

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060571.D
 Acq On : 17 Mar 2020 22:14
 Operator : JC/MD
 Sample : L1161-07 .5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

Quant Time: Mar 18 09:04:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 09:02:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	206035	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	353043	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	311291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	134894	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	143195	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
35) Dibromofluoromethane	7.56	113	105432	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
50) Toluene-d8	10.08	98	425501	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
62) 4-Bromofluorobenzene	12.40	95	144633	45.26	ug/l	0.00
Spiked Amount			Recovery	=	90.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	1027	0.515	ug/l	87
3) Chloromethane	2.04	50	2110	0.567	ug/l	96
4) Vinyl Chloride	2.16	62	1475	0.506	ug/l	90
5) Bromomethane	2.55	94	735	0.585	ug/l #	70
6) Chloroethane	2.69	64	994	0.593	ug/l	99
7) Trichlorofluoromethane	3.01	101	1813	0.505	ug/l	93
8) Diethyl Ether	3.38	74	760	0.527	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1125	0.541	ug/l	95
10) Methyl Iodide	3.93	142	1063	0.575	ug/l #	71
11) Tert butyl alcohol	4.73	59	913	2.195	ug/l #	72
12) 1,1-Dichloroethene	3.72	96	1413	0.633	ug/l #	81
13) Acrolein	3.59	56	611	1.325	ug/l #	61
14) Allyl chloride	4.29	41	2053	0.523	ug/l #	91
15) Acrylonitrile	4.95	53	2288	1.871	ug/l #	89
16) Acetone	3.79	43	2982	2.976	ug/l	98
17) Carbon Disulfide	4.03	76	5269	0.777	ug/l	96
18) Methyl Acetate	4.30	43	1365	0.484	ug/l #	54
19) Methyl tert-butyl Ether	5.00	73	3985	0.520	ug/l	92
20) Methylene Chloride	4.53	84	1444	0.586	ug/l #	84
21) trans-1,2-Dichloroethene	5.00	96	1384	0.582	ug/l #	82
22) Diisopropyl ether	5.92	45	4368	0.527	ug/l	92
23) Vinyl Acetate	5.87	43	15889	2.349	ug/l #	93
24) 1,1-Dichloroethane	5.81	63	2325	0.515	ug/l #	85
25) 2-Butanone	6.81	43	4290	2.646	ug/l	96
26) 2,2-Dichloropropane	6.78	77	882	0.248	ug/l #	53
27) cis-1,2-Dichloroethene	6.80	96	1569	0.581	ug/l	84
28) Bromochloromethane	7.17	49	1004	0.464	ug/l #	63
29) Tetrahydrofuran	7.19	42	2807	2.447	ug/l #	76
30) Chloroform	7.35	83	2320	0.536	ug/l	98
31) Cyclohexane	7.63	56	6500	1.427	ug/l #	20
32) 1,1,1-Trichloroethane	7.55	97	1977	0.529	ug/l #	50
36) 1,1-Dichloropropene	7.77	75	1931	0.565	ug/l	91
37) Ethyl Acetate	6.90	43	1233	0.334	ug/l #	70
38) Carbon Tetrachloride	7.75	117	1334	0.435	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	2317	0.570	ug/l	97
40) Benzene	8.02	78	5061	0.490	ug/l #	85
41) Methacrylonitrile	7.14	41	693	0.440	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	1935	0.549	ug/l #	75
43) Isopropyl Acetate	8.14	43	2927	0.480	ug/l #	73
44) Trichloroethene	8.82	130	1687	0.648	ug/l	80
45) 1,2-Dichloropropane	9.10	63	1289	0.473	ug/l	98
46) Dibromomethane	9.19	93	749	0.455	ug/l	97
47) Bromodichloromethane	9.39	83	1632	0.477	ug/l #	96
48) Methyl methacrylate	9.19	41	1268	0.468	ug/l	94
49) 1,4-Dioxane	9.18	88	138	4.281	ug/l #	20
51) 4-Methyl-2-Pentanone	9.97	43	8807	2.541	ug/l	99
52) Toluene	10.14	92	3159	0.507	ug/l	89
53) t-1,3-Dichloropropene	10.37	75	2004	0.510	ug/l	94
54) cis-1,3-Dichloropropene	9.83	75	2181	0.506	ug/l	96
55) 1,1,2-Trichloroethane	10.55	97	1102	0.460	ug/l	91
56) Ethyl methacrylate	10.42	69	1508	0.403	ug/l #	93
57) 1,3-Dichloropropane	10.69	76	2075	0.499	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	3690	1.986	ug/l	97
59) 2-Hexanone	10.74	43	5763	2.308	ug/l	92
60) Dibromochloromethane	10.89	129	1032	0.417	ug/l	86
61) 1,2-Dibromoethane	11.00	107	1078	0.447	ug/l	84
64) Tetrachloroethene	10.62	164	1530	0.625	ug/l	95
65) Chlorobenzene	11.43	112	3320	0.538	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.50	131	1033	0.462	ug/l #	57
67) Ethyl Benzene	11.50	91	6269	0.546	ug/l	95
68) m/p-Xylenes	11.62	106	4560	1.069	ug/l	89
69) o-Xylene	11.94	106	2101	0.516	ug/l	94
70) Styrene	11.96	104	3158	0.474	ug/l	90
71) Bromoform	12.12	173	676	0.405	ug/l #	94
73) Isopropylbenzene	12.24	105	5619	0.555	ug/l	97
74) N-amyl acetate	12.07	43	2433	0.520	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.50	83	1657	0.541	ug/l #	88
76) 1,2,3-Trichloropropane	12.54	75	2364	0.812	ug/l #	100
77) Bromobenzene	12.52	156	1334	0.547	ug/l	85
78) n-propylbenzene	12.59	91	7184	0.601	ug/l	98
79) 2-Chlorotoluene	12.67	91	4210	0.589	ug/l	89
80) 1,3,5-Trimethylbenzene	12.73	105	4876	0.568	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.40	75	73420	64.782	ug/l #	13
82) 4-Chlorotoluene	12.77	91	4757	0.654	ug/l	93
83) tert-Butylbenzene	12.99	119	4224	0.593	ug/l	95
84) 1,2,4-Trimethylbenzene	13.03	105	4624	0.544	ug/l	98
85) sec-Butylbenzene	13.17	105	5326	0.556	ug/l	95
86) p-Isopropyltoluene	13.28	119	4849	0.563	ug/l	95
87) 1,3-Dichlorobenzene	13.28	146	2851	0.663	ug/l	93
88) 1,4-Dichlorobenzene	13.28	146	2851	0.660	ug/l	93
89) n-Butylbenzene	13.61	91	4695	0.604	ug/l	95
90) Hexachloroethane	13.87	117	605	0.483	ug/l	80
91) 1,2-Dichlorobenzene	13.65	146	2482	0.603	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.26	75	389	0.566	ug/l #	42

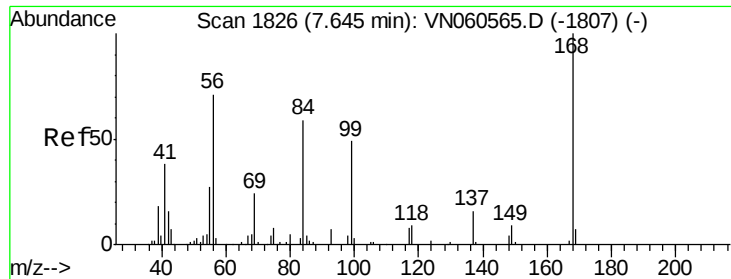
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	1572	0.622	ug/l	90
94) Hexachlorobutadiene	15.01	225	704	0.568	ug/l	89
95) Naphthalene	15.13	128	4259	0.561	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.31	180	1524	0.612	ug/l	98

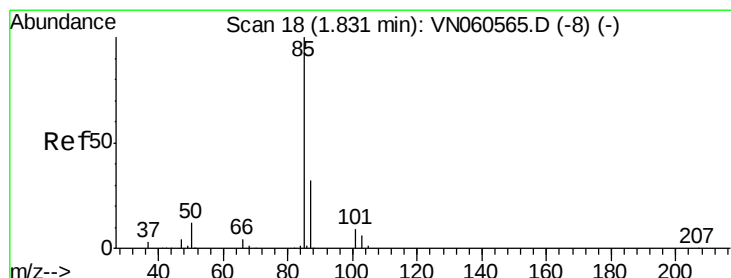
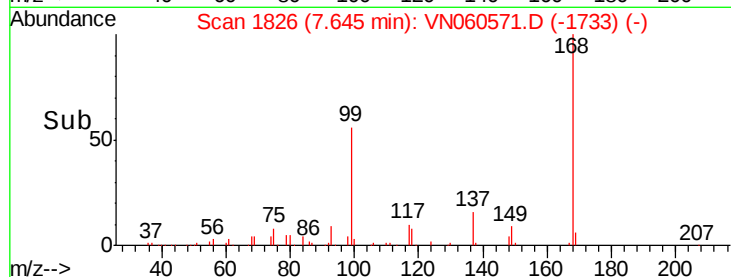
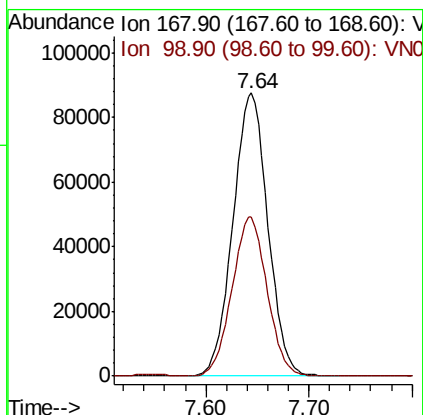
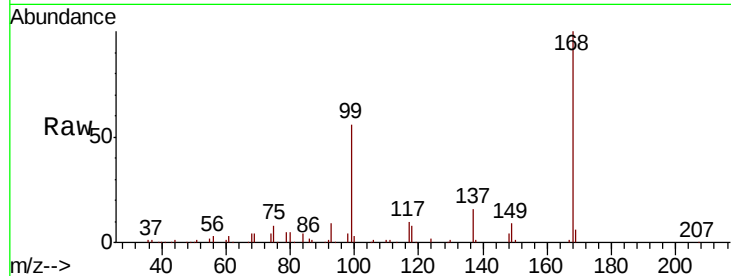
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN060571.D
Acq: 17 Mar 2020 22:14

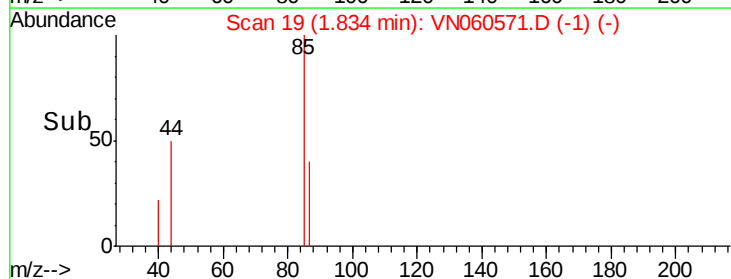
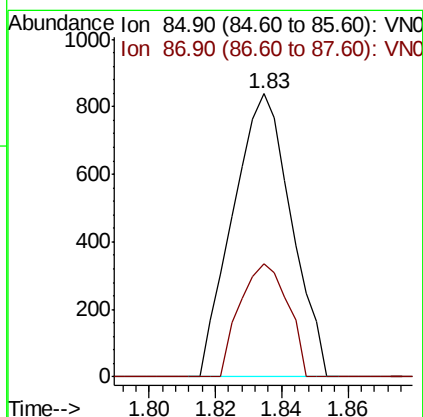
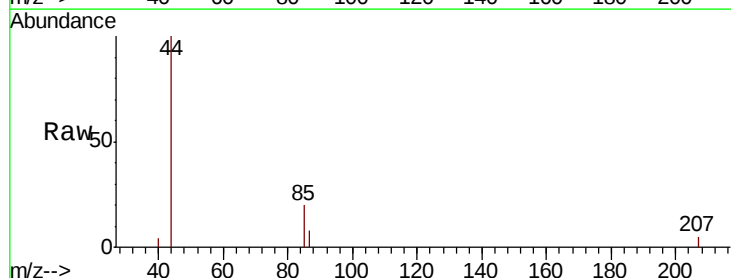
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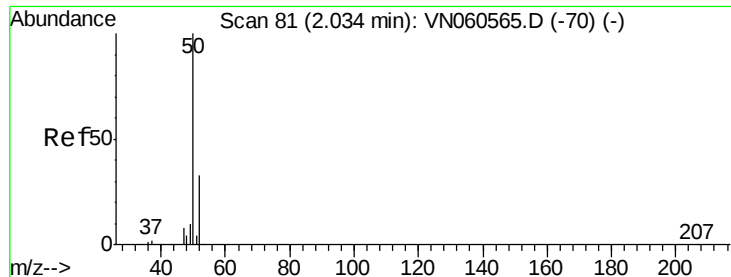
Tot Ion:168 Resp: 206035
Ion Ratio Lower Upper
168 100
99 56.0 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 0.515 ug/l
RT: 1.83 min Scan# 19
Delta R.T. 0.00 min
Lab File: VN060571.D
Acq: 17 Mar 2020 22:14

Tgt Ion: 85 Resp: 1027
Ion Ratio Lower Upper
85 100
87 39.9 16.2 48.5





#3

Chloromethane

Concen: 0.567 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

Instrument :

MSVOA_N

ClientSampleId :

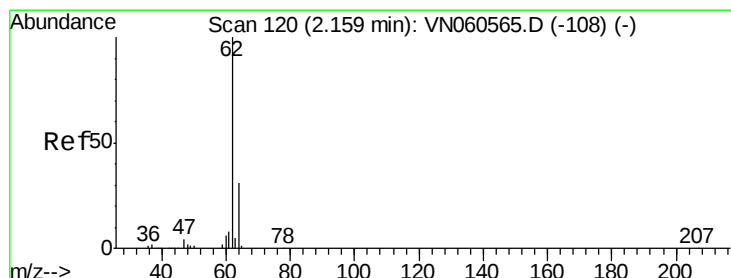
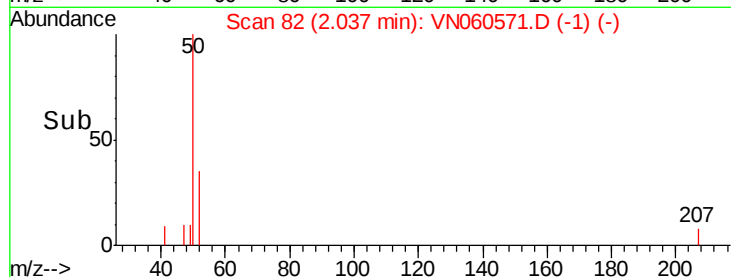
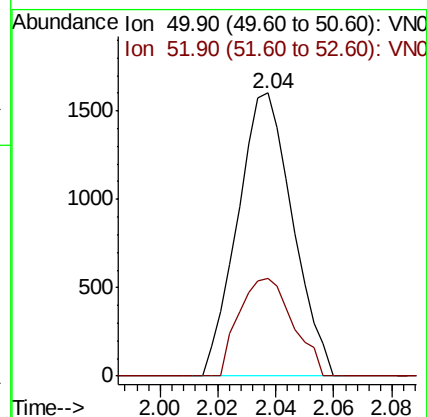
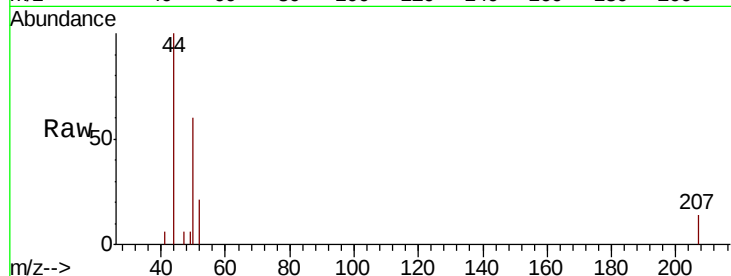
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 50 Resp: 2110

Ion Ratio Lower Upper

50 100

52 34.7 26.2 39.2



#4

Vinyl Chloride

Concen: 0.506 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060571.D

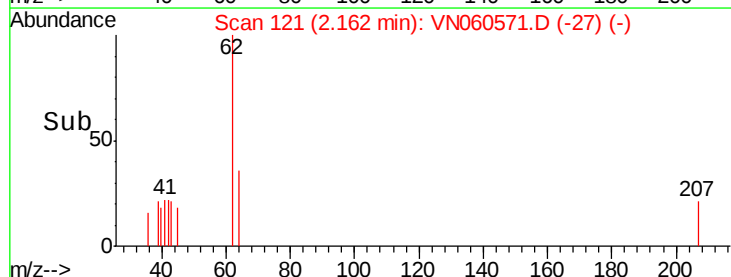
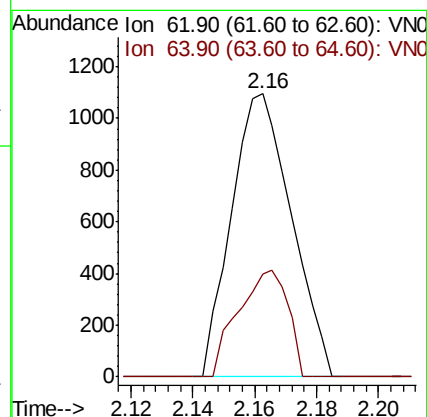
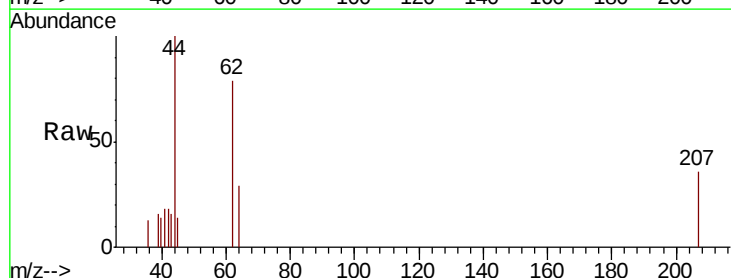
Acq: 17 Mar 2020 22:14

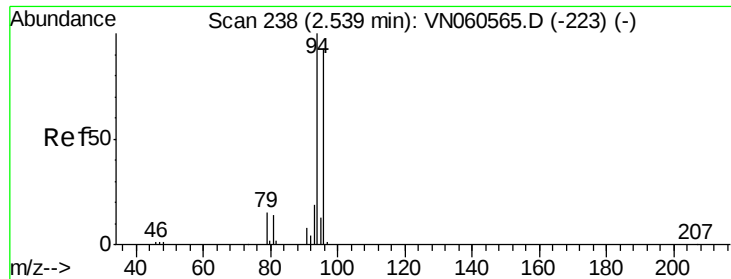
Tgt Ion: 62 Resp: 1475

Ion Ratio Lower Upper

62 100

64 36.2 24.7 37.1





#5

Bromomethane

Concen: 0.585 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

Instrument :

MSVOA_N

ClientSampleId :

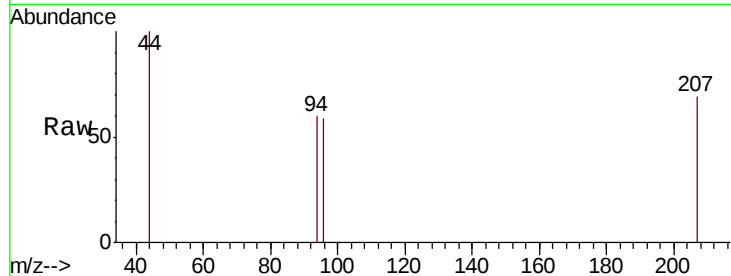
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 94 Resp: 735

