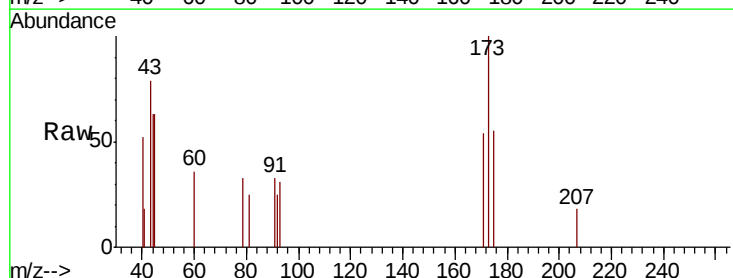
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

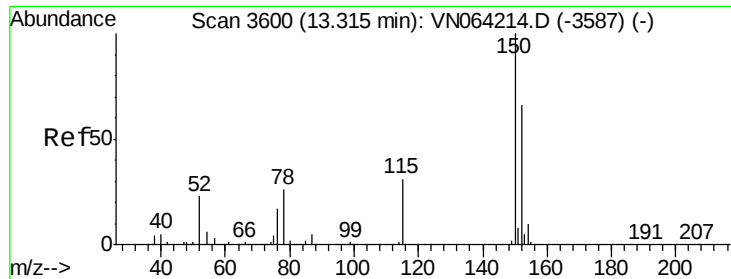
Tot Ion:104 Resp: 4693
Ion Ratio Lower Upper
104 100
78 47.7 43.8 65.6
103 58.2 43.4 65.2



#71
Bromoform
Concen: 0.598 ug/l
RT: 12.10 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN064264.D
Acq: 22 Oct 2020 20:51

Tgt Ion:173 Resp: 1454
Ion Ratio Lower Upper
173 100
175 38.2 25.1 75.3
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

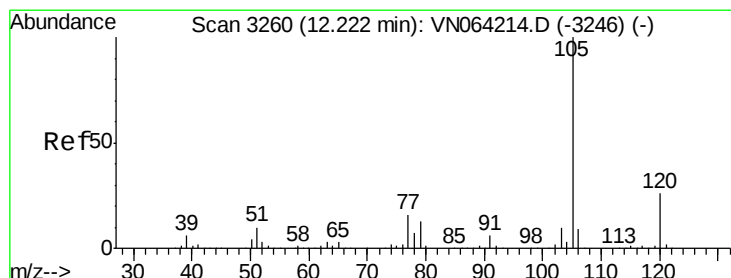
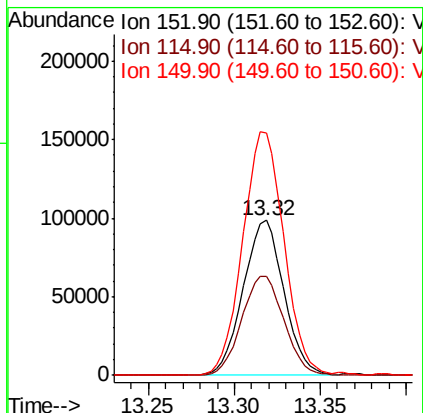
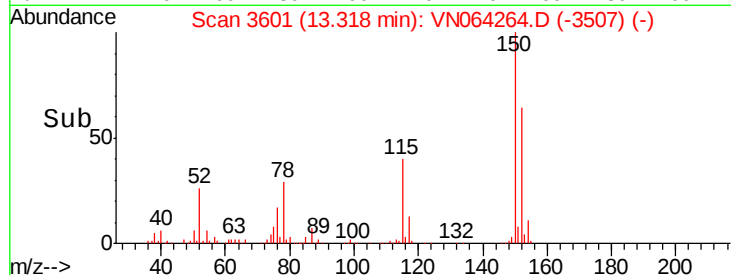
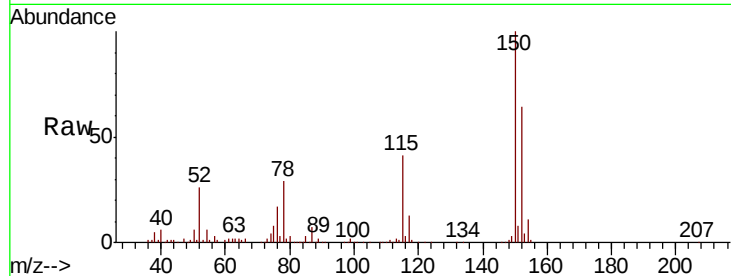
Tot Ion:152 Resp: 162290

Ion Ratio Lower Upper

152 100

115 66.3 32.0 96.2

150 159.2 0.0 356.6



#73

Isopropylbenzene

Concen: 0.585 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN064264.D

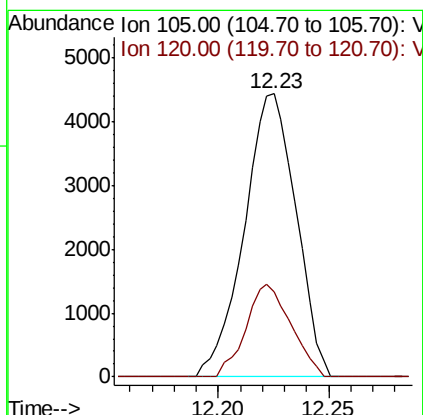
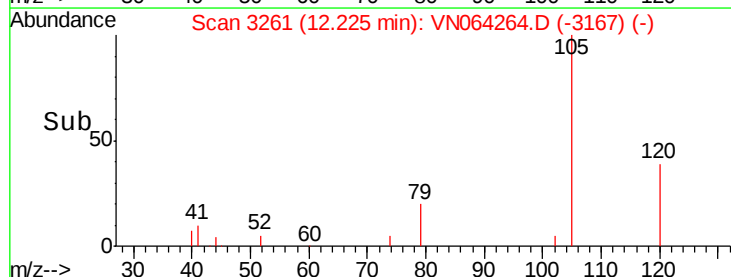
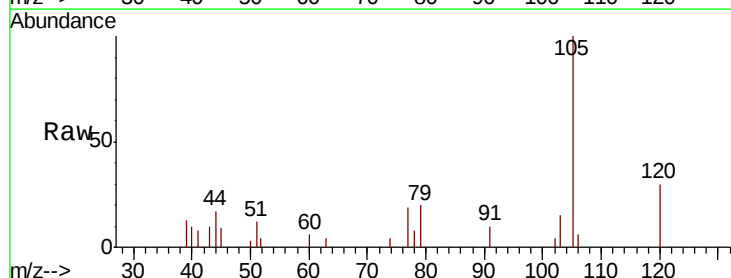
Acq: 22 Oct 2020 20:51