Ion Ratio Lower Upper

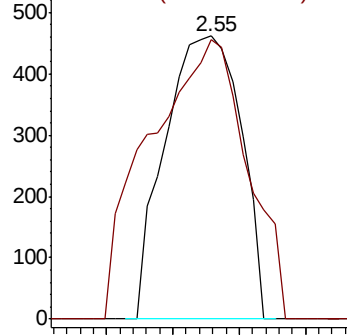
94 100

96 64.9 74.6 112.0#

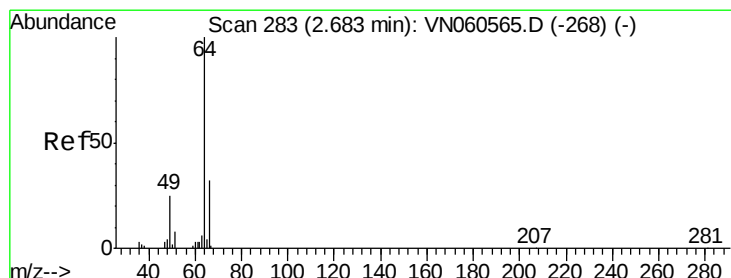
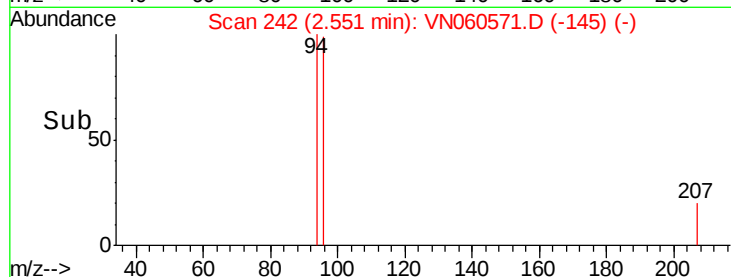


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#6

Chloroethane

Concen: 0.593 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060571.D

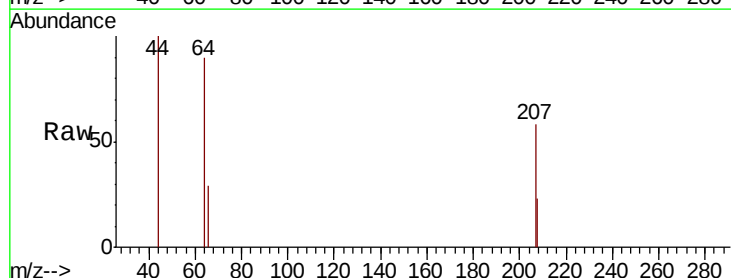
Acq: 17 Mar 2020 22:14

Tgt Ion: 64 Resp: 994

Ion Ratio Lower Upper

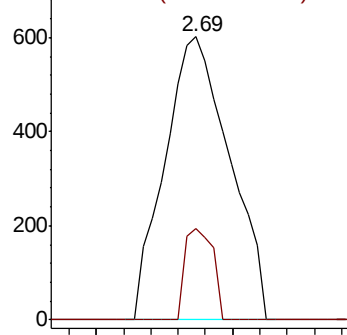
64 100

66 32.2 25.3 37.9

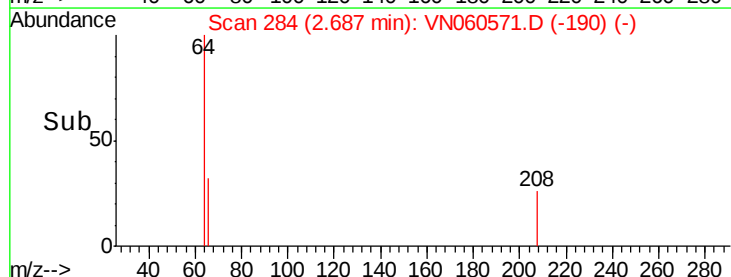


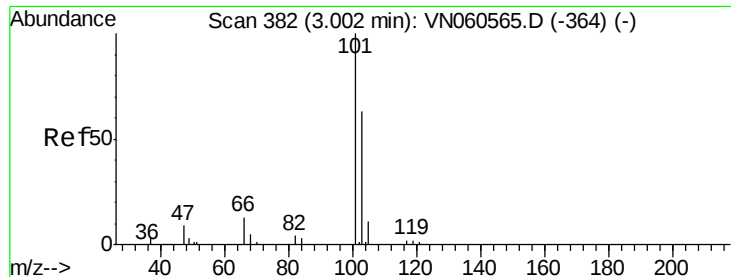
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->





#7

Trichlorofluoromethane

Concen: 0.505 ug/l

RT: 3.01 min Scan# 384

Delta R.T. 0.01 min

Lab File: VN060571.D

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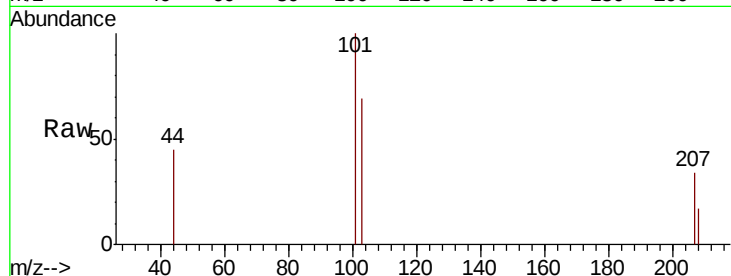
LOD-MDL-WATER-01-QT1-2020

Tot Ion:101 Resp: 1813

Ion Ratio Lower Upper

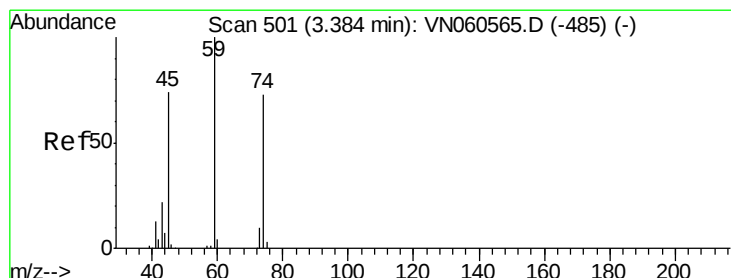
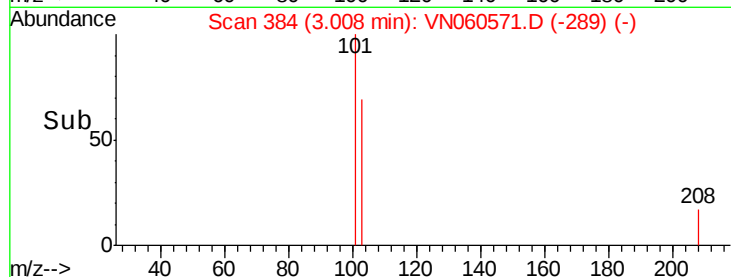
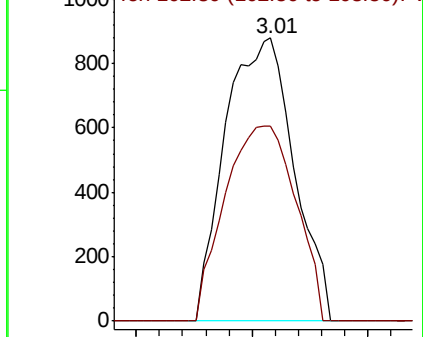
101 100

103 68.8 50.6 76.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 0.527 ug/l

RT: 3.38 min Scan# 501

Delta R.T. -0.00 min

Lab File: VN060571.D

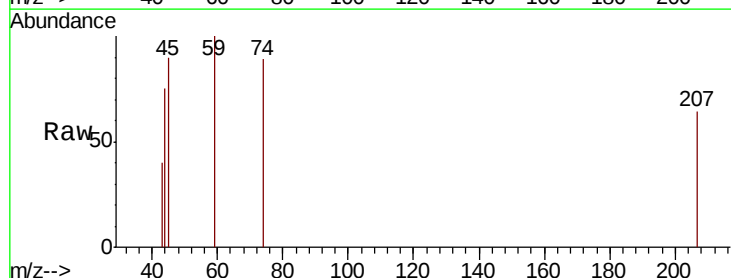
Acq: 17 Mar 2020 22:14

Tgt Ion: 74 Resp: 760

Ion Ratio Lower Upper

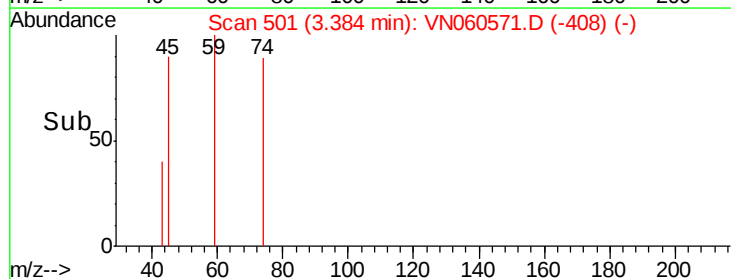
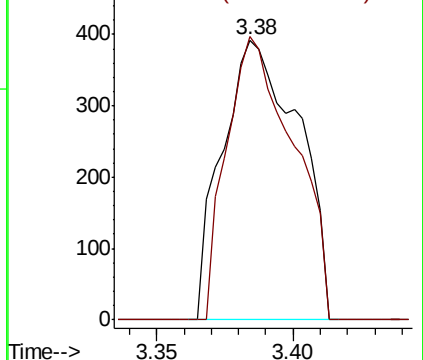
74 100

45 89.2 51.3 153.9



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.541 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.01 min

Lab File: VN060571.D

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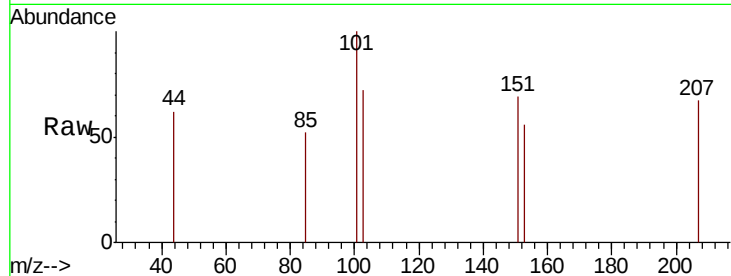
Tot Ion:101 Resp: 1125

Ion Ratio Lower Upper

101 100

85 44.5 35.6 53.4

151 70.1 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V

3.75

400

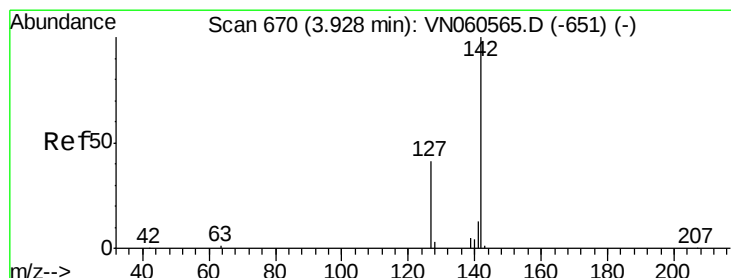
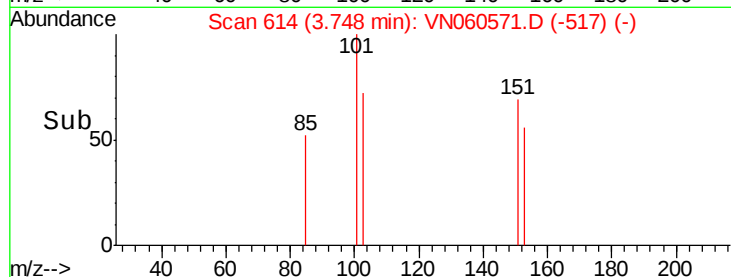
300

200

100

0

Time-->



#10

Methyl Iodide

Concen: 0.575 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

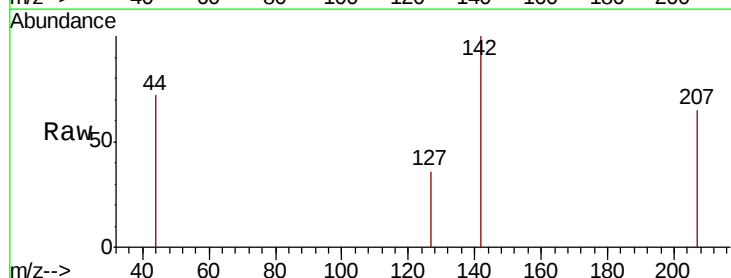
Tgt Ion:142 Resp: 1063

Ion Ratio Lower Upper

142 100

127 24.3 33.5 50.3#

141 0.0 11.0 16.6#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.93

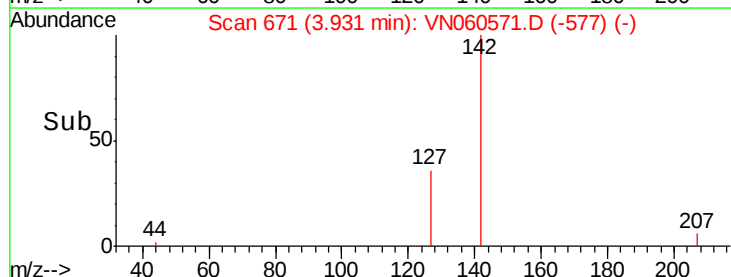
600

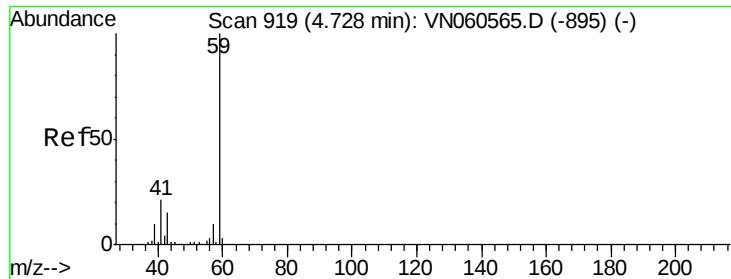
400

200

0

Time-->



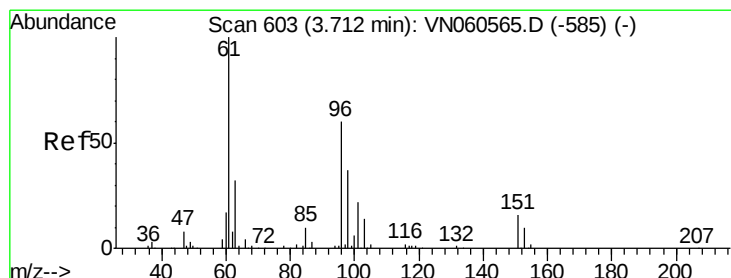
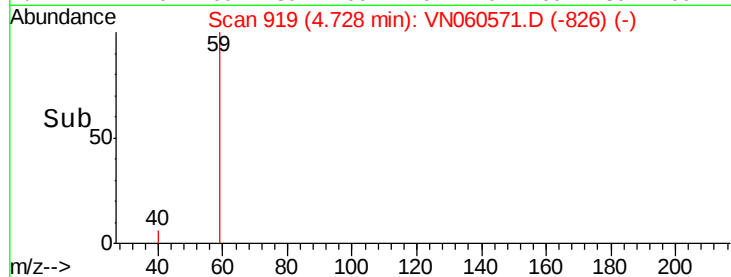
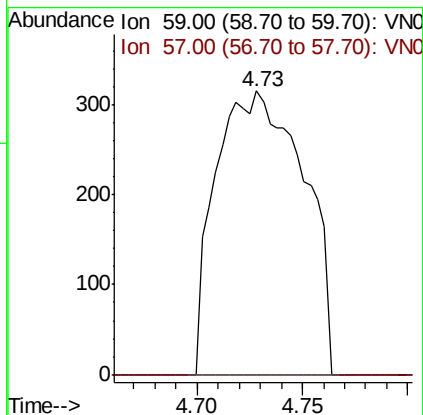
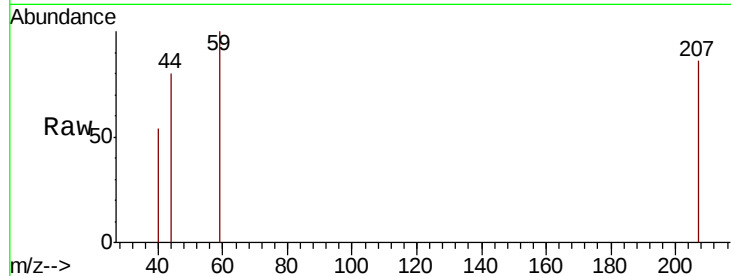


#11

Tert butyl alcohol
Concen: 2.195 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN060571.D
Acq: 17 Mar 2020 22:14

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

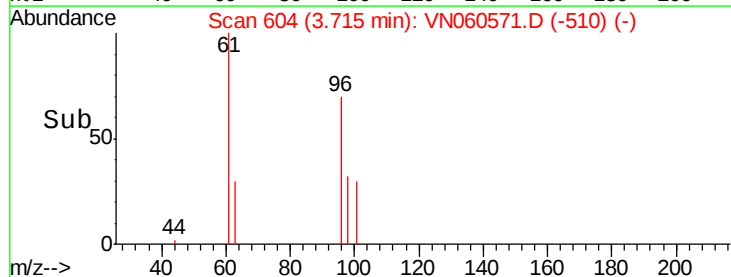
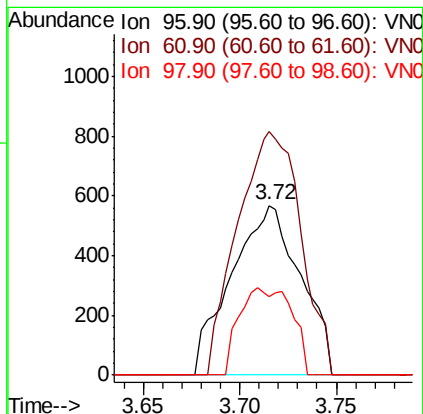
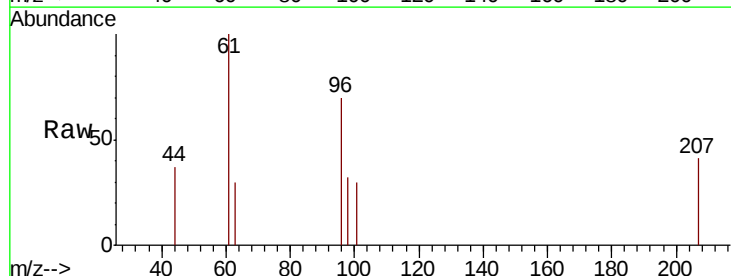
Tot Ion: 59 Resp: 913
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

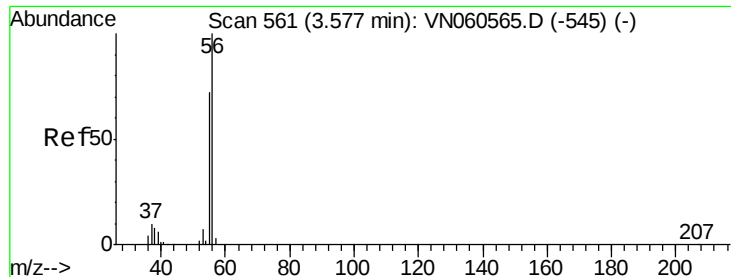


#12

1,1-Dichloroethene
Concen: 0.633 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060571.D
Acq: 17 Mar 2020 22:14

Tgt Ion: 96 Resp: 1413
Ion Ratio Lower Upper
96 100
61 143.2 134.1 201.1
98 45.9 49.9 74.9#