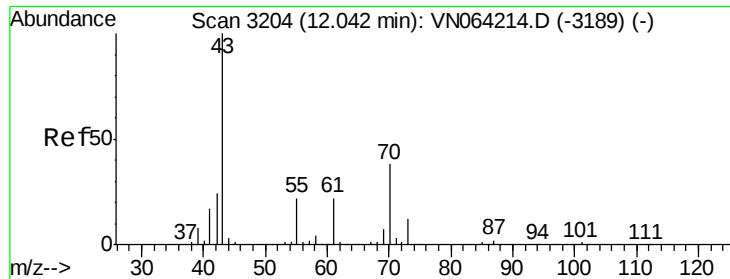
Tgt Ion:105 Resp: 7240

Ion Ratio Lower Upper

105 100

120 28.4 12.9 38.7





#74

N-amvl acetate

Concen: 0.668 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 3571

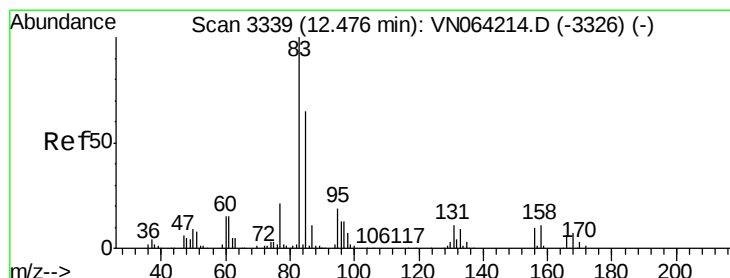
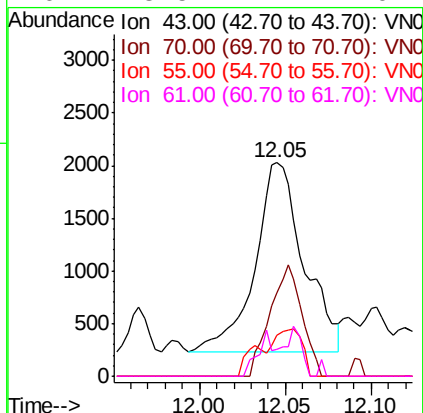
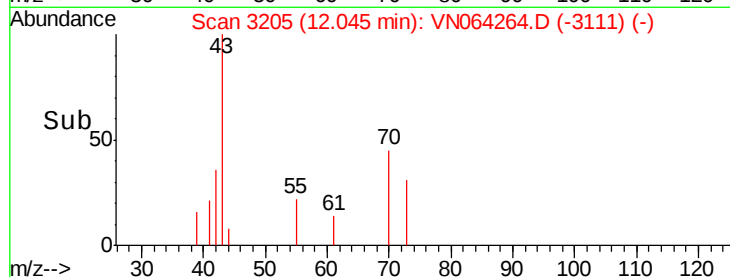
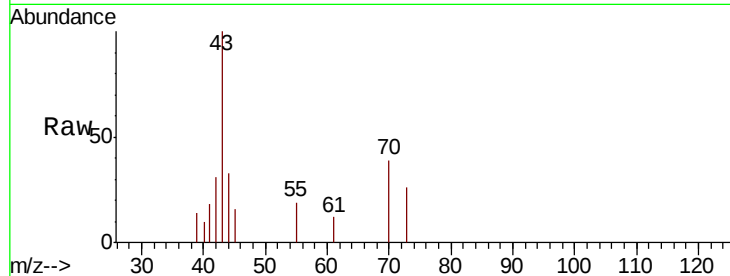
Ion Ratio Lower Upper

43 100

70 37.9 30.2 45.4

55 14.1 18.0 27.0#

61 8.5 17.4 26.2#



#75

1,1,2,2-Tetrachloroethane

Concen: 0.715 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

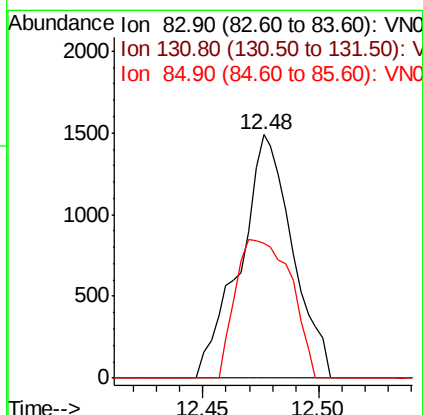
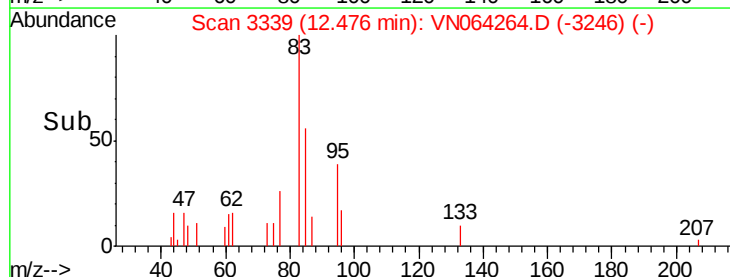
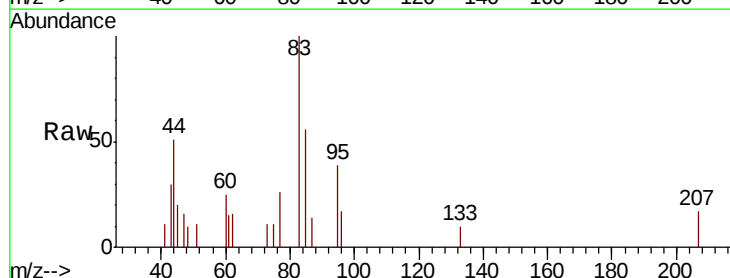
Tgt Ion: 83 Resp: 2347

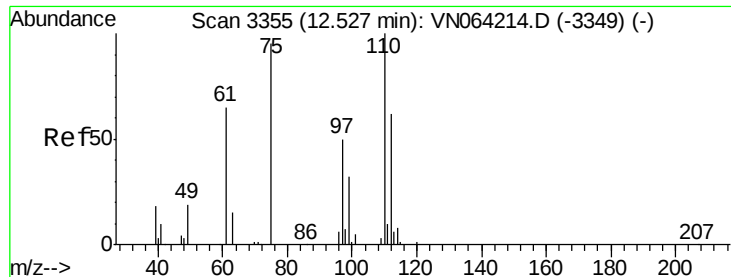
Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.7#

85 59.7 32.4 97.0

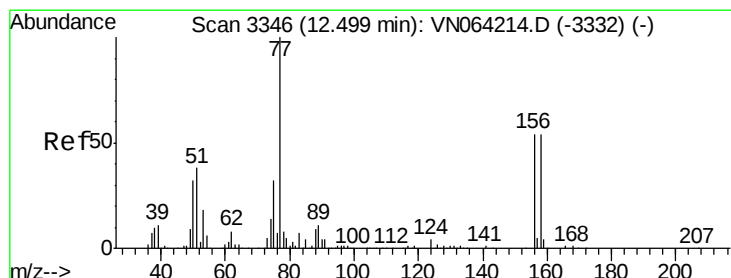
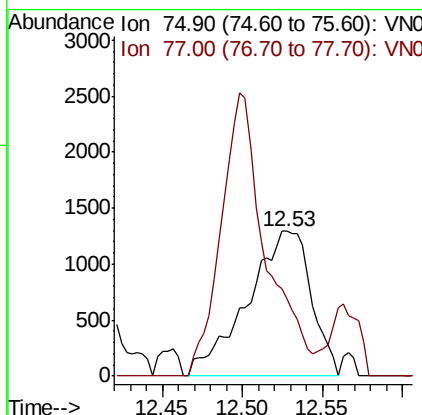
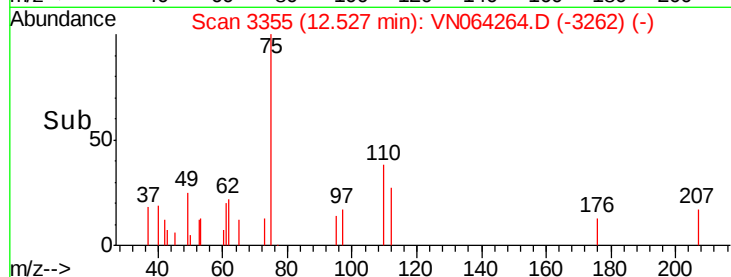
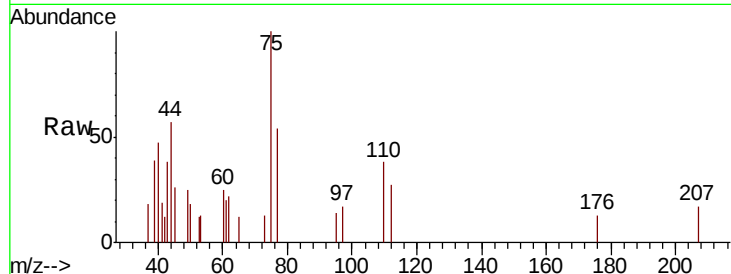




#76
 1,2,3-Trichloropropane
 Concen: 1.046 ug/l
 RT: 12.53 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

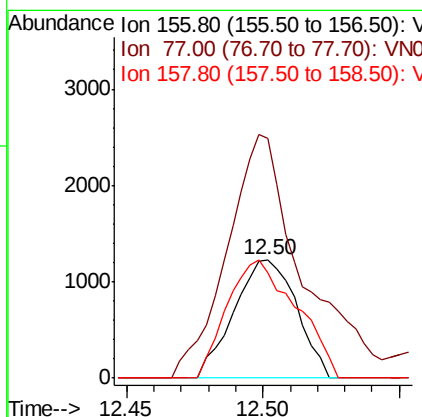
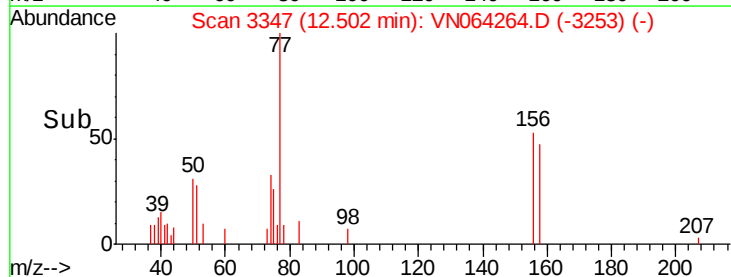
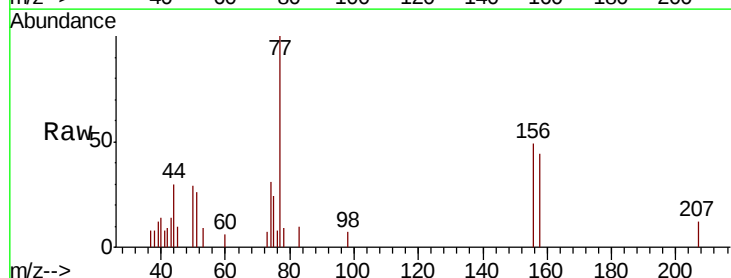
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

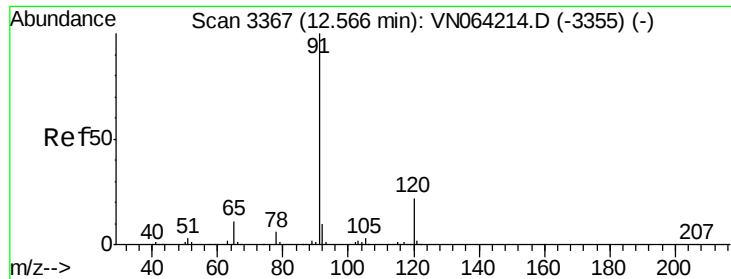
Tot Ion: 75 Resp: 3580
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 0.667 ug/l
 RT: 12.50 min Scan# 3347
 Delta R.T. 0.00 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

Tgt Ion: 156 Resp: 1949
 Ion Ratio Lower Upper
 156 100
 77 247.8 111.1 333.4
 158 111.0 50.0 150.1





#78

n-propylbenzene

Concen: 0.638 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

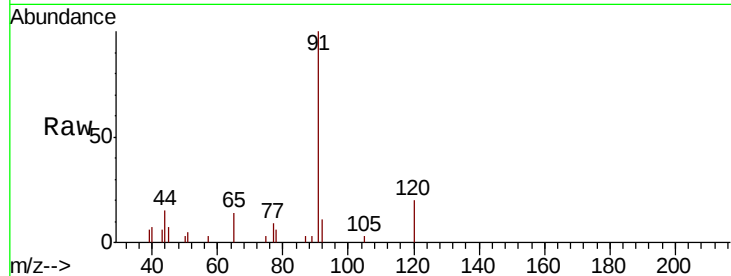
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 91 Resp: 8910

Ion Ratio Lower Upper

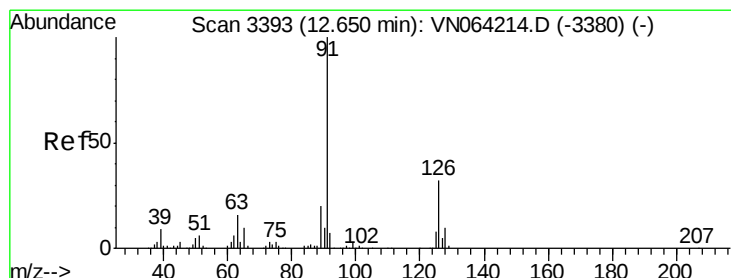
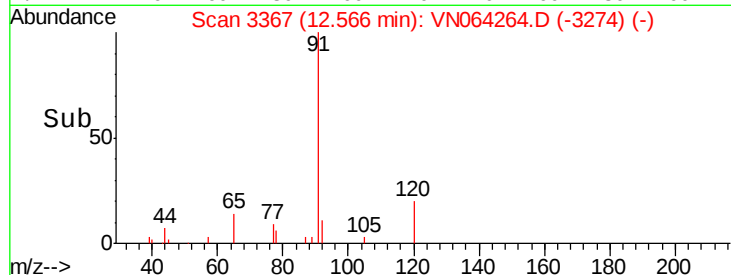
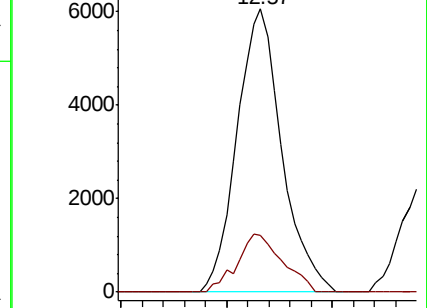
91 100

120 20.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN064264.D (-3355) (-)

Ion 120.00 (119.70 to 120.70): VN064264.D (-3355) (-)



#79

2-Chlorotoluene

Concen: 0.739 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064264.D

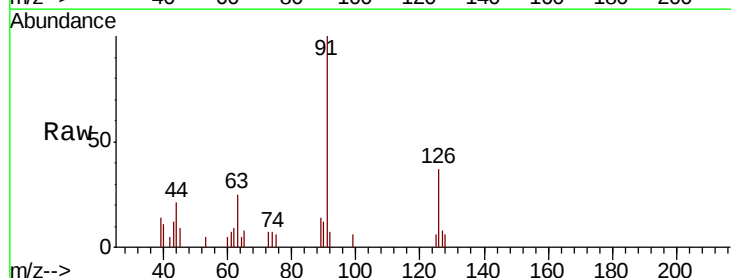
Acq: 22 Oct 2020 20:51

Tgt Ion: 91 Resp: 6337

Ion Ratio Lower Upper

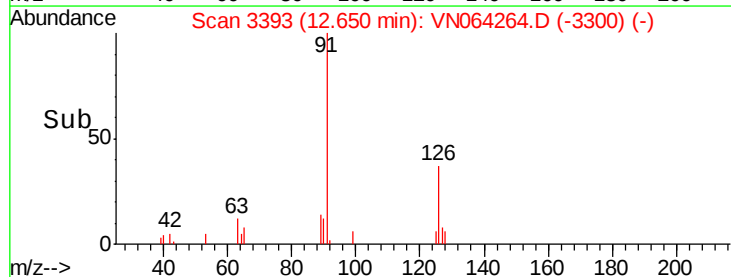
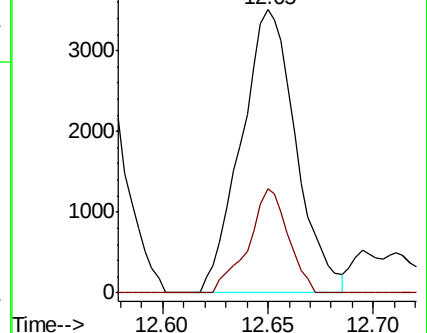
91 100

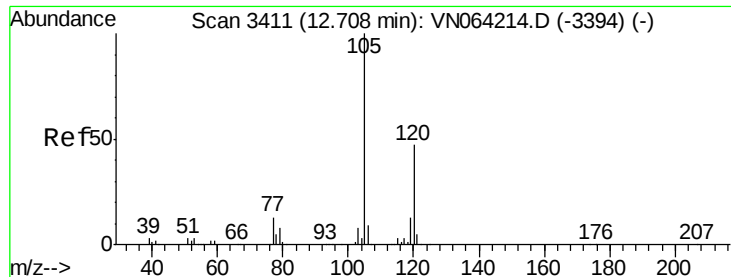
126 26.5 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VN064264.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN064264.D (-3380) (-)