#13

Acrolein

Concen: 1.325 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.01 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

Instrument :

MSVOA_N

ClientSampleId :

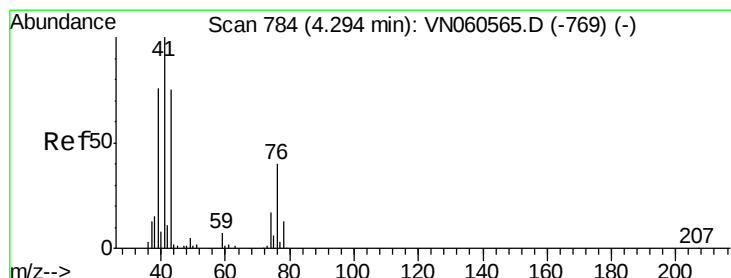
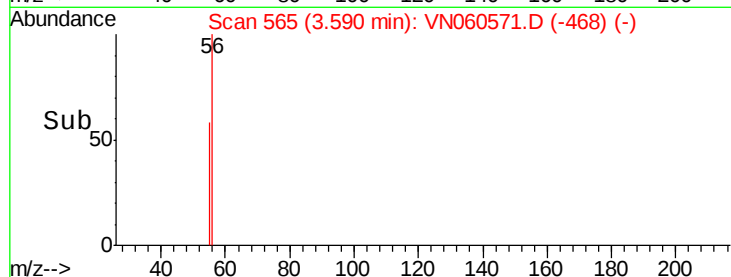
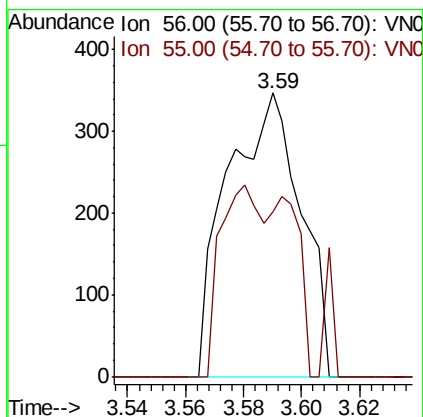
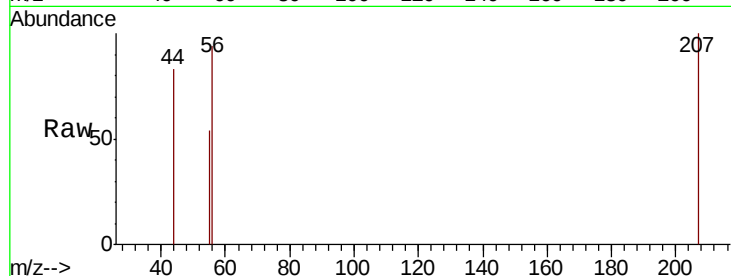
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 56 Resp: 611

Ion Ratio Lower Upper

56 100

55 38.5 56.7 85.1#



#14

Allyl chloride

Concen: 0.523 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

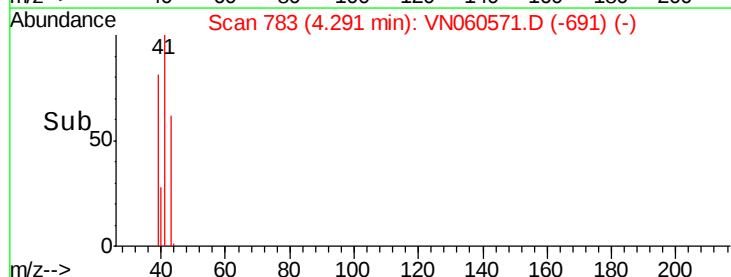
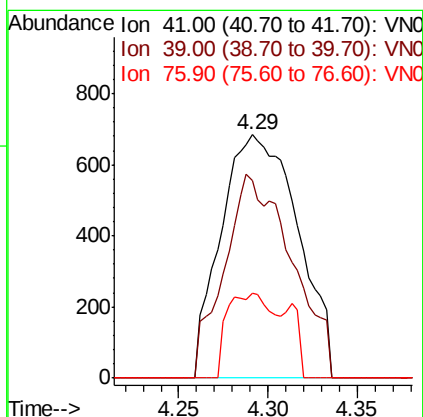
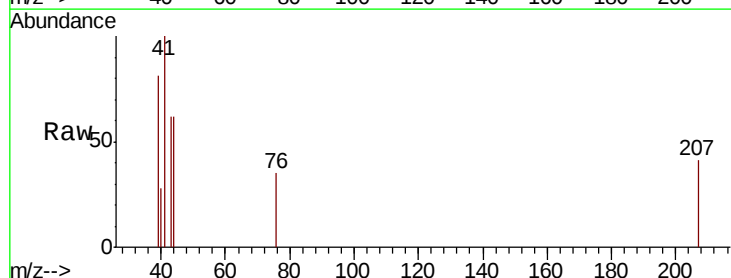
Tgt Ion: 41 Resp: 2053

Ion Ratio Lower Upper

41 100

39 73.6 57.8 86.8

76 21.2 28.6 43.0#





#15

Acrylonitrile

Concen: 1.871 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.01 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

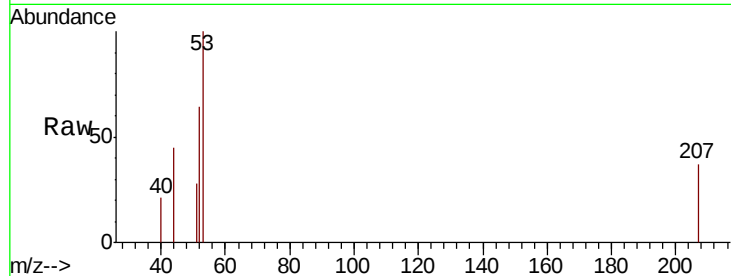
Tot Ion: 53 Resp: 2288

Ion Ratio Lower Upper

53 100

52 91.3 66.2 99.4

51 27.1 28.7 43.1#

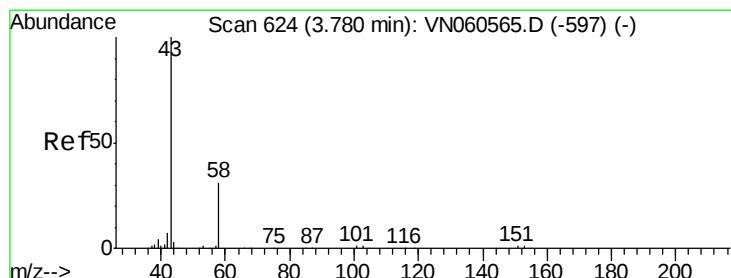
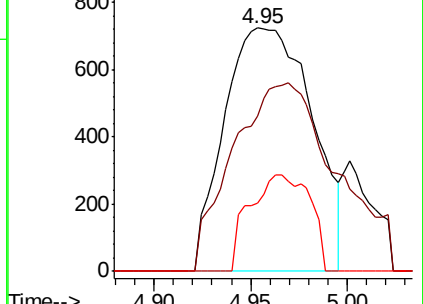
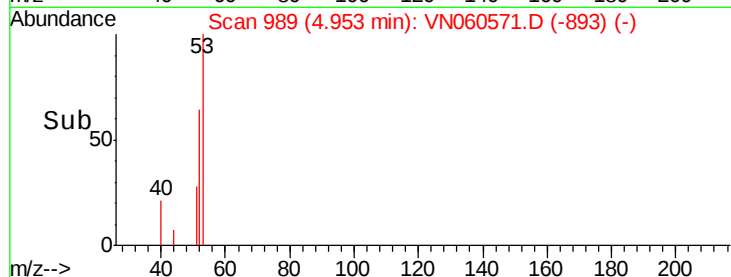


Abundance Ion 53.00 (52.70 to 53.70): VN060565.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN060565.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN060565.D (-964) (-)

Time-->



#16

Acetone

Concen: 2.976 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060571.D

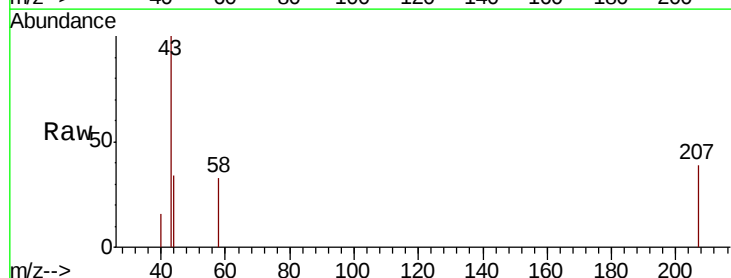
Acq: 17 Mar 2020 22:14

Tgt Ion: 43 Resp: 2982

Ion Ratio Lower Upper

43 100

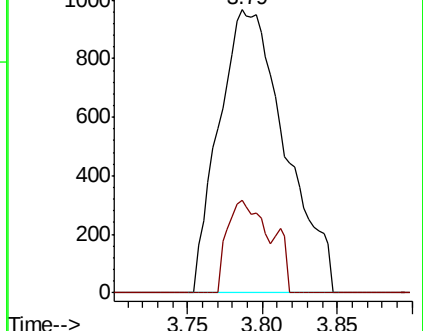
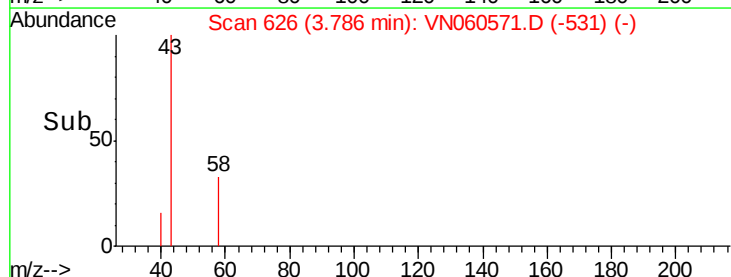
58 32.7 25.1 37.7

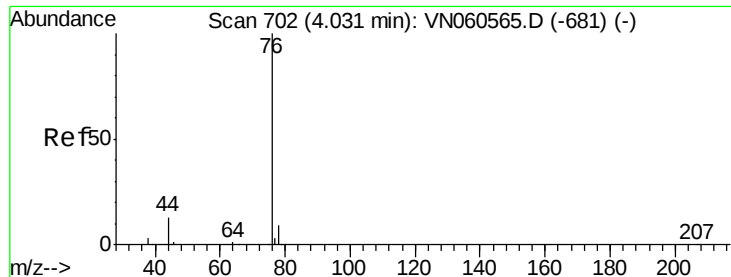


Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-597) (-)

Time-->





#17

Carbon Disulfide

Concen: 0.777 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

Instrument :

MSVOA_N

ClientSampleId :

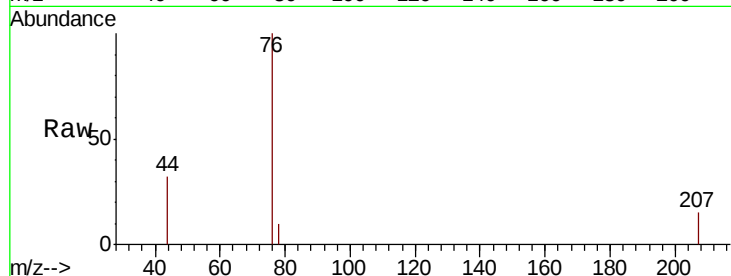
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 76 Resp: 5269

Ion Ratio Lower Upper

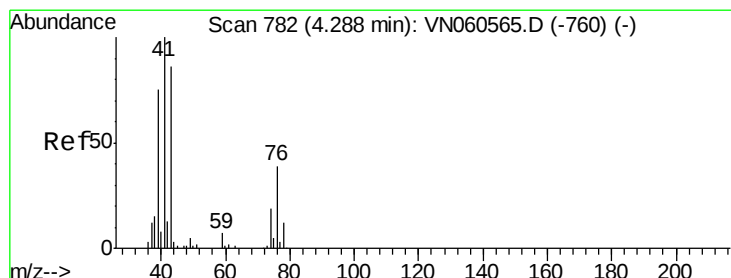
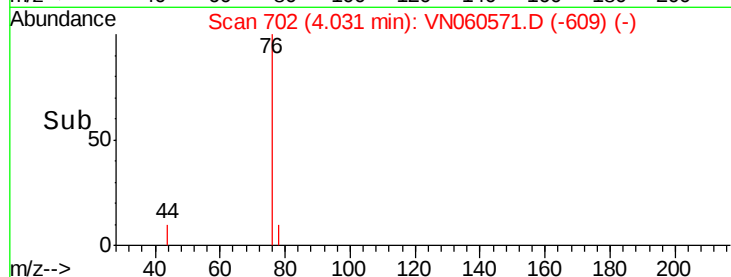
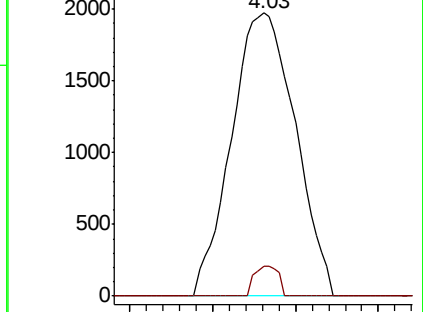
76 100

78 10.4 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN060571.D (-609) (-)

Ion 77.90 (77.60 to 78.60): VN060571.D (-609) (-)



#18

Methyl Acetate

Concen: 0.484 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.01 min

Lab File: VN060571.D

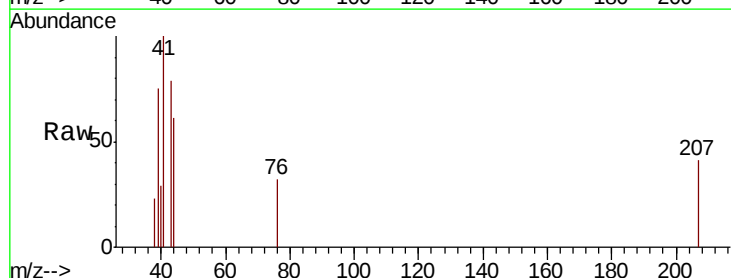
Acq: 17 Mar 2020 22:14

Tgt Ion: 43 Resp: 1365

Ion Ratio Lower Upper

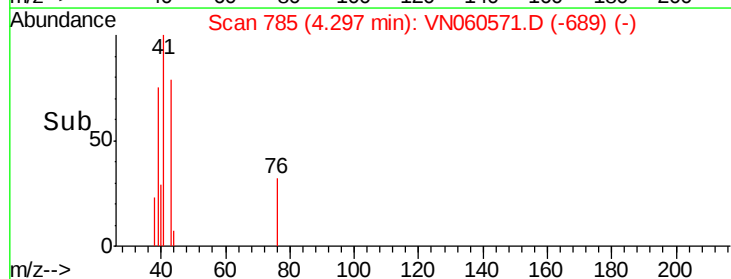
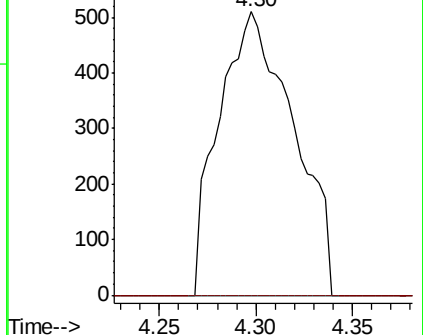
43 100

74 0.0 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VN060571.D (-689) (-)

Ion 74.00 (73.70 to 74.70): VN060571.D (-689) (-)

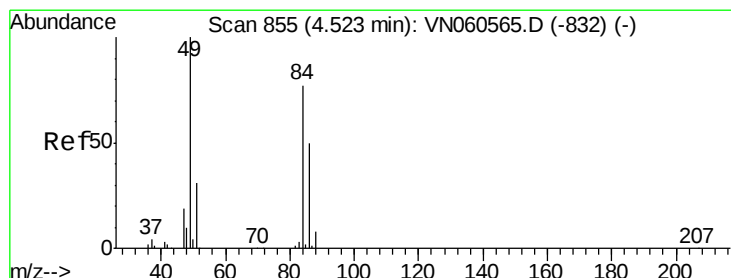
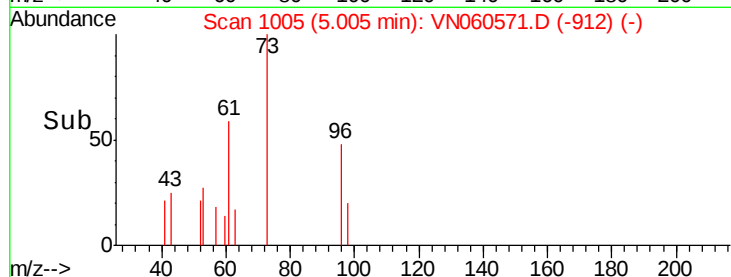
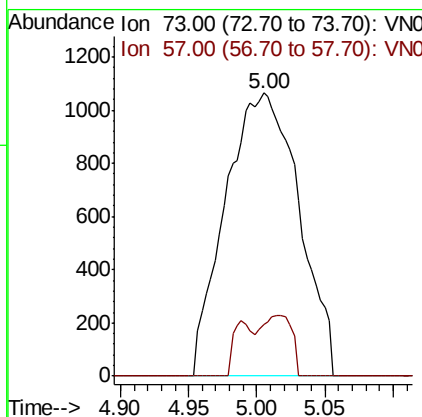
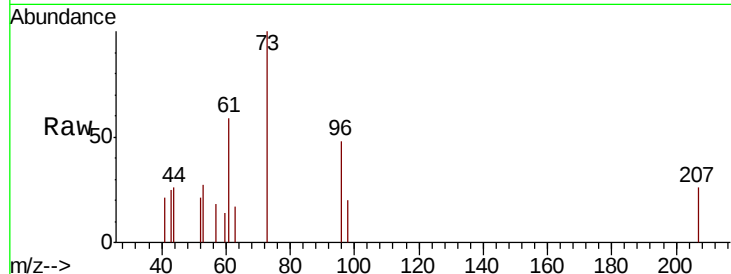




#19
Methyl tert-butyl Ether
Concen: 0.520 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060571.D
Acq: 17 Mar 2020 22:14

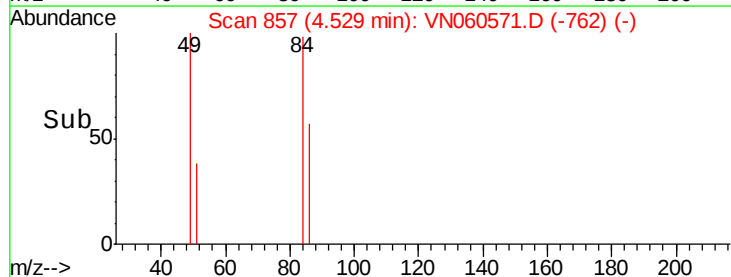
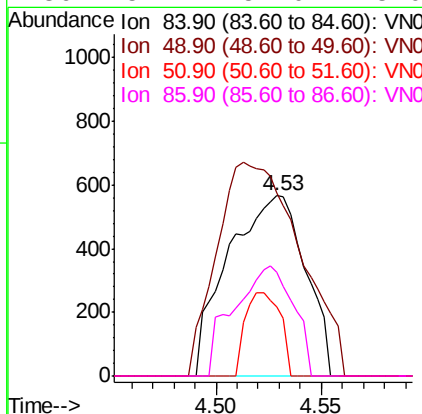
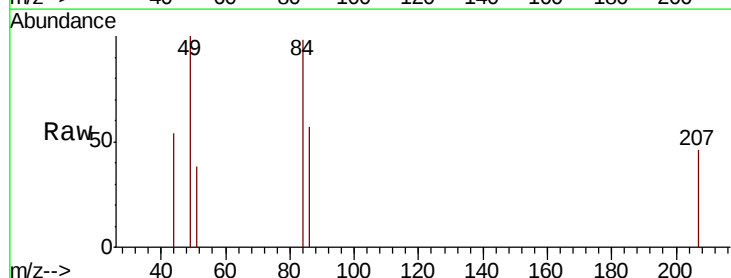
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