#80

1,3,5-Trimethylbenzene

Concen: 0.647 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

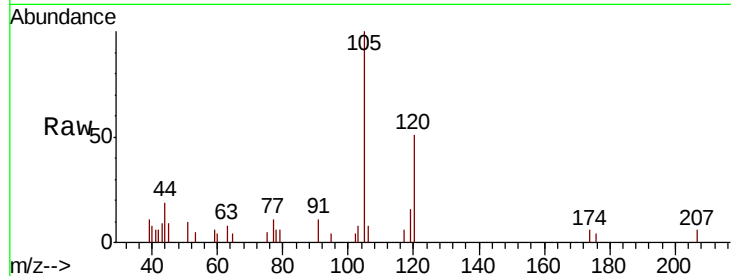
LOD-MDL-WATER-01-QT4-2020

Tot Ion:105 Resp: 6766

Ion Ratio Lower Upper

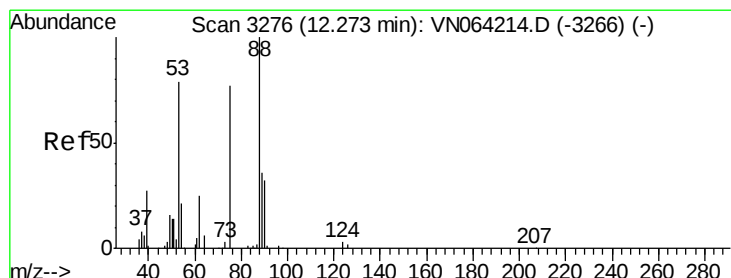
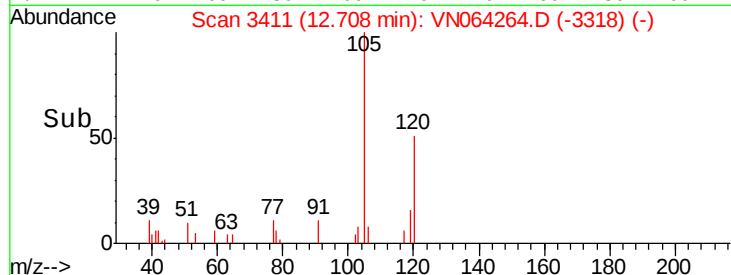
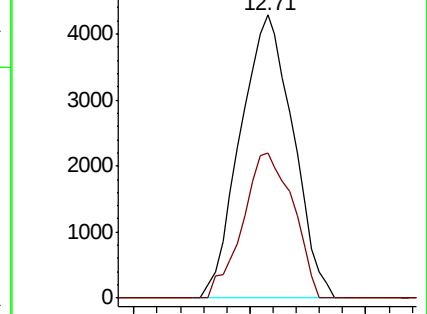
105 100

120 49.0 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 80.766 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

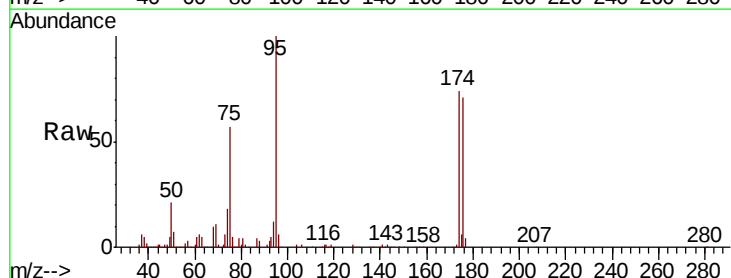
Tgt Ion: 75 Resp: 109449

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.4#

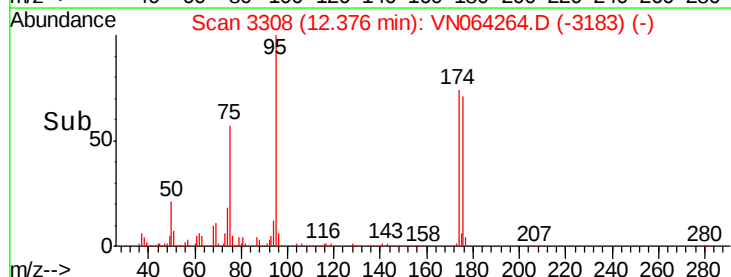
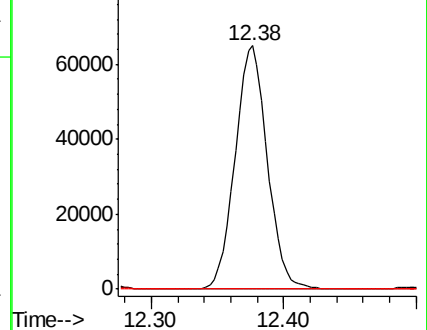
89 0.0 38.7 58.1#

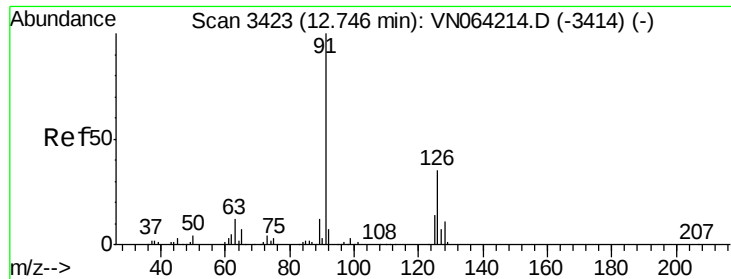


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 0.623 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

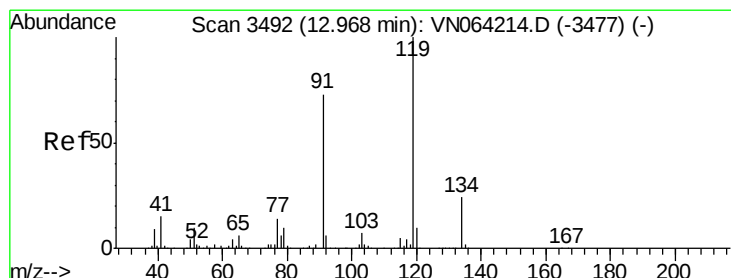
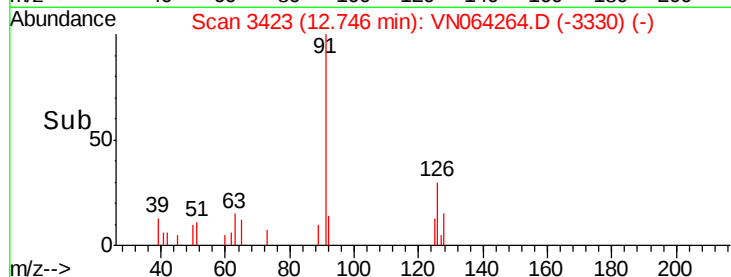
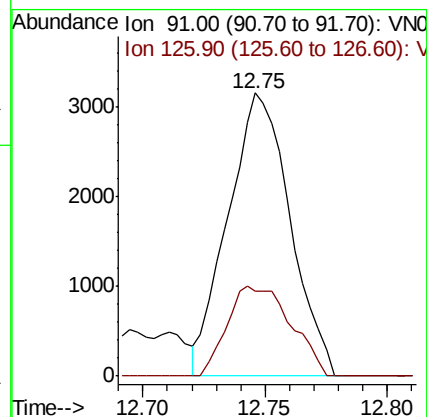
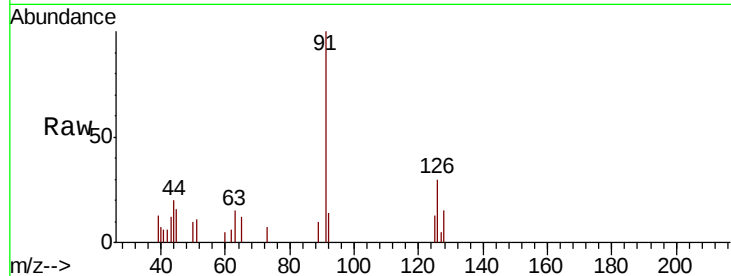
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 91 Resp: 5567

Ion Ratio Lower Upper

91 100

126 32.5 15.8 47.3



#83

tert-Butylbenzene

Concen: 0.657 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

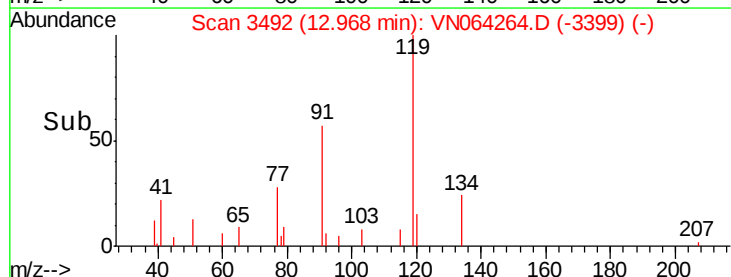
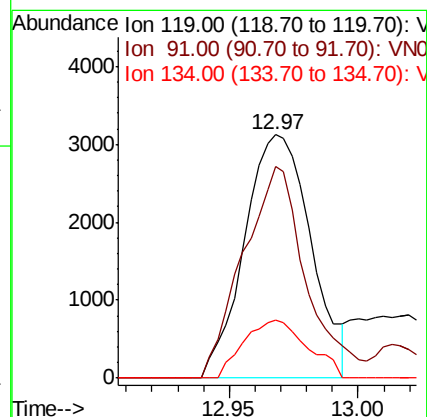
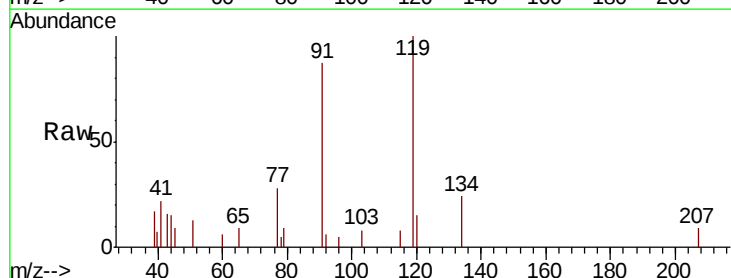
Tgt Ion: 119 Resp: 5638

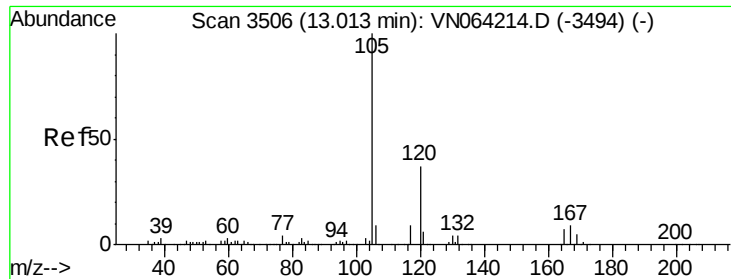
Ion Ratio Lower Upper

119 100

91 82.6 35.1 105.3

134 22.7 11.6 34.8

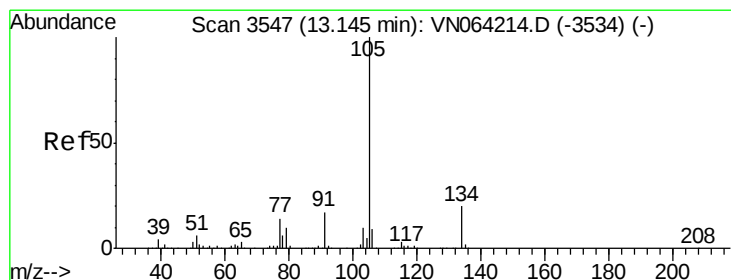
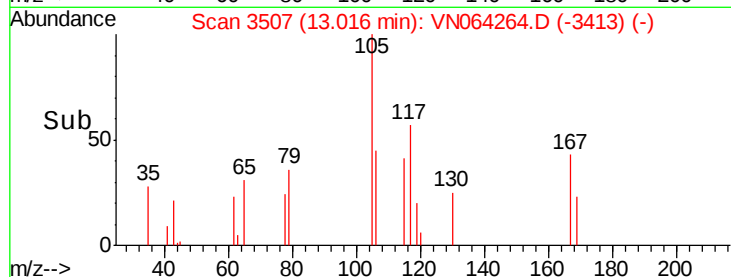
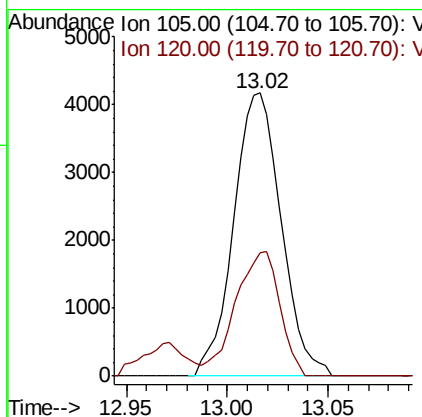
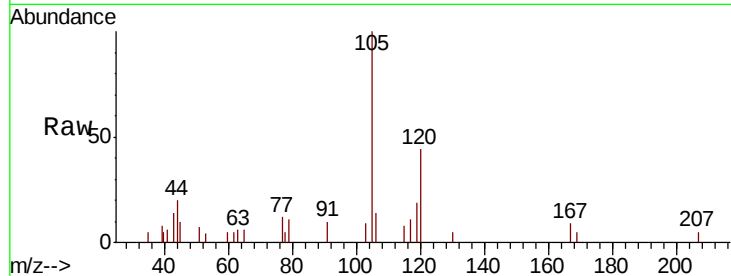




#84
 1,2,4-Trimethylbenzene
 Concen: 0.663 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

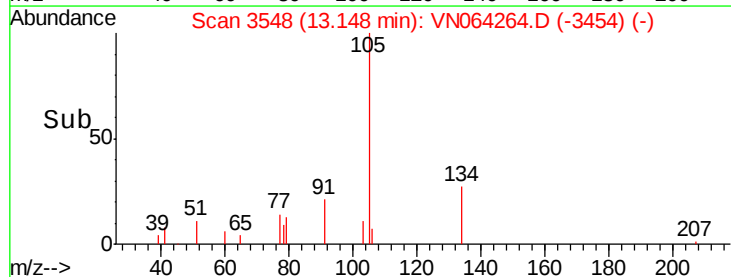
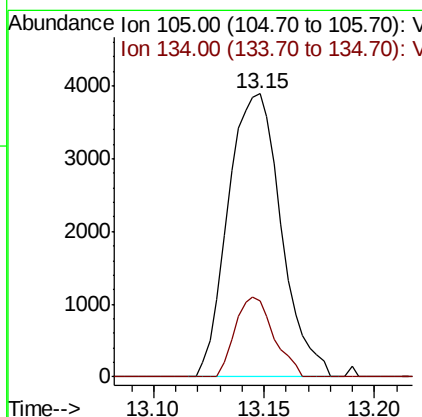
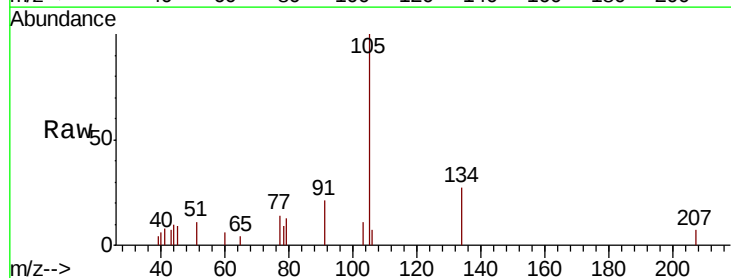
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

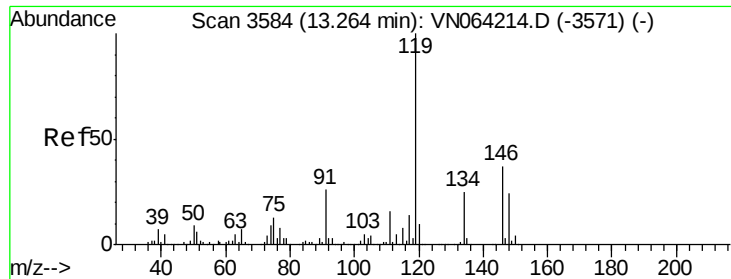
Tot Ion:105 Resp: 6901
 Ion Ratio Lower Upper
 105 100
 120 40.9 21.5 64.5



#85
 sec-Butylbenzene
 Concen: 0.600 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN064264.D
 Acq: 22 Oct 2020 20:51

Tgt Ion:105 Resp: 6491
 Ion Ratio Lower Upper
 105 100
 134 20.4 9.7 29.1





#86

p-Isopropyltoluene

Concen: 0.615 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

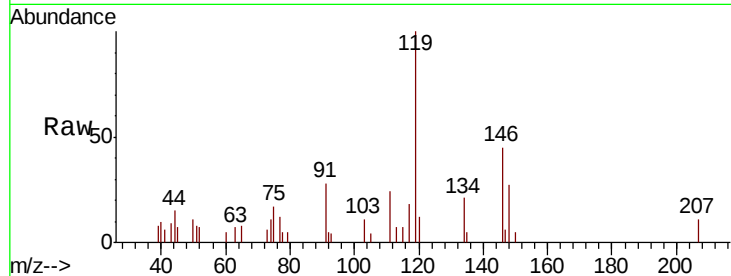
Tot Ion:119 Resp: 6054

Ion Ratio Lower Upper

119 100

134 14.4 13.1 39.3

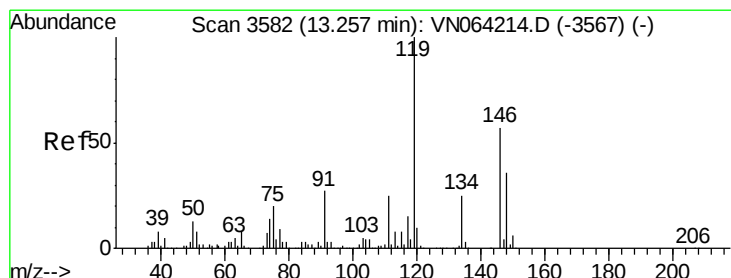
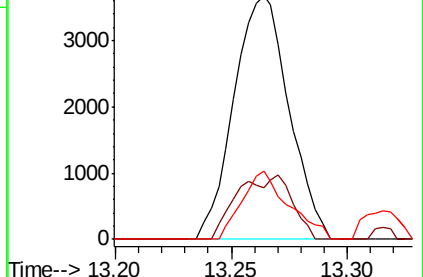
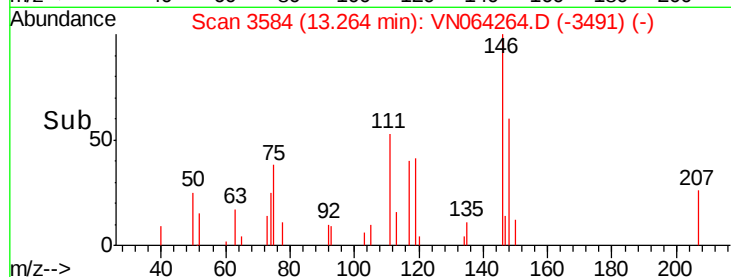
91 23.7 13.4 40.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87