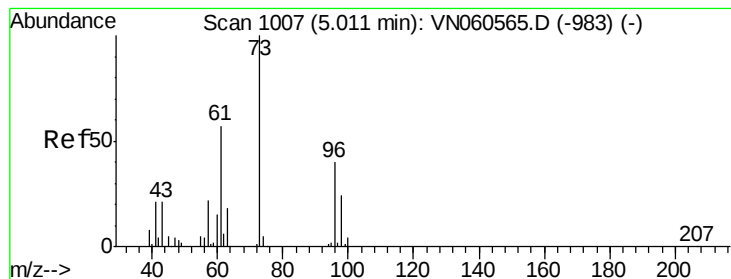
Tot Ion: 73 Resp: 3985
Ion Ratio Lower Upper
73 100
57 18.1 17.5 26.3



#20
Methylene Chloride
Concen: 0.586 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN060571.D
Acq: 17 Mar 2020 22:14

Tgt Ion: 84 Resp: 1444
Ion Ratio Lower Upper
84 100
49 101.6 103.3 154.9#
51 38.3 31.6 47.4
86 57.4 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 0.582 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

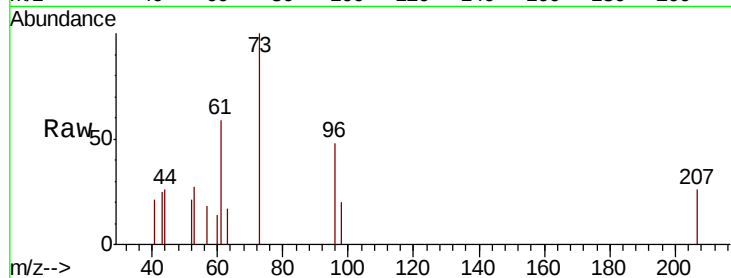
Tot Ion: 96 Resp: 1384

Ion Ratio Lower Upper

96 100

61 123.5 114.4 171.6

98 43.0 48.4 72.6#

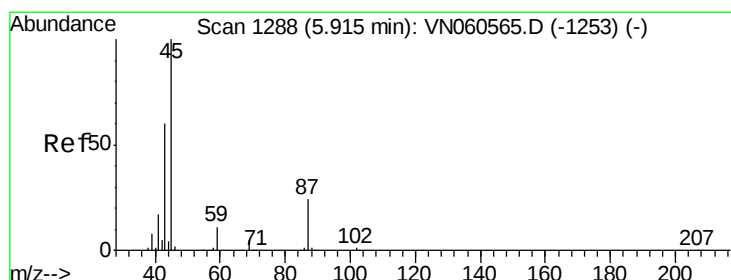
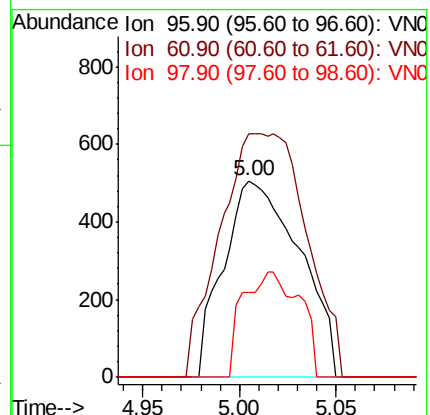
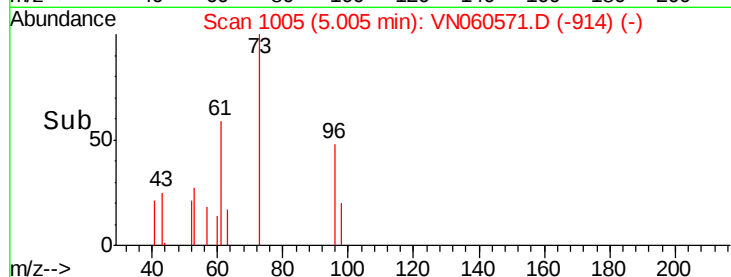


Abundance Ion 95.90 (95.60 to 96.60): VN060571.D (-914) (-)

Ion 60.90 (60.60 to 61.60): VN060571.D (-914) (-)

Ion 97.90 (97.60 to 98.60): VN060571.D (-914) (-)

Time-->



#22

Diisopropyl ether

Concen: 0.527 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

Tgt Ion: 45 Resp: 4368

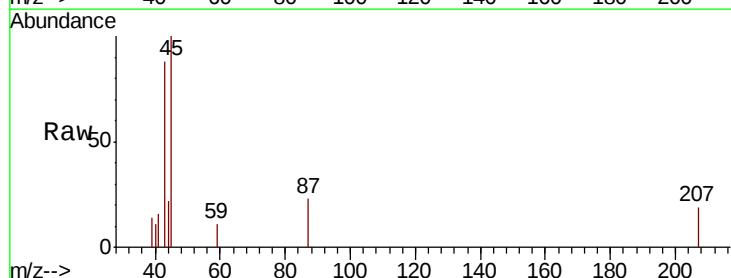
Ion Ratio Lower Upper

45 100

43 70.5 49.8 74.8

87 23.4 20.1 30.1

59 11.4 9.2 13.8



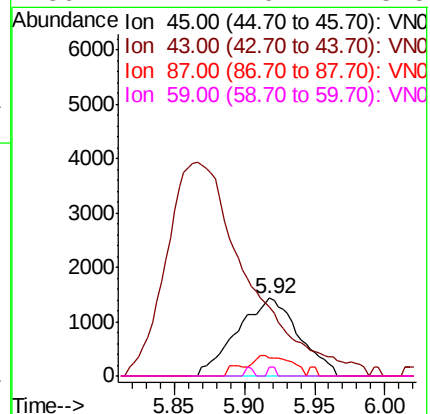
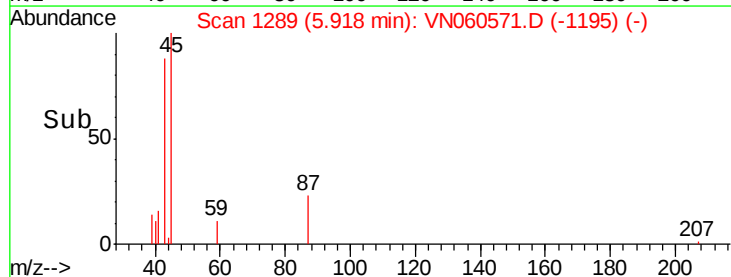
Abundance Ion 45.00 (44.70 to 45.70): VN060571.D (-1195) (-)

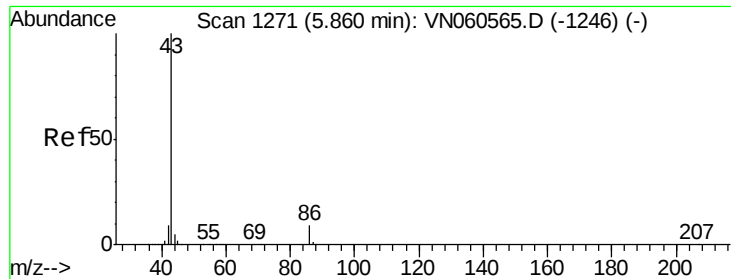
Ion 43.00 (42.70 to 43.70): VN060571.D (-1195) (-)

Ion 87.00 (86.70 to 87.70): VN060571.D (-1195) (-)

Ion 59.00 (58.70 to 59.70): VN060571.D (-1195) (-)

Time-->





#23

Vinyl Acetate

Concen: 2.349 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

Instrument :

MSVOA_N

ClientSampleId :

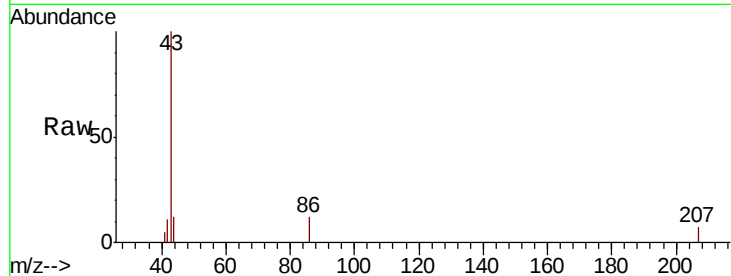
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 43 Resp: 15889

Ion Ratio Lower Upper

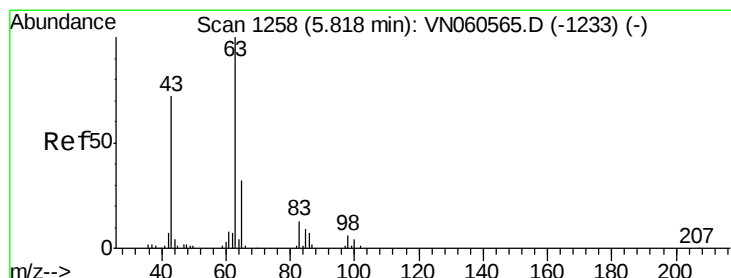
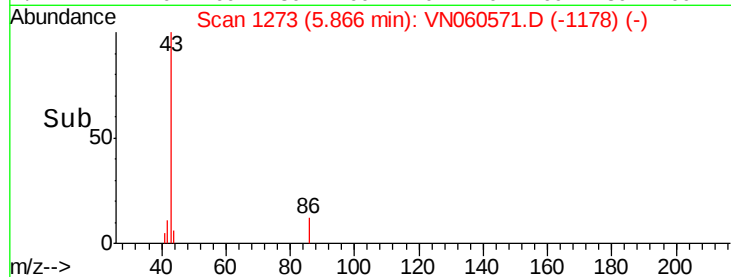
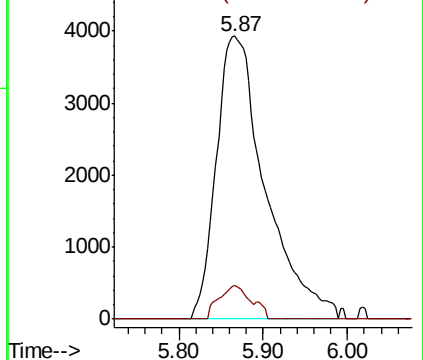
43 100

86 12.1 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 0.515 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

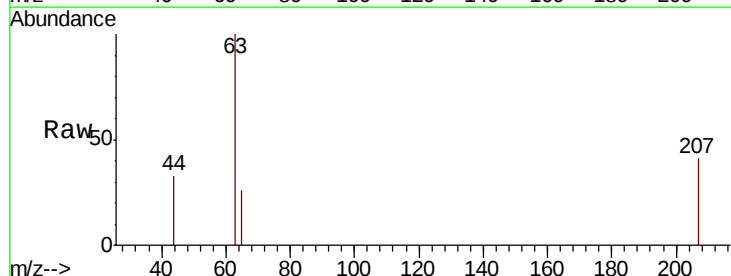
Tgt Ion: 63 Resp: 2325

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.7#

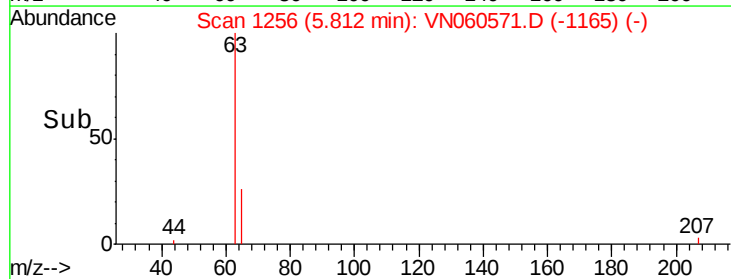
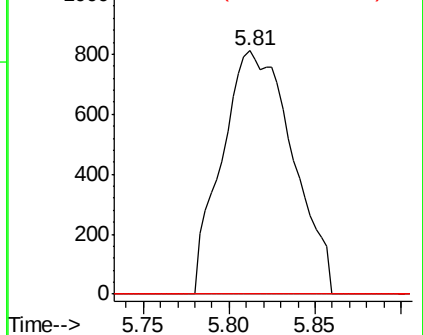
100 0.0 1.8 5.5#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

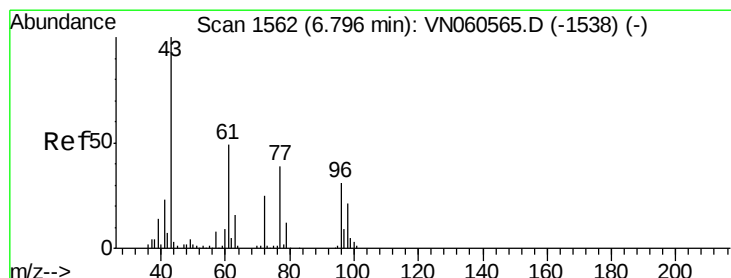
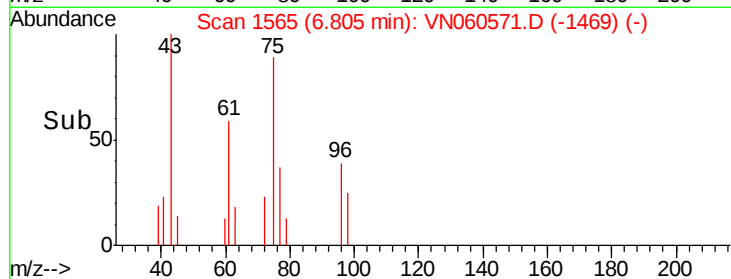
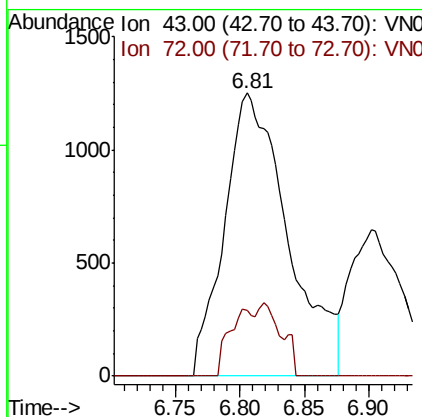
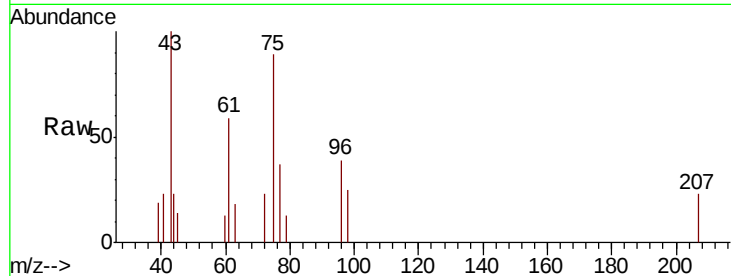




#25
 2-Butanone
 Concen: 2.646 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: VN060571.D
 Acq: 17 Mar 2020 22:14

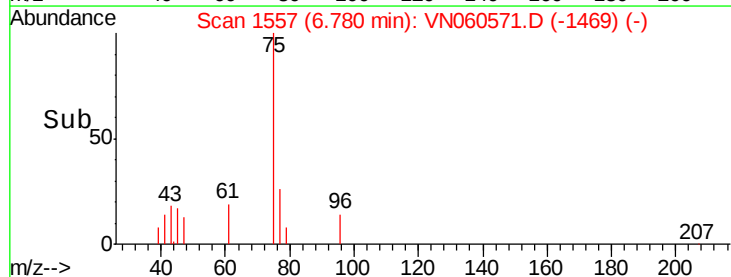
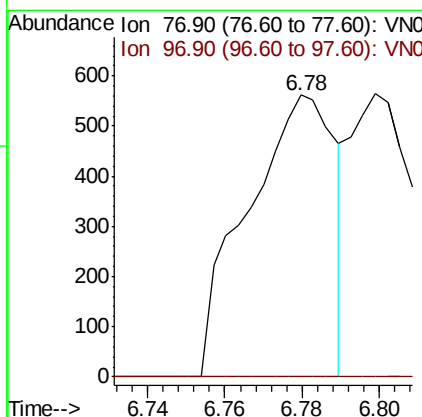
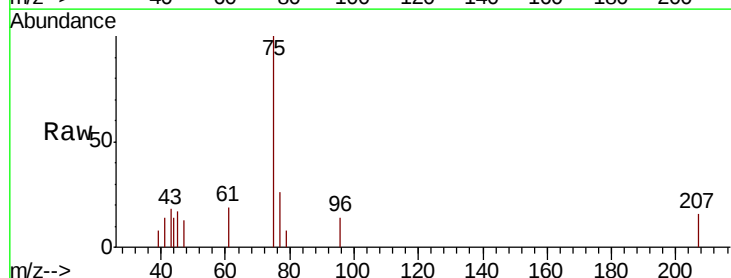
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

Tot Ion: 43 Resp: 4290
 Ion Ratio Lower Upper
 43 100
 72 23.3 20.4 30.6



#26
 2,2-Dichloropropane
 Concen: 0.248 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.02 min
 Lab File: VN060571.D
 Acq: 17 Mar 2020 22:14

Tgt Ion: 77 Resp: 882
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.4 34.1#





#27

cis-1,2-Dichloroethene

Concen: 0.581 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

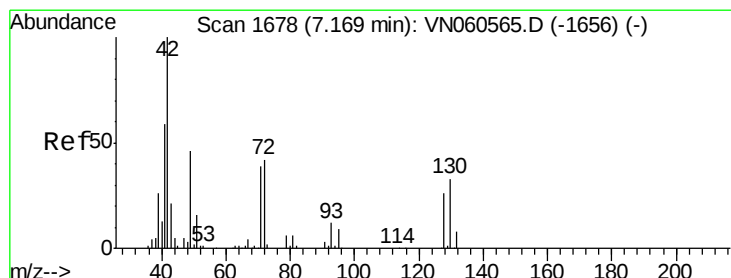
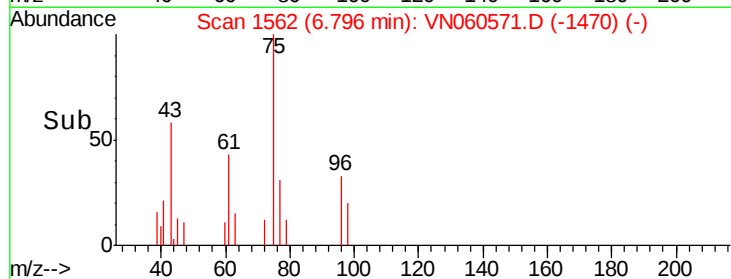
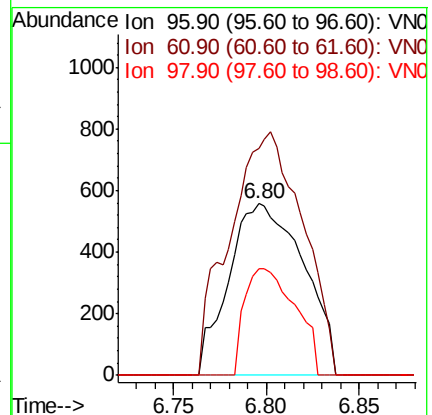
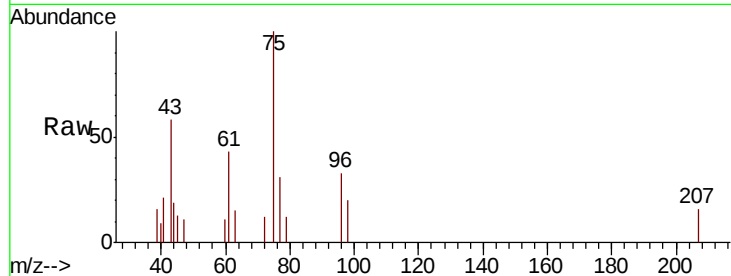
Tot Ion: 96 Resp: 1569