1,3-Dichlorobenzene

Concen: 0.641 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

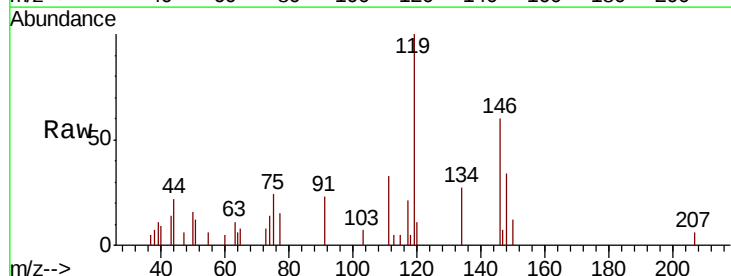
Tgt Ion:146 Resp: 3333

Ion Ratio Lower Upper

146 100

111 54.0 21.6 65.0

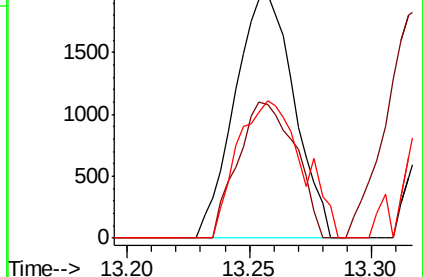
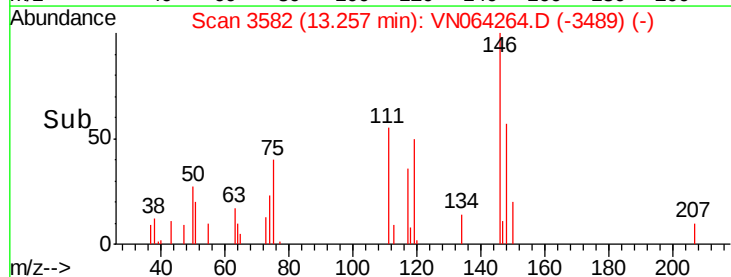
148 61.5 31.7 95.1

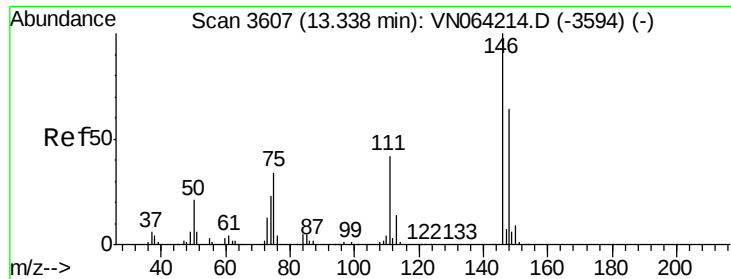


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 0.626 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. -0.08 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

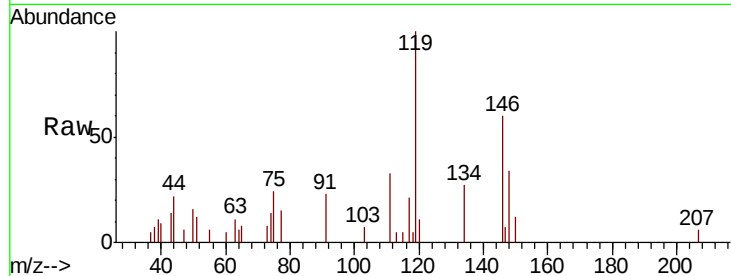
Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

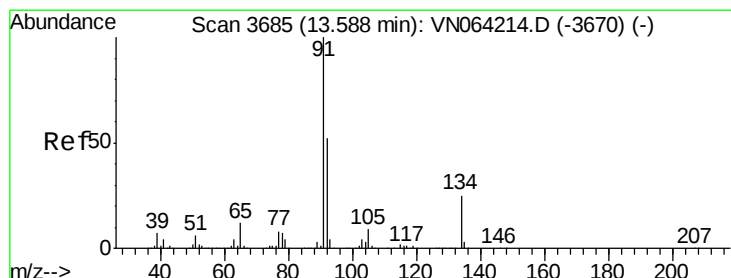
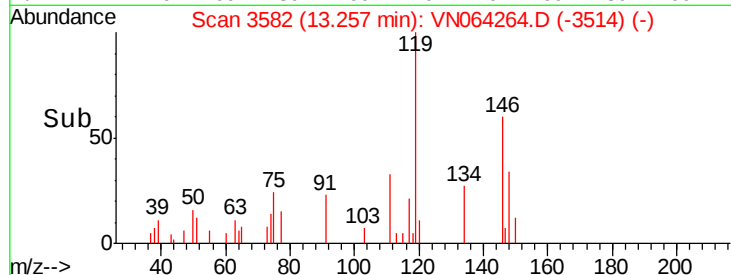
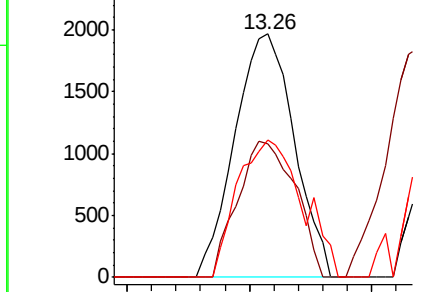
Tot Ion:146	Resp:	3333
Ion	Ratio	Lower Upper
146	100	
111	54.0	21.5 64.5
148	61.5	32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.569 ug/l

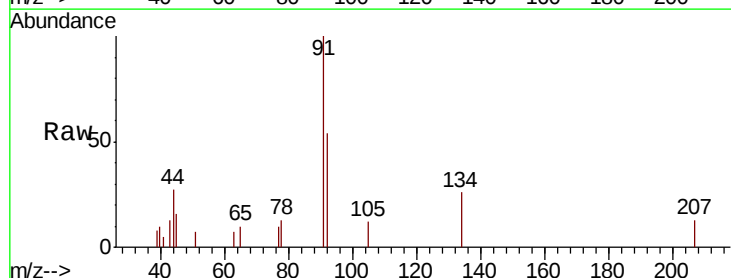
RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

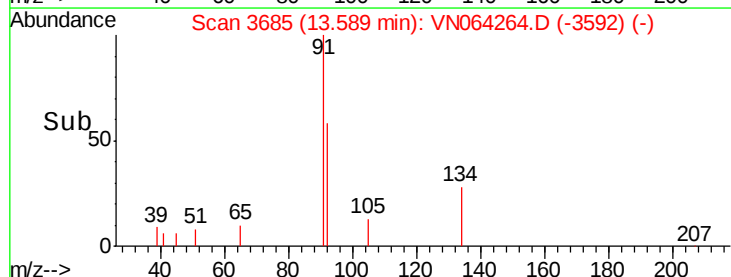
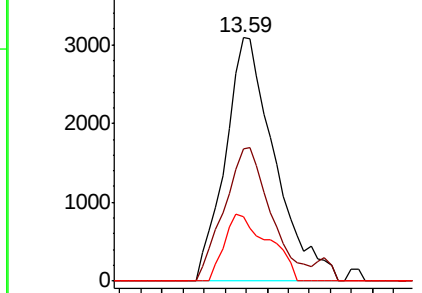
Tgt Ion: 91	Resp:	5021
Ion	Ratio	Lower Upper
91	100	
92	52.2	25.7 77.0
134	24.5	12.3 36.8