Ion Ratio Lower Upper

96 100

61 138.0 0.0 305.6

98 41.8 0.0 127.6



#28

Bromochloromethane

Concen: 0.464 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

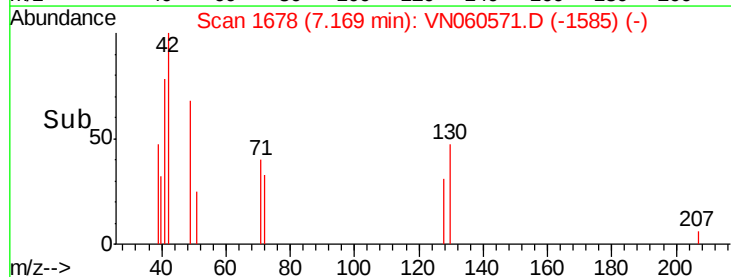
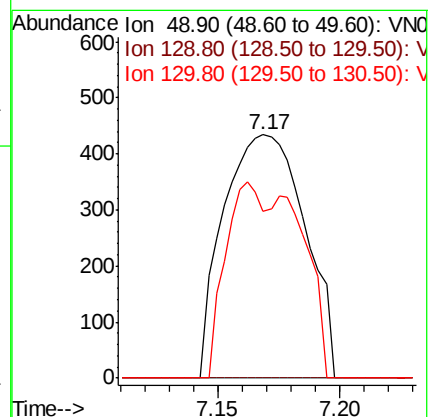
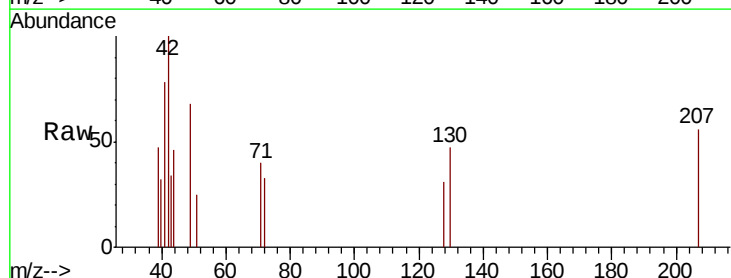
Tgt Ion: 49 Resp: 1004

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.4

130 37.6 55.0 82.4#

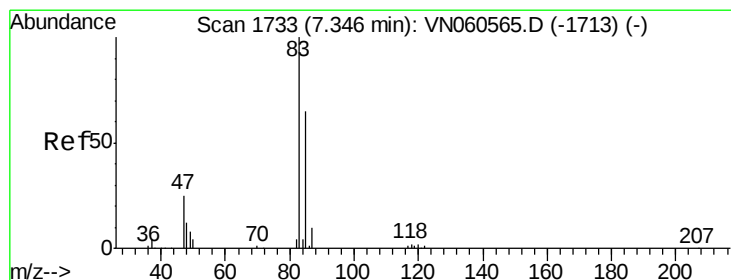
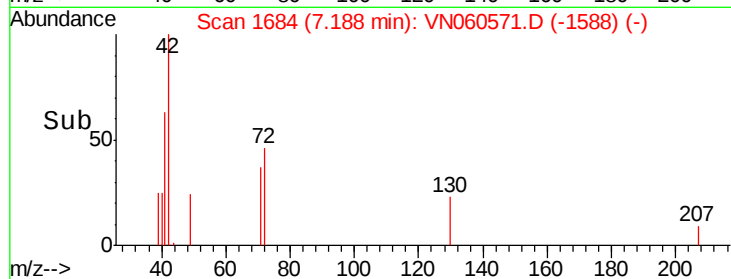
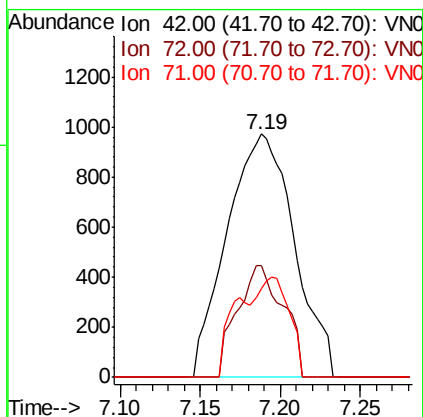
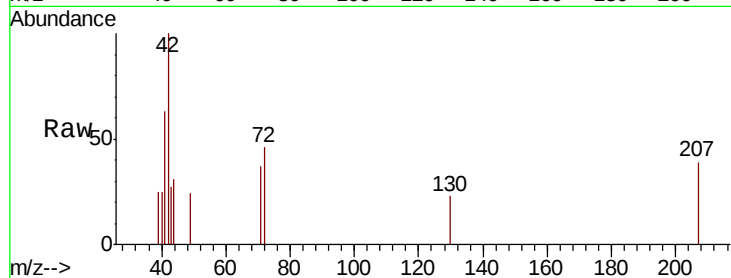




#29
Tetrahydrofuran
Concen: 2.447 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VN060571.D
Acq: 17 Mar 2020 22:14

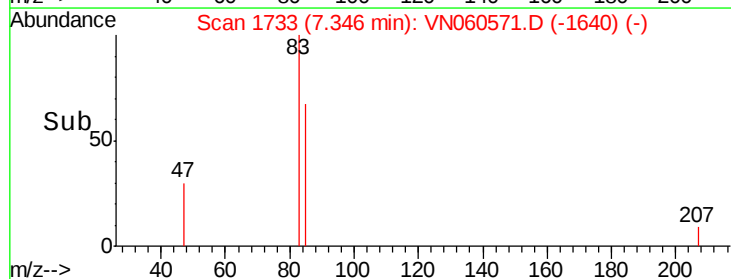
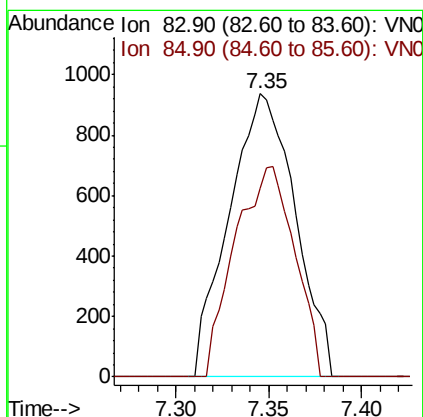
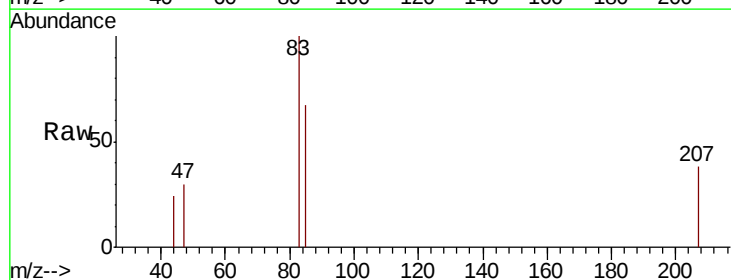
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

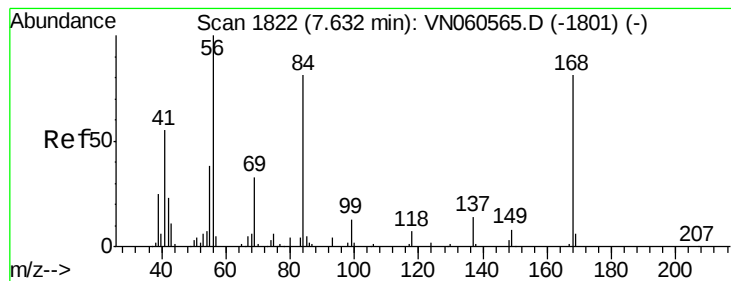
Tot Ion: 42 Resp: 2807
Ion Ratio Lower Upper
42 100
72 31.1 33.2 49.8#
71 19.9 31.1 46.7#



#30
Chloroform
Concen: 0.536 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060571.D
Acq: 17 Mar 2020 22:14

Tgt Ion: 83 Resp: 2320
Ion Ratio Lower Upper
83 100
85 66.6 51.8 77.8





#31

Cyclohexane

Concen: 1.427 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

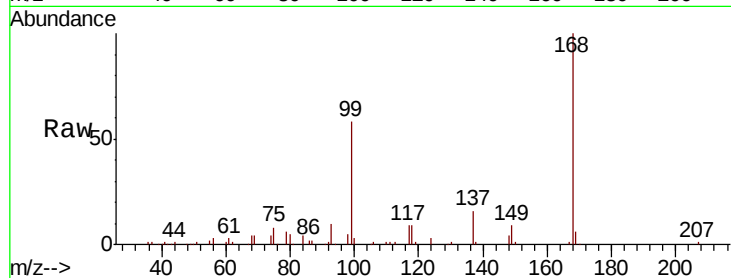
Tot Ion: 56 Resp: 6500

Ion Ratio Lower Upper

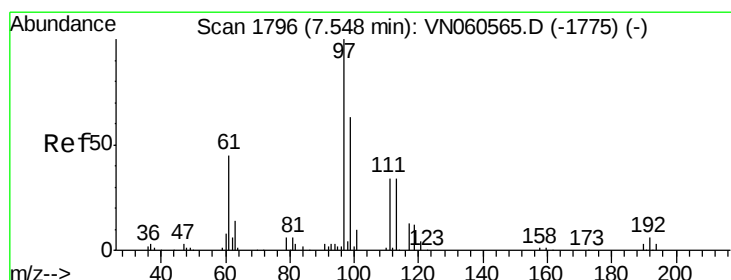
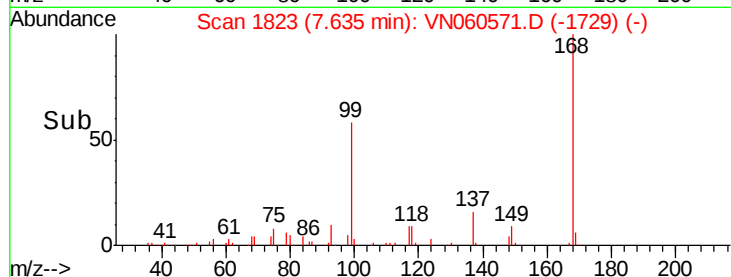
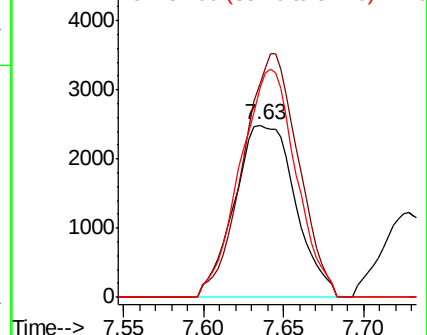
56 100

69 124.3 26.6 40.0#

84 121.8 64.3 96.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 0.529 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

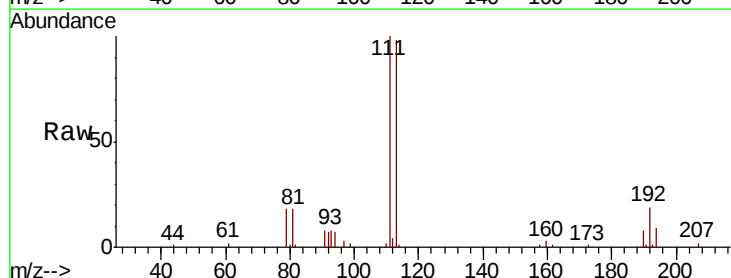
Tgt Ion: 97 Resp: 1977

Ion Ratio Lower Upper

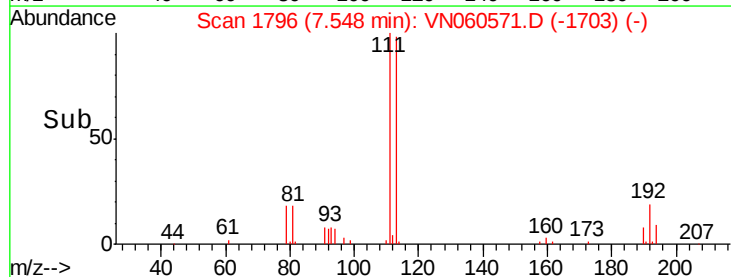
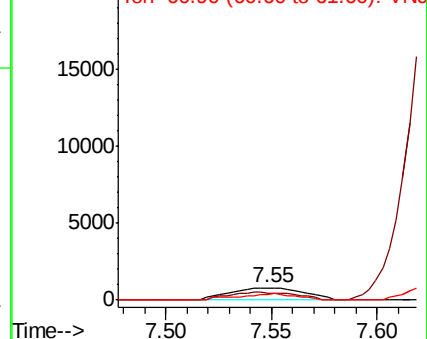
97 100

99 0.0 50.6 75.8#

61 40.8 36.2 54.4



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

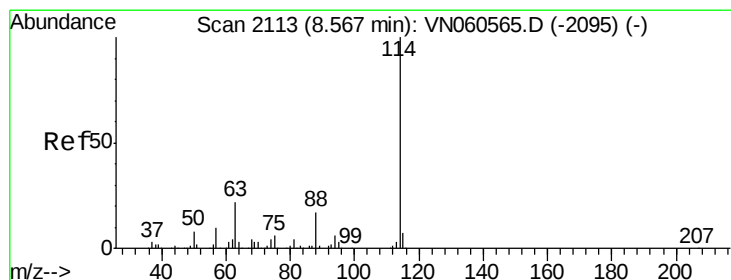
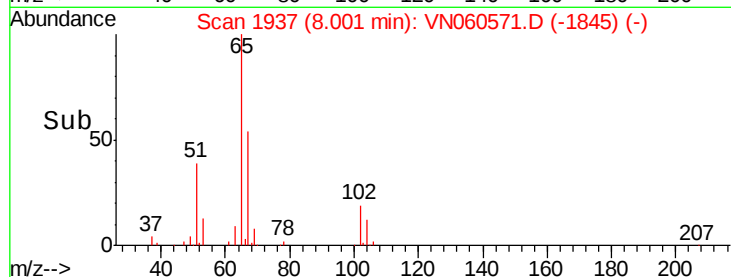
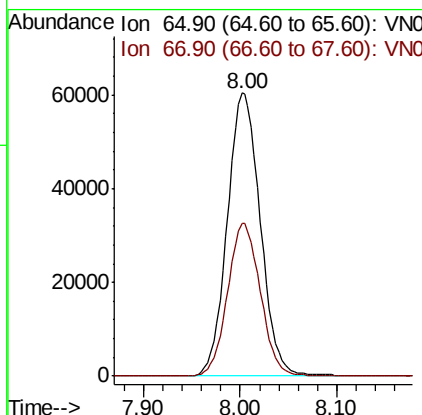
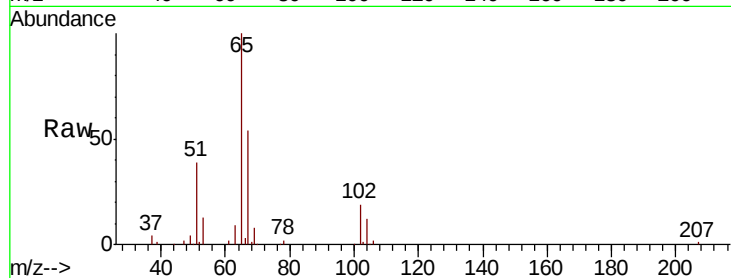




#33
 1,2-Dichloroethane-d4
 Concen: 50.628 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060571.D
 Acq: 17 Mar 2020 22:14

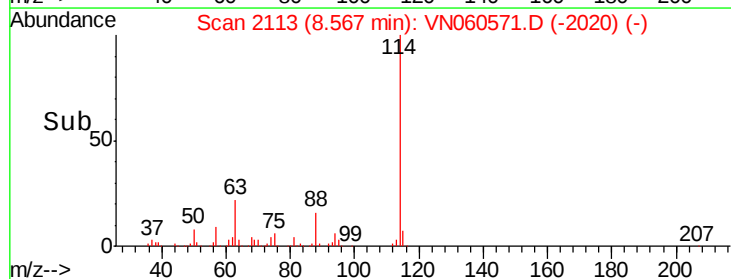
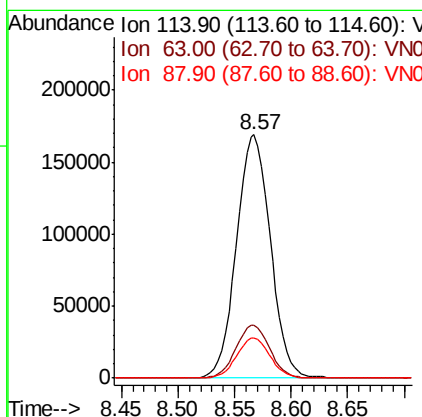
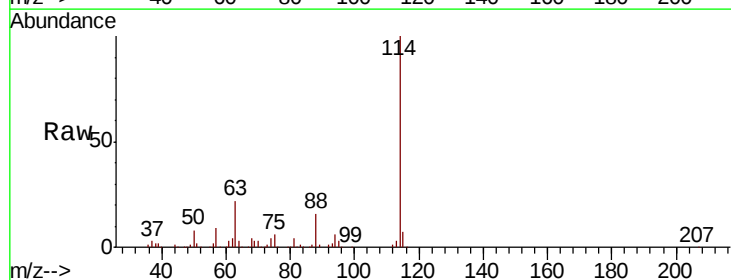
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

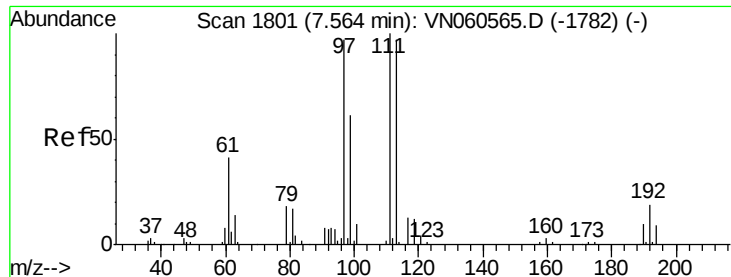
Tot Ion: 65 Resp: 143195
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060571.D
 Acq: 17 Mar 2020 22:14

Tgt Ion: 114 Resp: 353043
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.8
 88 16.4 0.0 33.0

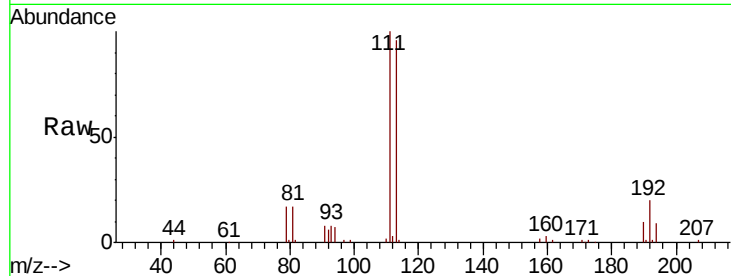




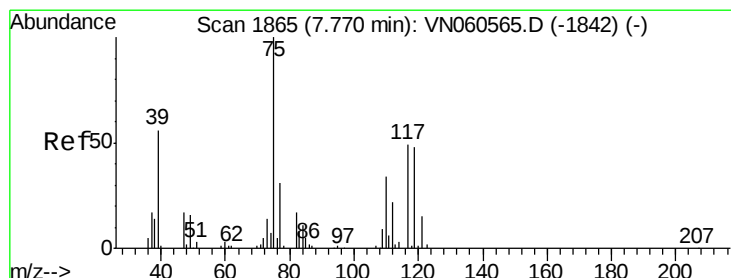
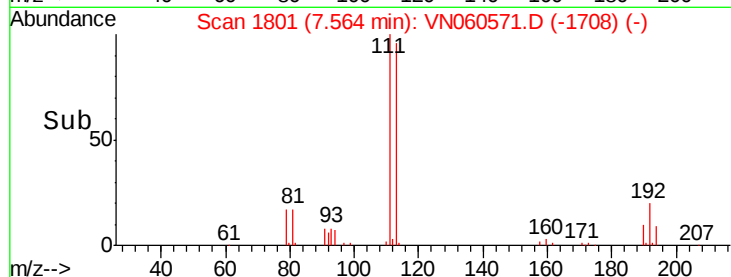
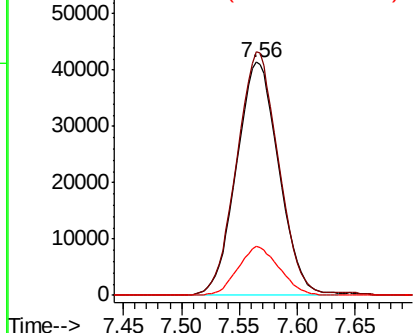
#35
 Dibromofluoromethane
 Concen: 49.389 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060571.D
 Acq: 17 Mar 2020 22:14

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

Tot Ion:113 Resp: 105432
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.9 124.3
 192 20.5 15.8 23.8

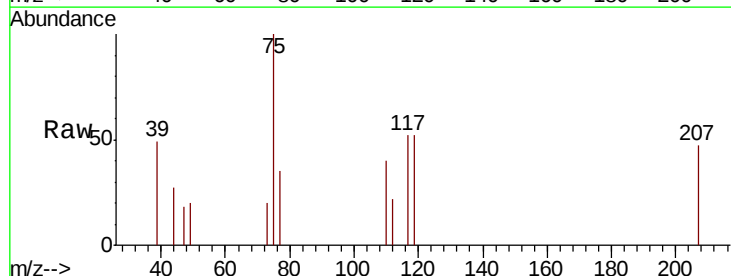


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

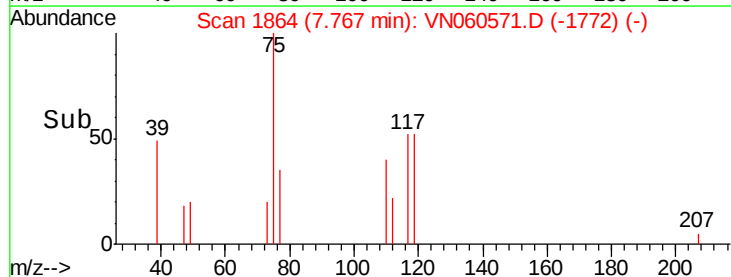
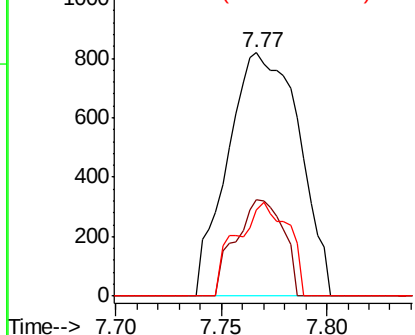


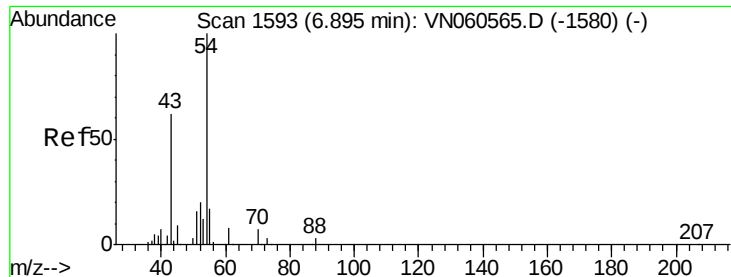
#36
 1,1-Dichloropropene
 Concen: 0.565 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060571.D
 Acq: 17 Mar 2020 22:14

Tgt Ion: 75 Resp: 1931
 Ion Ratio Lower Upper
 75 100
 110 26.3 16.9 50.6
 77 28.0 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

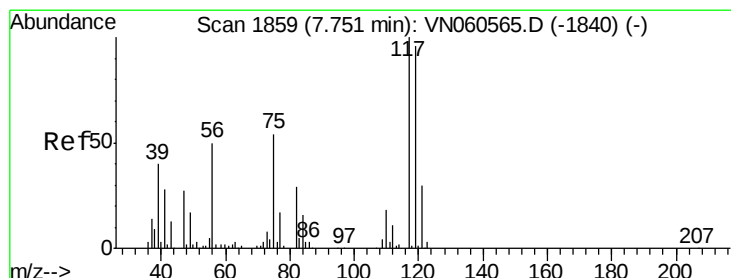
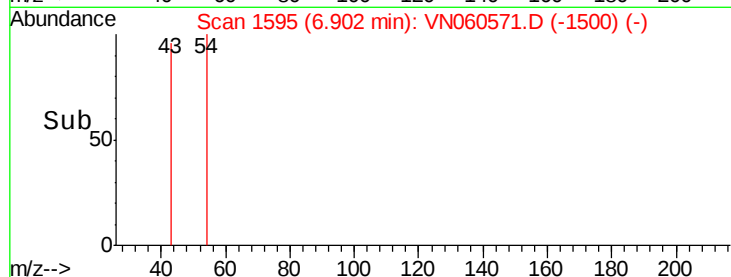
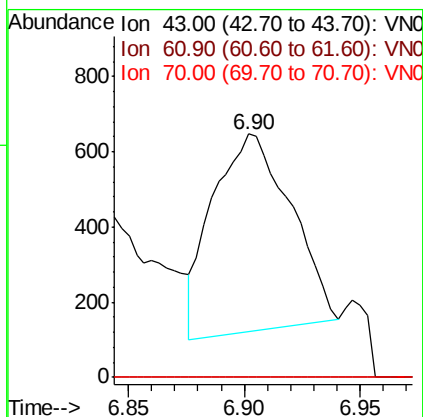
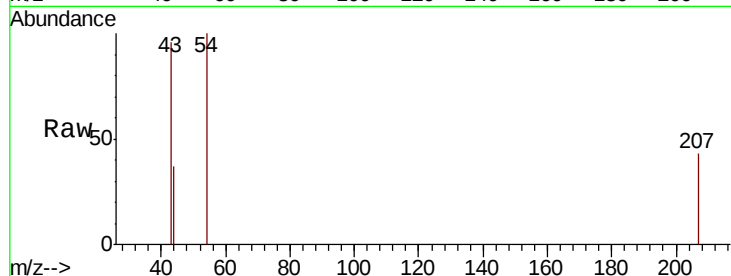




#37
Ethyl Acetate
Concen: 0.334 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.01 min
Lab File: VN060571.D
Acq: 17 Mar 2020 22:14

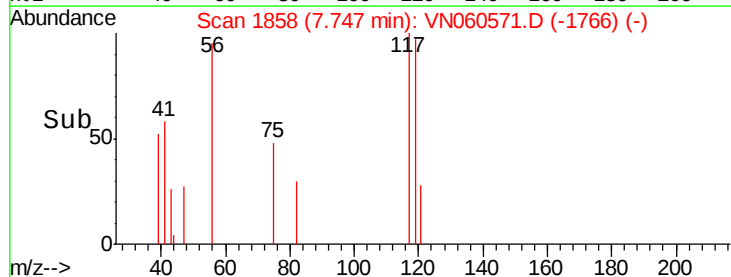
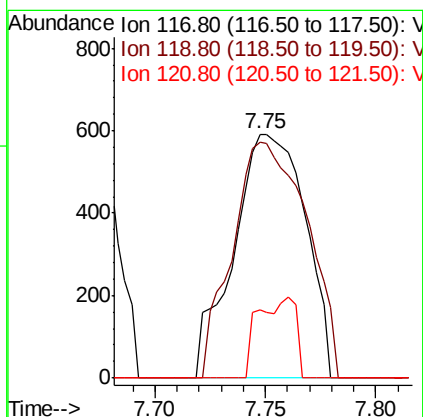
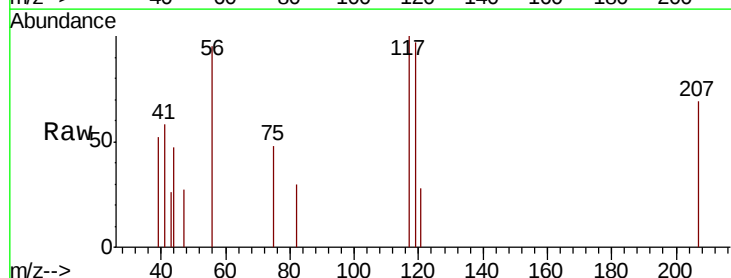
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

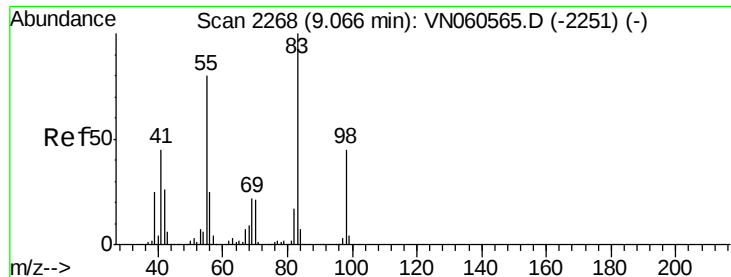
Tot Ion: 43 Resp: 1233
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 0.435 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060571.D
Acq: 17 Mar 2020 22:14

Tgt Ion: 117 Resp: 1334
Ion Ratio Lower Upper
117 100
119 96.8 76.2 114.2
121 27.9 23.7 35.5

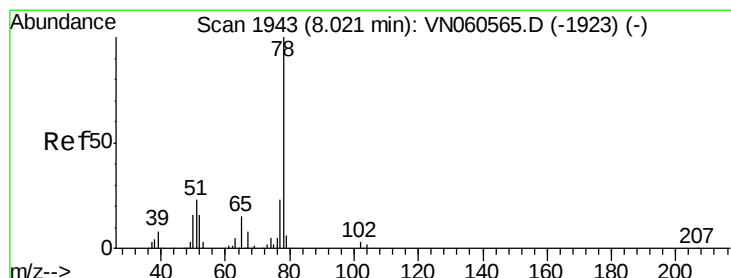
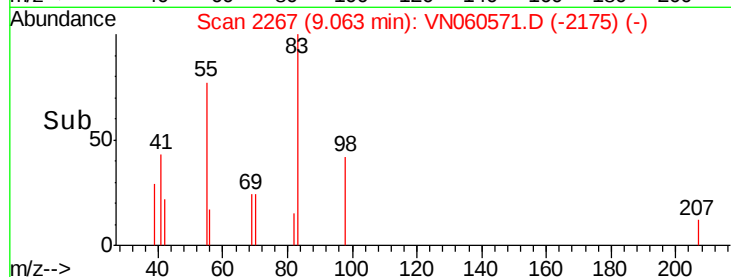
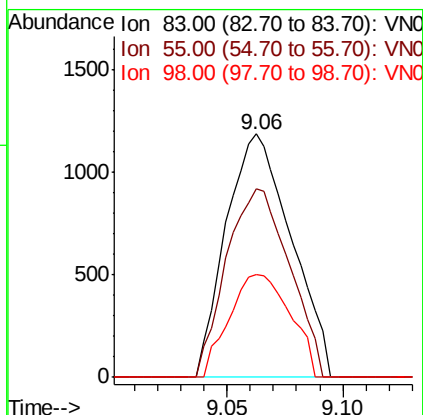
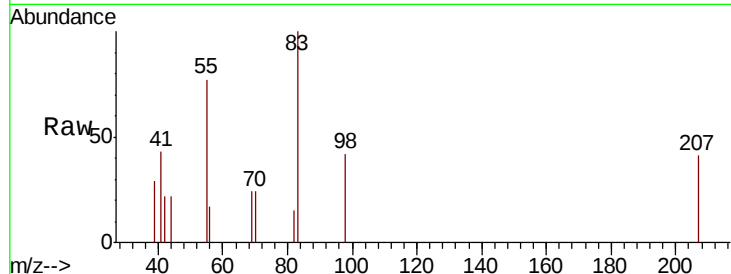




#39
Methvlcvclohexane
Concen: 0.570 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060571.D
Acq: 17 Mar 2020 22:14

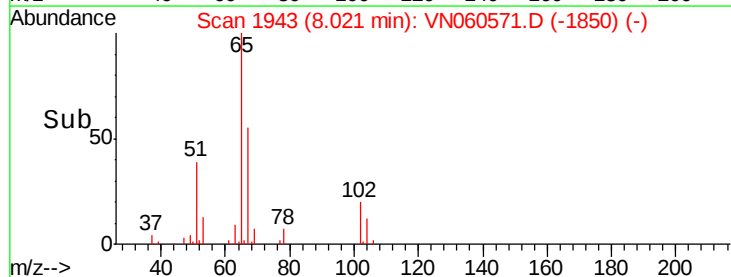
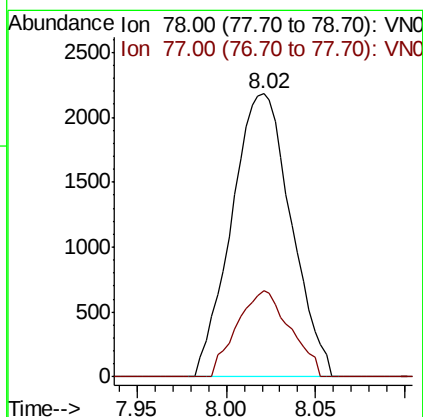
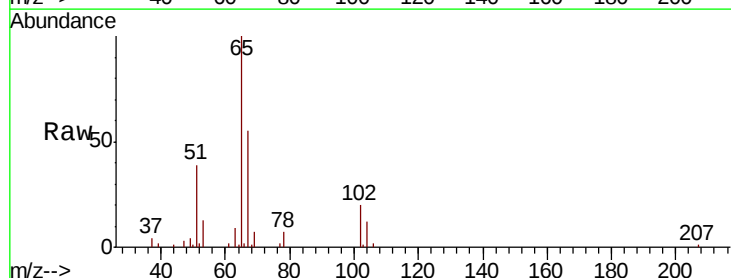
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

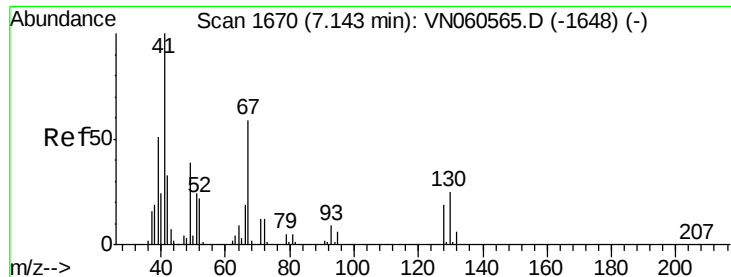
Tot Ion: 83 Resp: 2317
Ion Ratio Lower Upper
83 100
55 77.4 63.6 95.4
98 42.3 36.0 54.0



#40
Benzene
Concen: 0.490 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060571.D
Acq: 17 Mar 2020 22:14

Tgt Ion: 78 Resp: 5061
Ion Ratio Lower Upper
78 100
77 30.6 18.6 28.0#

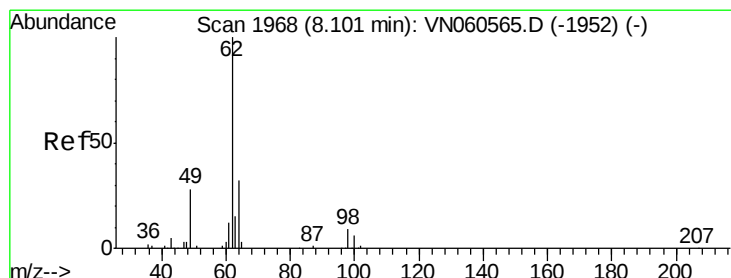
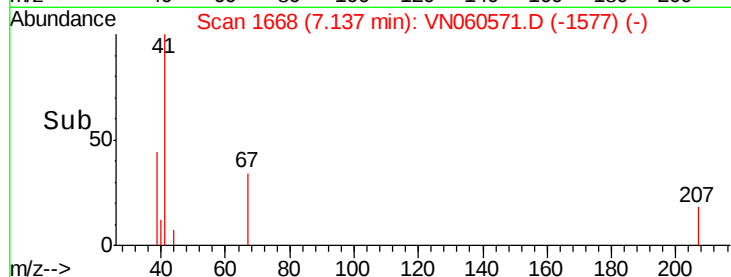
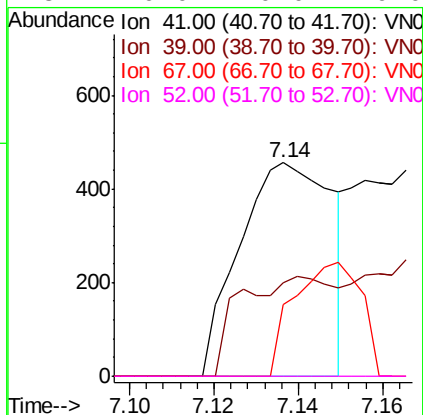
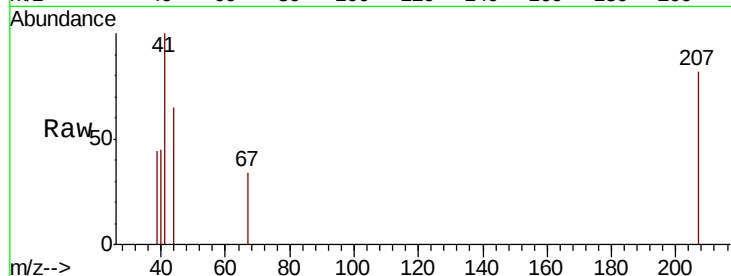




#41
Methacrylonitrile
Concen: 0.440 ug/l
RT: 7.14 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VN060571.D
Acq: 17 Mar 2020 22:14

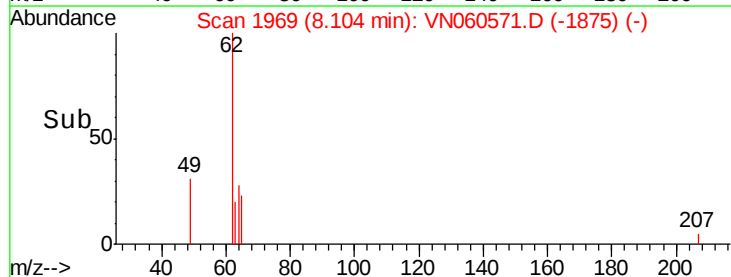
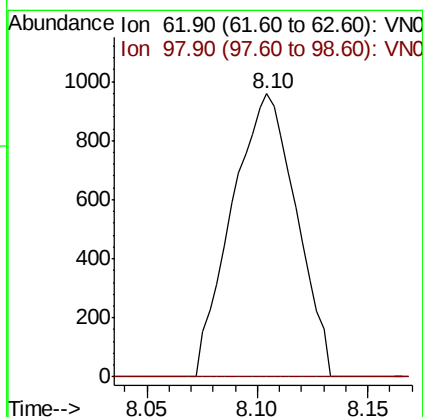
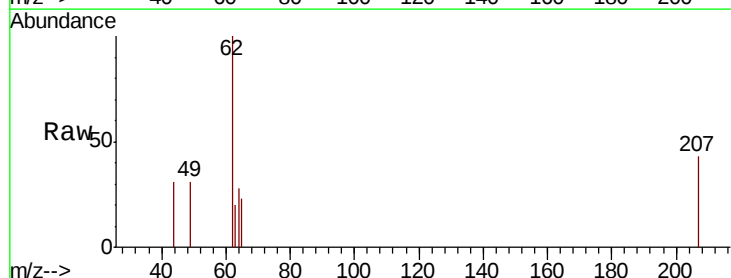
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