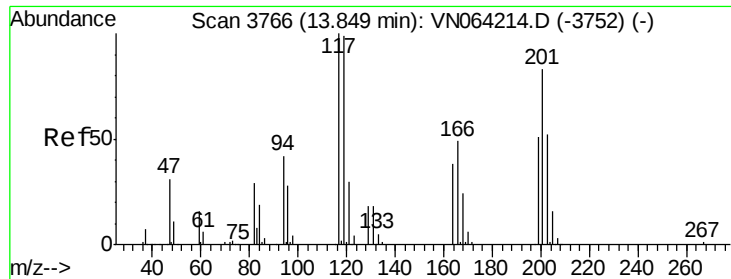


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.600 ug/l

RT: 13.85 min Scan# 3767

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

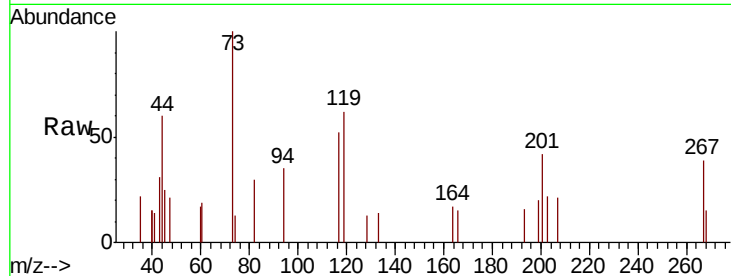
LOD-MDL-WATER-01-QT4-2020

Tot Ion:117 Resp: 1070

Ion Ratio Lower Upper

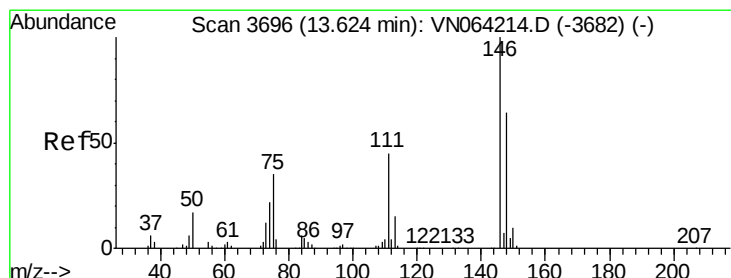
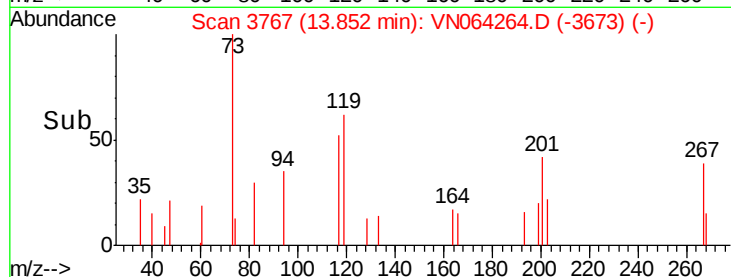
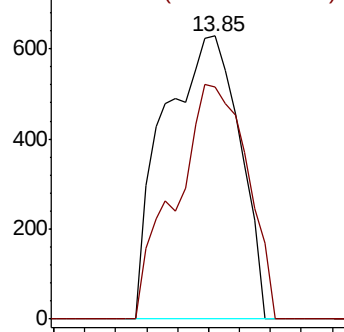
117 100

201 78.7 40.1 120.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.647 ug/l

RT: 13.63 min Scan# 3698

Delta R.T. 0.01 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

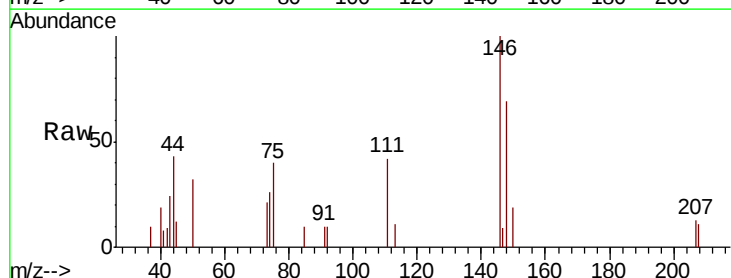
Tgt Ion:146 Resp: 3300

Ion Ratio Lower Upper

146 100

111 44.3 22.9 68.7

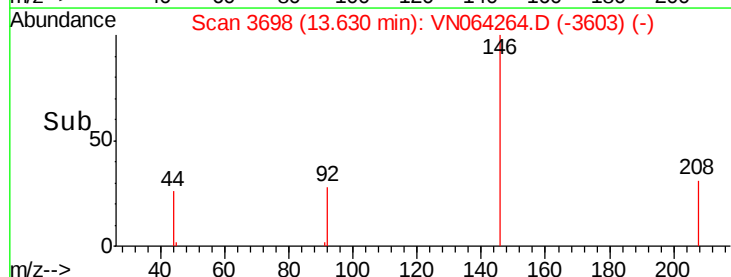
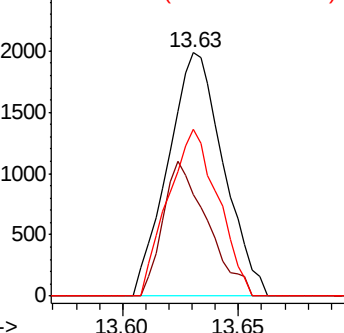
148 62.0 31.9 95.5

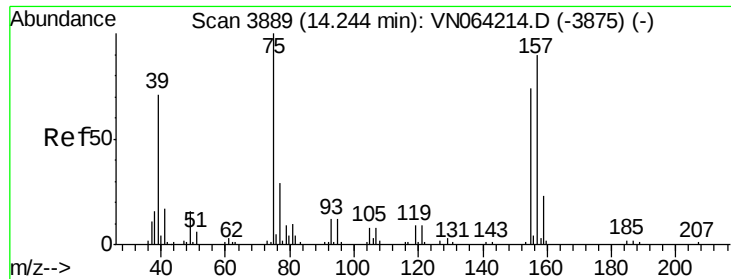


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.570 ug/l

RT: 14.25 min Scan# 3890

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

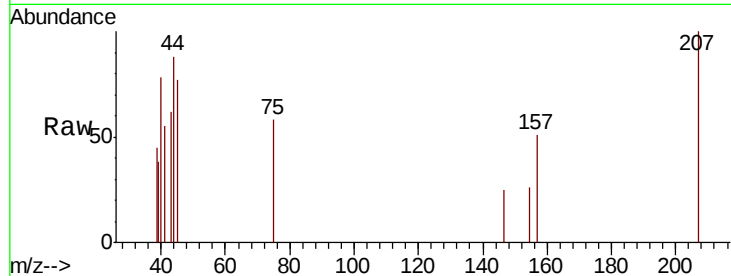
Tot Ion: 75 Resp: 467

Ion Ratio Lower Upper

75 100

155 6.6 36.9 110.7#

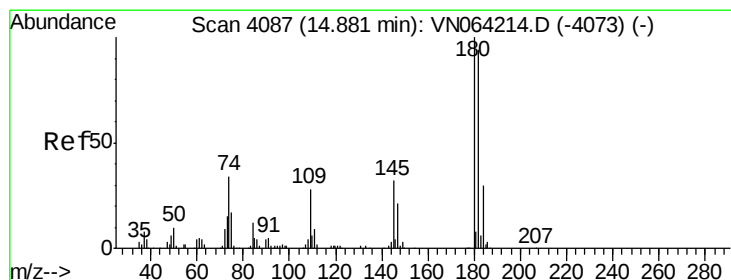
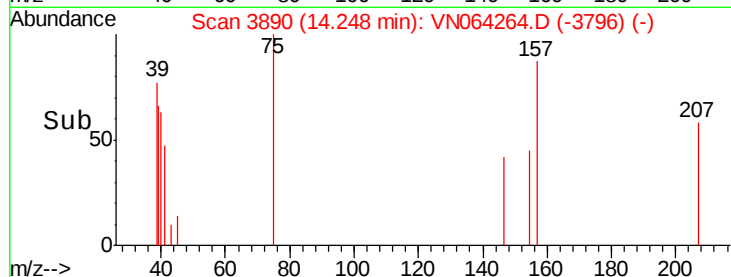
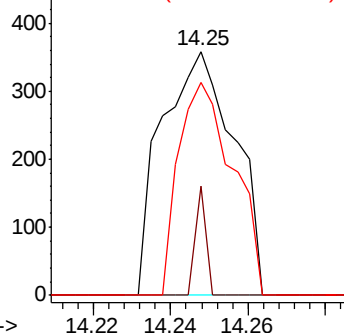
157 65.3 44.6 133.8



Abundance Ion 74.90 (74.60 to 75.60): VN064214.D (-3875) (-)

Ion 154.80 (154.50 to 155.50): VN064214.D (-3875) (-)

Ion 156.80 (156.50 to 157.50): VN064214.D (-3875) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.573 ug/l