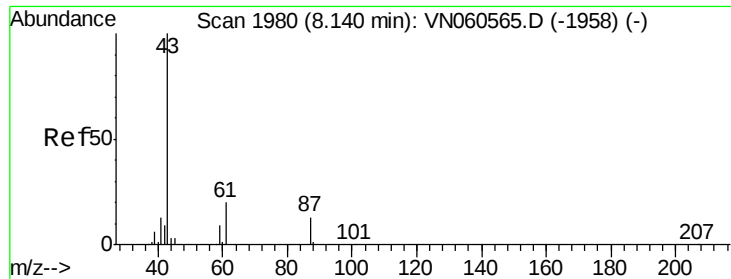
Tot Ion:	41	Resp:	693
Ion	Ratio	Lower	Upper
41	100		
39	47.3	0.0	0.0#
67	38.5	0.0	0.0#
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 0.549 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN060571.D
Acq: 17 Mar 2020 22:14

Tgt Ion:	62	Resp:	1935
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	17.8





#43

Isopropyl Acetate

Concen: 0.480 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

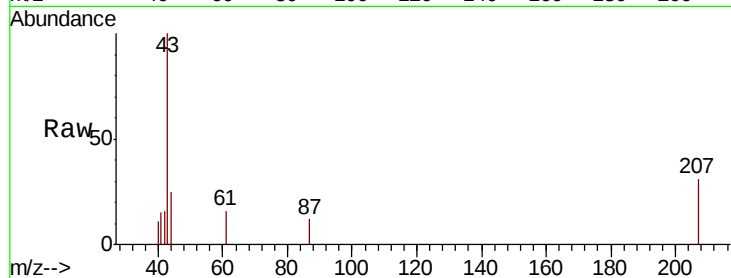
Tot Ion: 43 Resp: 2927

Ion Ratio Lower Upper

43 100

61 10.2 20.7 31.1#

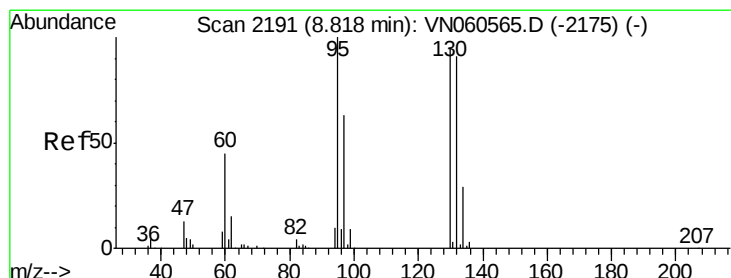
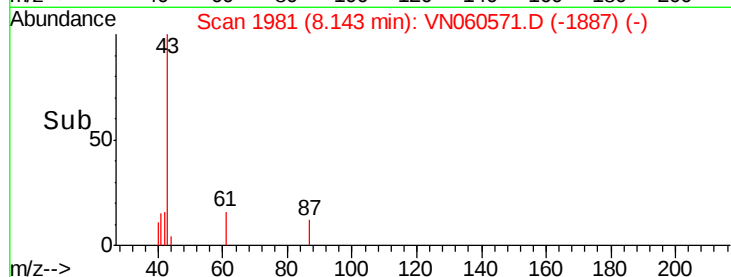
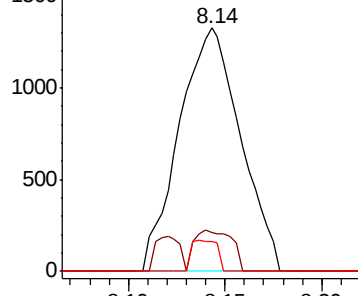
87 5.4 9.8 14.8#



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-1958) (-)

Ion 61.00 (60.70 to 61.70): VN060565.D (-1958) (-)

Ion 87.00 (86.70 to 87.70): VN060565.D (-1958) (-)



#44

Trichloroethene

Concen: 0.648 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN060571.D

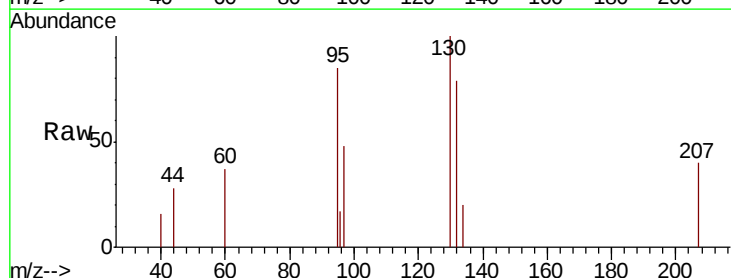
Acq: 17 Mar 2020 22:14

Tgt Ion: 130 Resp: 1687

Ion Ratio Lower Upper

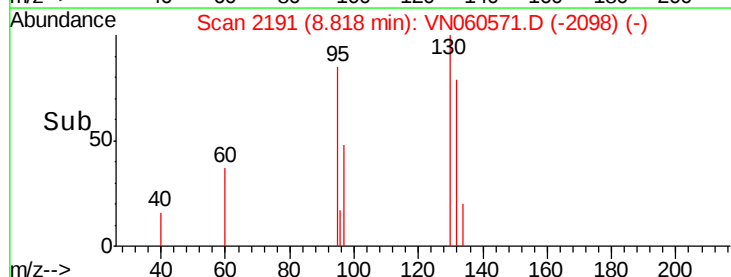
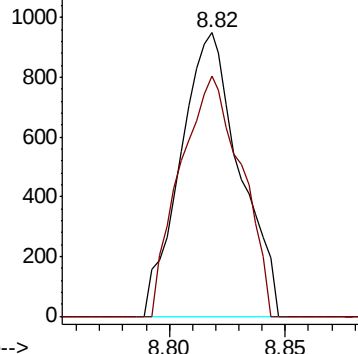
130 100

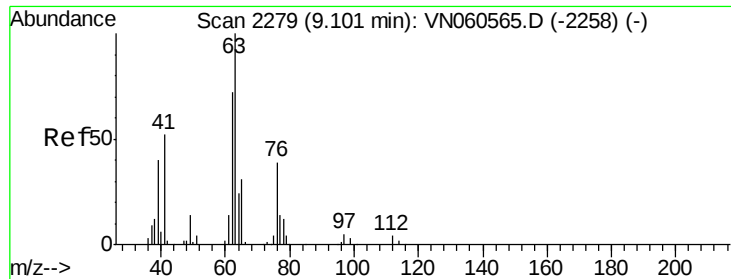
95 84.6 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN060565.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060565.D (-2175) (-)

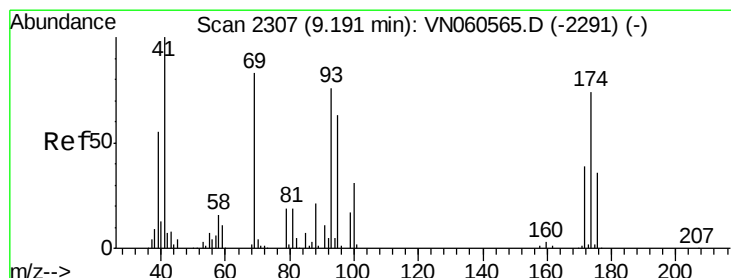
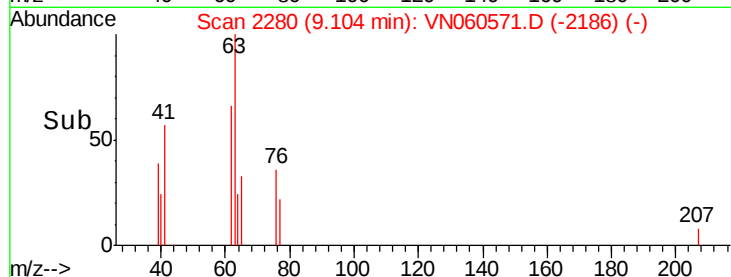
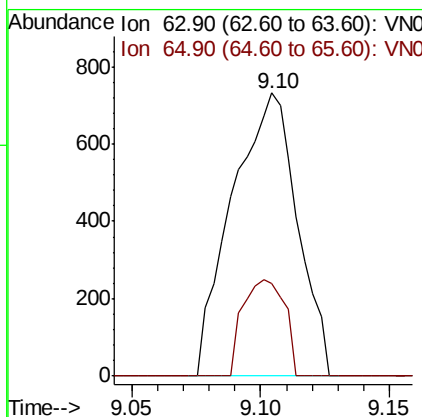
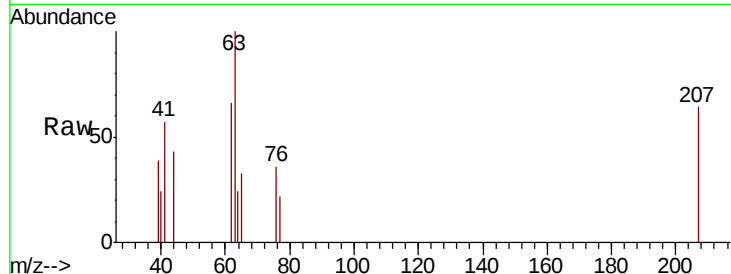




#45
 1,2-Dichloropropane
 Concen: 0.473 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN060571.D
 Acq: 17 Mar 2020 22:14

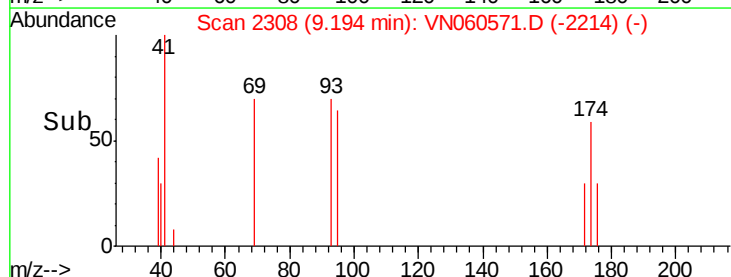
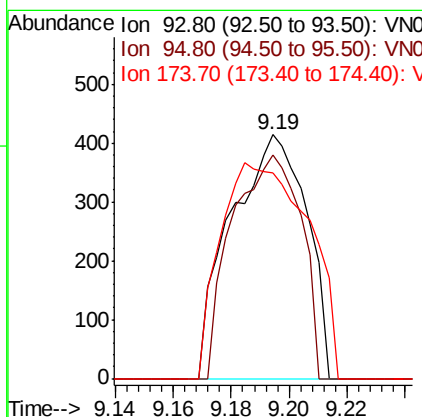
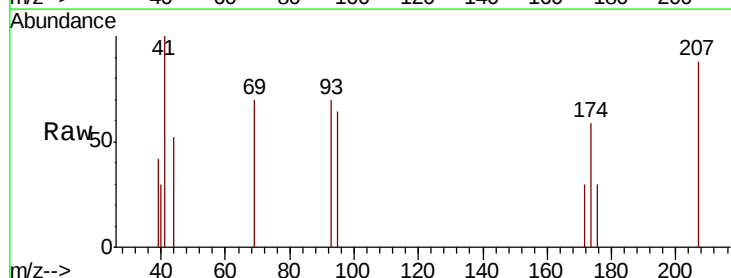
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

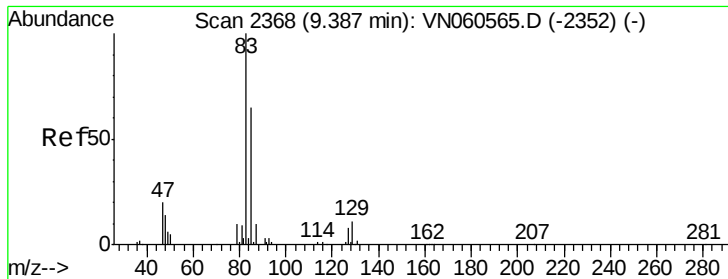
Tot Ion: 63 Resp: 1289
 Ion Ratio Lower Upper
 63 100
 65 32.8 25.4 38.0



#46
 Dibromomethane
 Concen: 0.455 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN060571.D
 Acq: 17 Mar 2020 22:14

Tgt Ion: 93 Resp: 749
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.2 99.4
 174 102.7 77.9 116.9





#47

Bromodichloromethane

Concen: 0.477 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

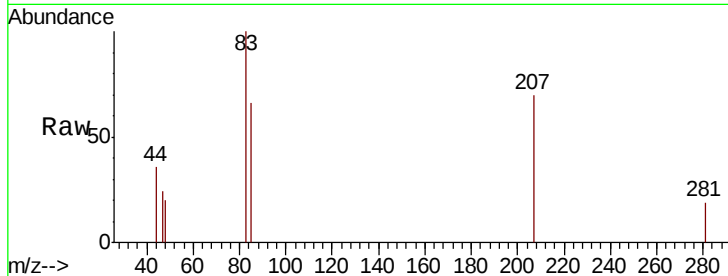
Tot Ion: 83 Resp: 1632

Ion Ratio Lower Upper

83 100

85 65.7 51.8 77.6

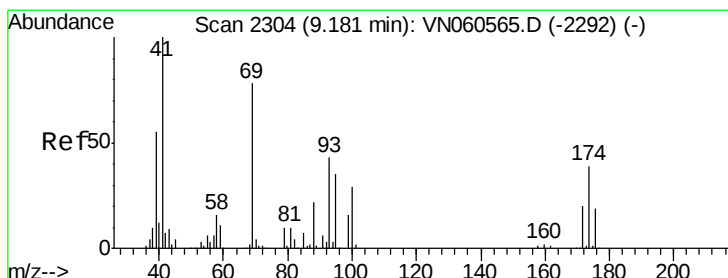
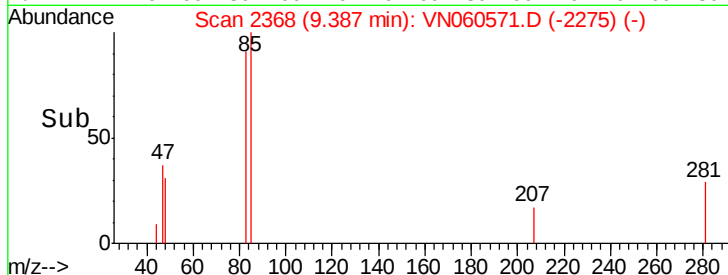
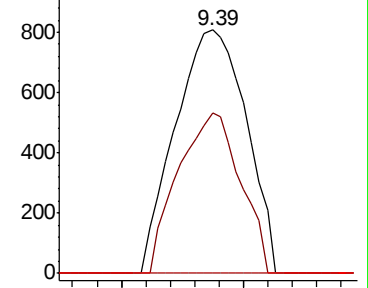
127 0.0 6.5 9.7#



Abundance Ion 82.90 (82.60 to 83.60): VN060571.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060571.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060571.D (-2275) (-)



#48

Methyl methacrylate

Concen: 0.468 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.01 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

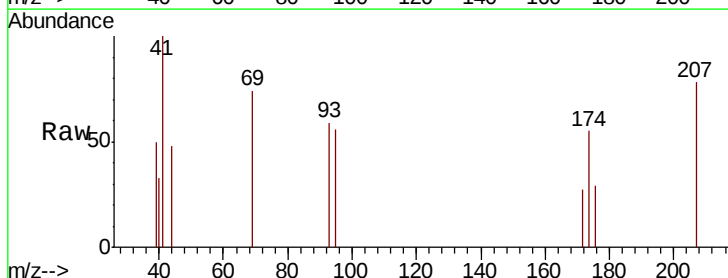
Tgt Ion: 41 Resp: 1268

Ion Ratio Lower Upper

41 100

69 73.6 65.4 98.0

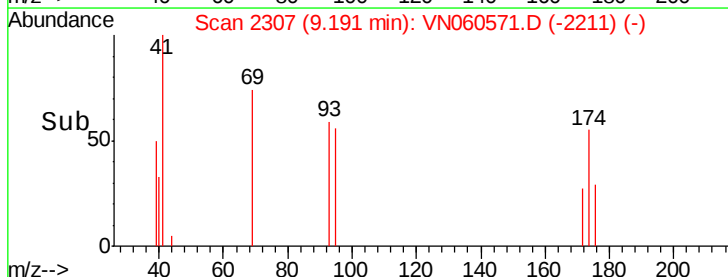
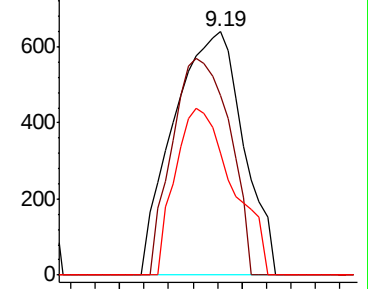
39 56.5 44.0 66.0

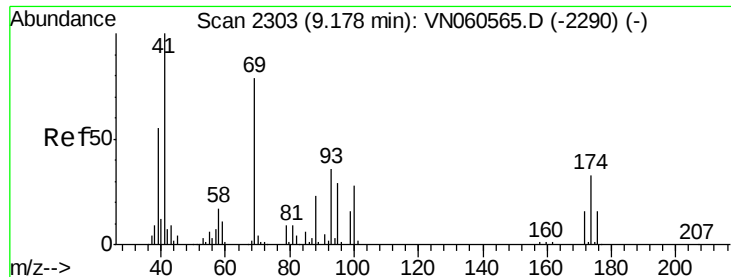


Abundance Ion 41.00 (40.70 to 41.70): VN060571.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060571.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060571.D (-2211) (-)

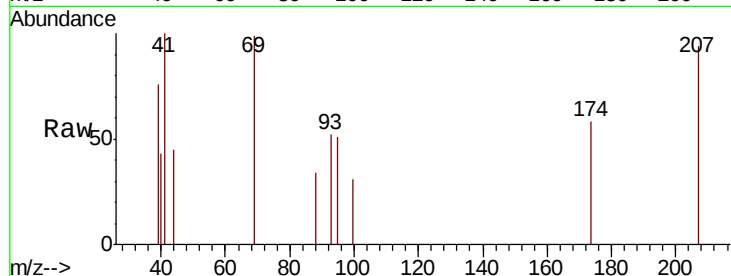




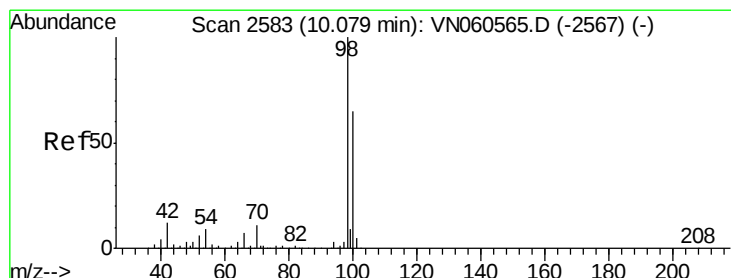
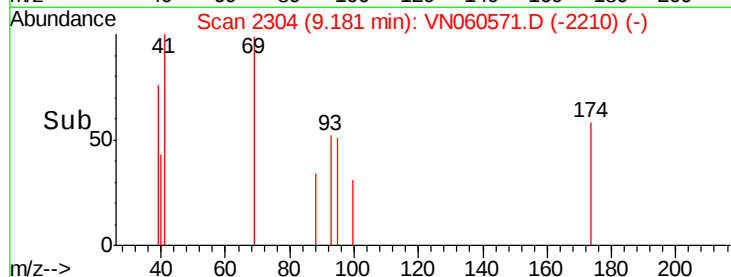
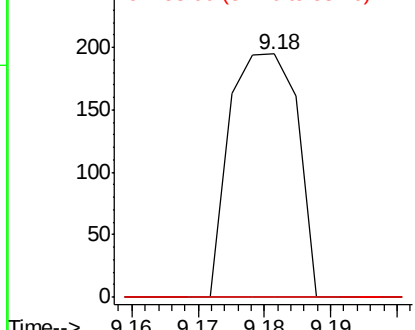
#49
1,4-Dioxane
Concen: 4.281 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060571.D
Acq: 17 Mar 2020 22:14