RT: 14.88 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

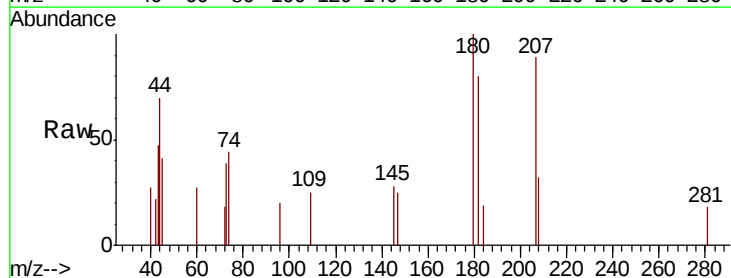
Tgt Ion: 180 Resp: 1639

Ion Ratio Lower Upper

180 100

182 99.8 46.9 140.7

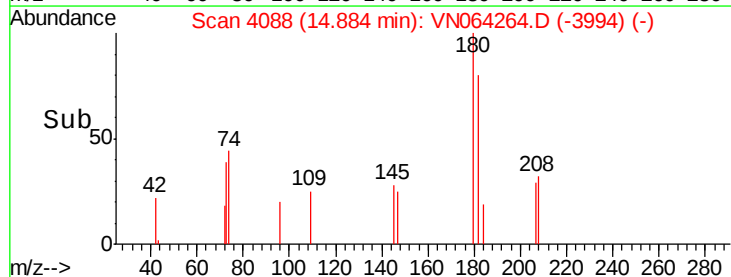
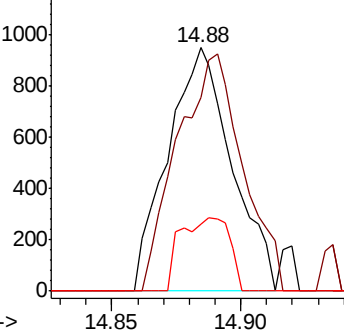
145 23.2 16.1 48.3

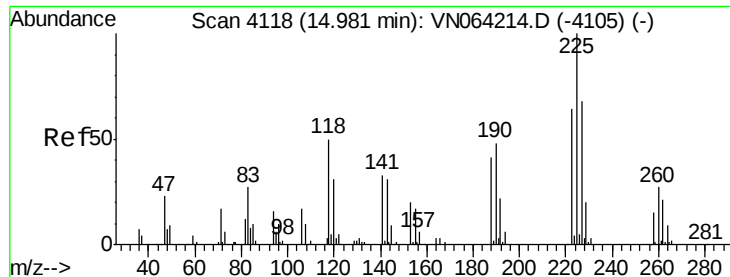


Abundance Ion 179.80 (179.50 to 180.50): VN064214.D (-4073) (-)

Ion 181.80 (181.50 to 182.50): VN064214.D (-4073) (-)

Ion 144.80 (144.50 to 145.50): VN064214.D (-4073) (-)





#94

Hexachlorobutadiene

Concen: 0.715 ug/l

RT: 14.98 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

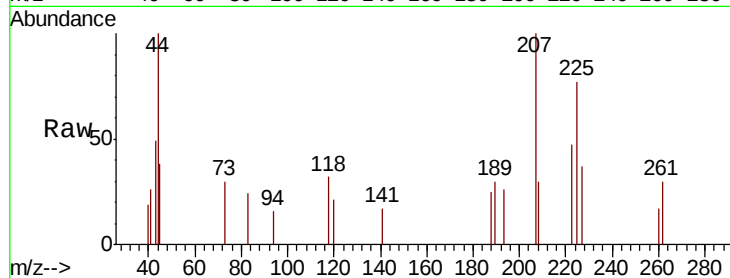
Tot Ion:225 Resp: 1104

Ion Ratio Lower Upper

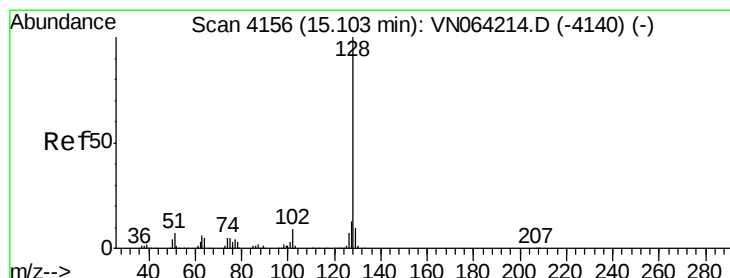
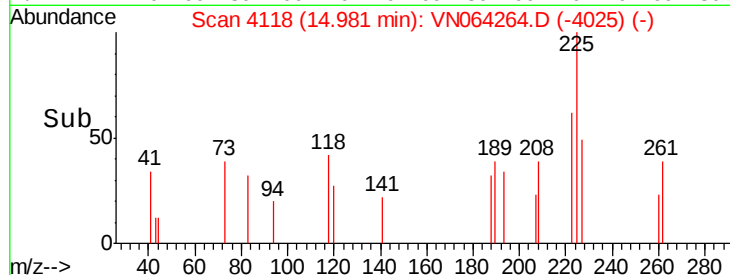
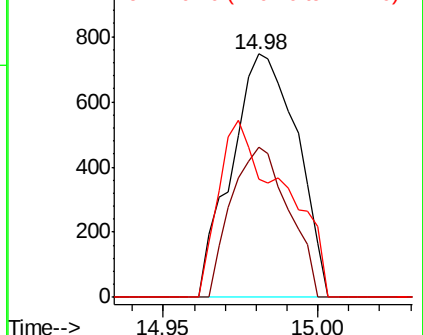
225 100

223 54.3 31.5 94.5

227 72.7 32.1 96.5



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



#95

Naphthalene

Concen: 0.476 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

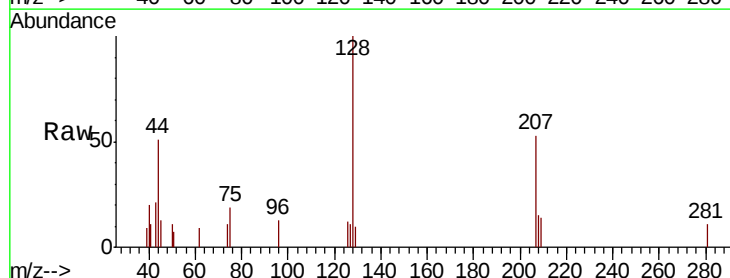
Tgt Ion:128 Resp: 4076

Ion Ratio Lower Upper

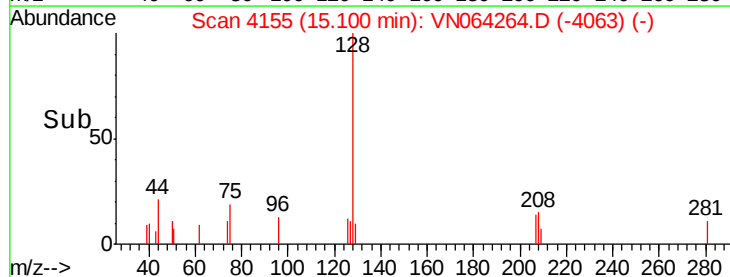
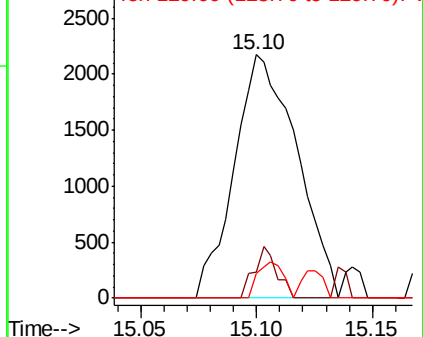
128 100

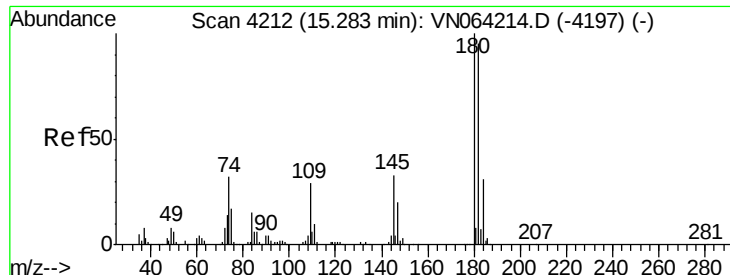
127 7.7 10.5 15.7#

129 6.1 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 0.609 ug/l

RT: 15.29 min Scan# 4215

Delta R.T. 0.01 min

Lab File: VN064264.D

Acq: 22 Oct 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:180 Resp: 1727

Ion Ratio Lower Upper

180 100

182 91.6 48.0 144.2

145 3.8 17.1 51.3#