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 88 Resp: 138
Ion Ratio Lower Upper
88 100
43 0.0 30.8 46.2#
58 0.0 59.8 89.8#

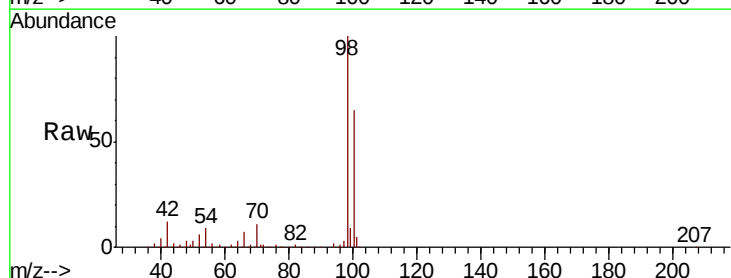


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

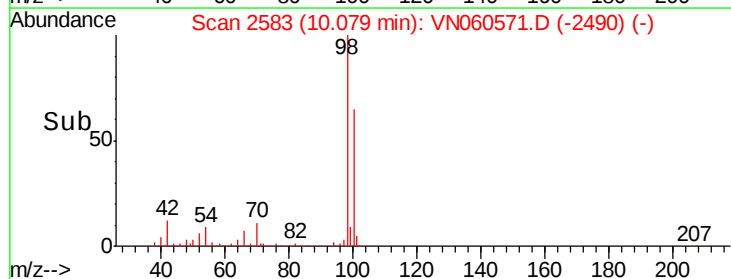
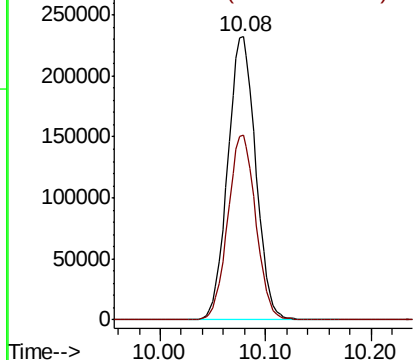


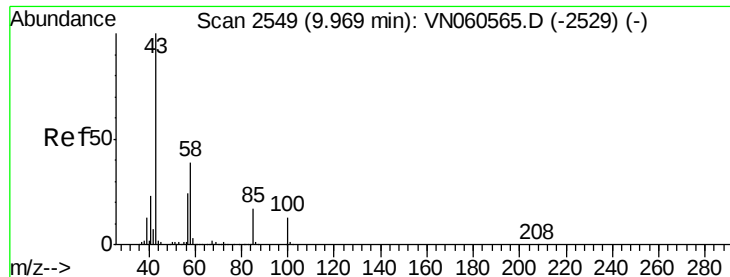
#50
Toluene-d8
Concen: 48.798 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060571.D
Acq: 17 Mar 2020 22:14

Tgt Ion: 98 Resp: 425501
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 2.541 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

Instrument :

MSVOA_N

ClientSampleId :

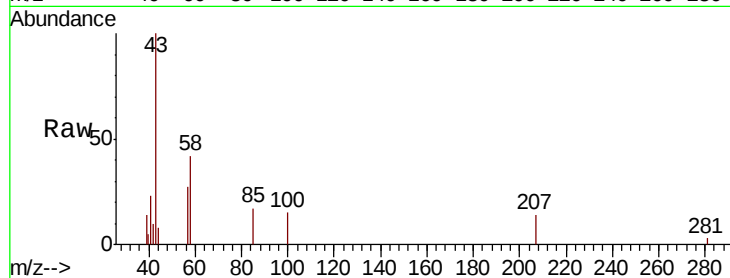
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 43 Resp: 8807

Ion Ratio Lower Upper

43 100

58 38.1 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-2529) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-2529) (-)

9.97

5000

4000

3000

2000

1000

0

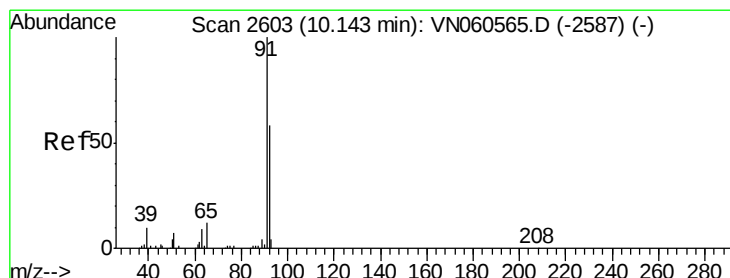
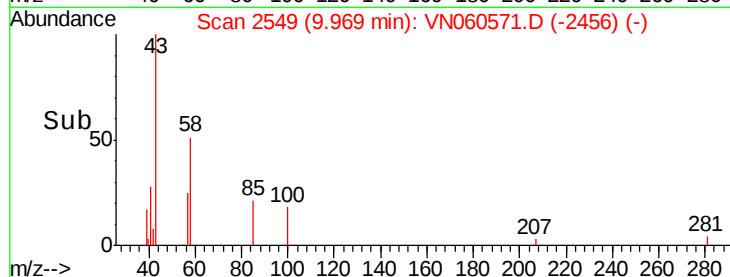
9.90

9.95

10.00

10.05

Time-->



#52

Toluene

Concen: 0.507 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060571.D

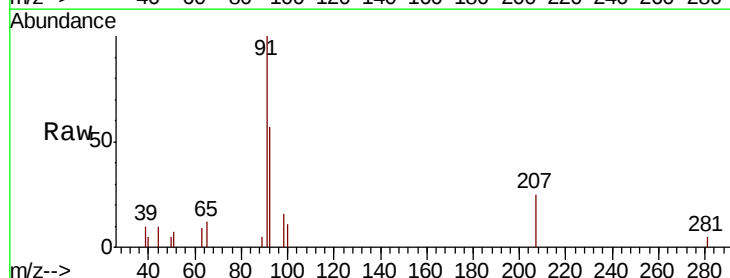
Acq: 17 Mar 2020 22:14

Tgt Ion: 92 Resp: 3159

Ion Ratio Lower Upper

92 100

91 186.8 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060565.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN060565.D (-2587) (-)

10.14

3000

2000

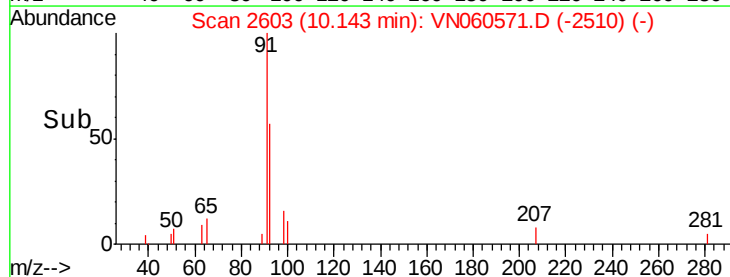
1000

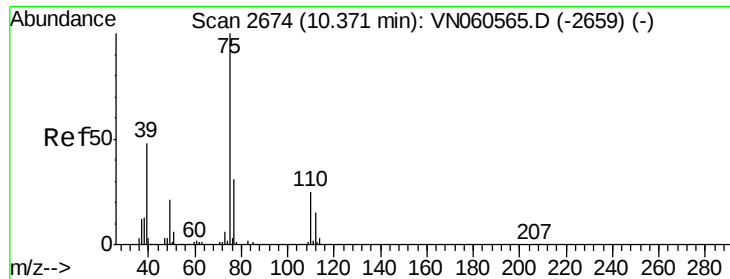
0

10.10

10.15

Time-->





#53

t-1,3-Dichloropropene

Concen: 0.510 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

Instrument :

MSVOA_N

ClientSampleId :

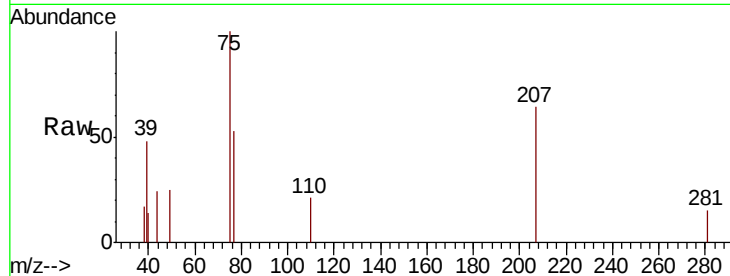
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 75 Resp: 2004

Ion Ratio Lower Upper

75 100

77 34.9 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

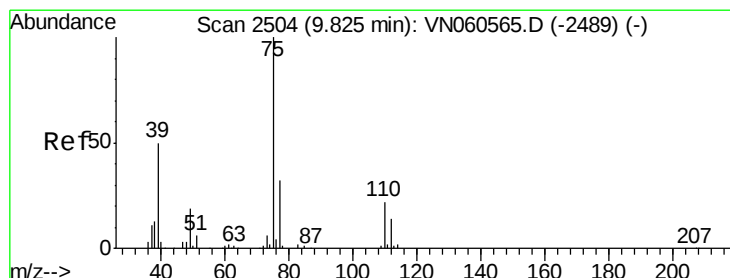
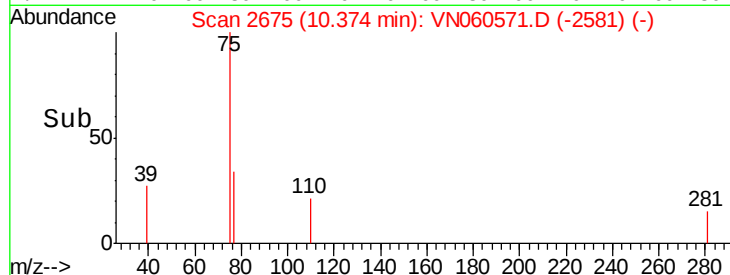
1000

500

0

Time-->

10.35 10.40



#54

cis-1,3-Dichloropropene

Concen: 0.506 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

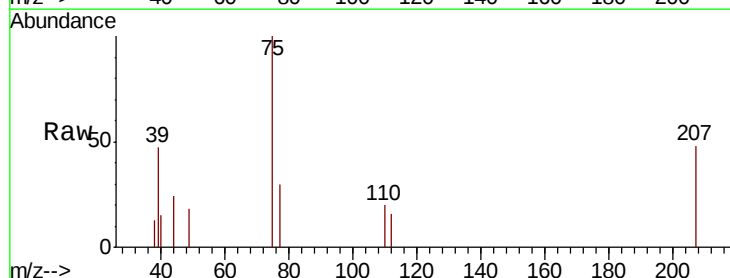
Tgt Ion: 75 Resp: 2181

Ion Ratio Lower Upper

75 100

77 29.9 25.4 38.0

39 46.7 40.2 60.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

1500

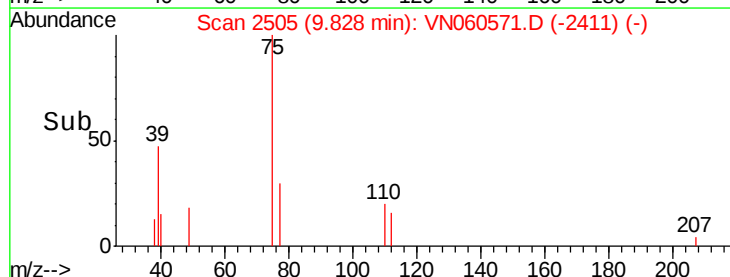
1000

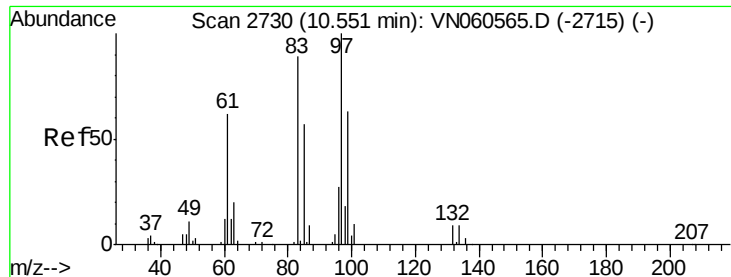
500

0

Time-->

9.80 9.85

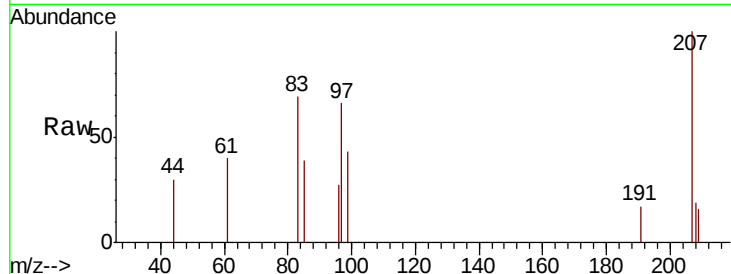




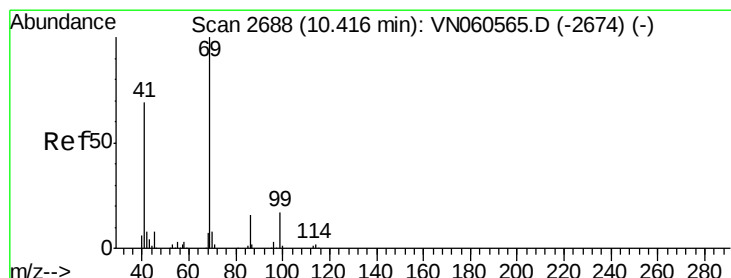
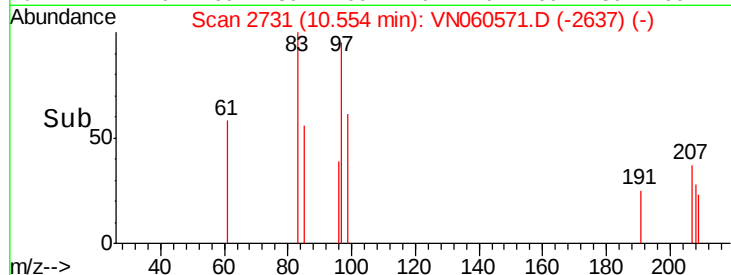
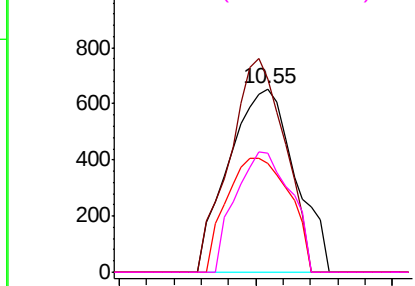
#55
 1,1,2-Trichloroethane
 Concen: 0.460 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN060571.D
 Acq: 17 Mar 2020 22:14

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

Tot Ion:	97	Resp:	1102
Ion	Ratio	Lower	Upper
97	100		
83	105.2	71.3	106.9
85	59.3	45.2	67.8
99	64.6	50.1	75.1

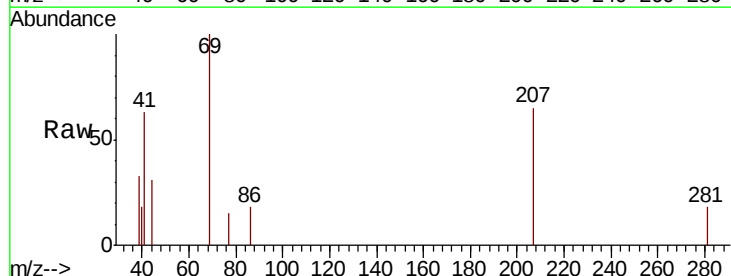


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

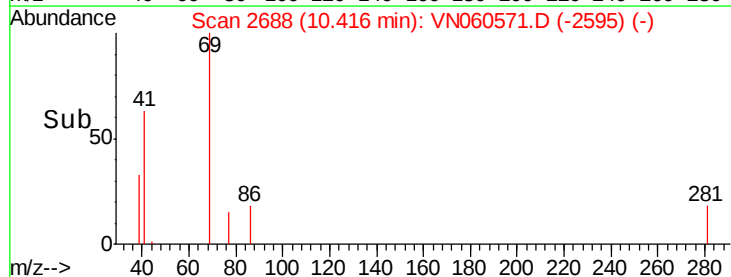
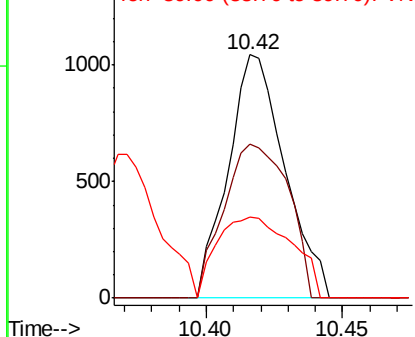


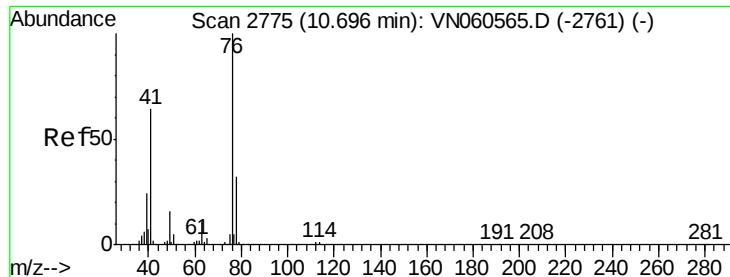
#56
 Ethyl methacrylate
 Concen: 0.403 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060571.D
 Acq: 17 Mar 2020 22:14

Tgt Ion:	69	Resp:	1508
Ion	Ratio	Lower	Upper
69	100		
41	72.0	55.4	83.2
39	44.2	29.4	44.0#



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





#57

1,3-Dichloropropane

Concen: 0.499 ug/l

RT: 10.69 min Scan# 2774

Delta R.T. -0.00 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

Instrument :

MSVOA_N

ClientSampleId :

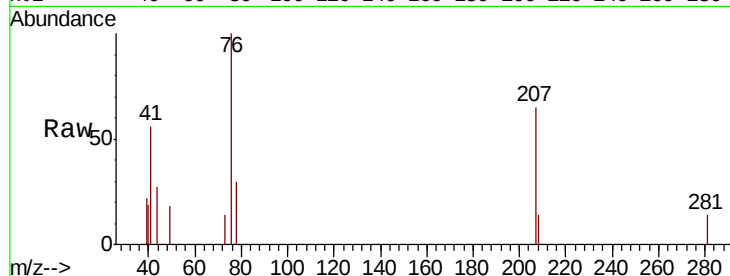
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 76 Resp: 2075

Ion Ratio Lower Upper

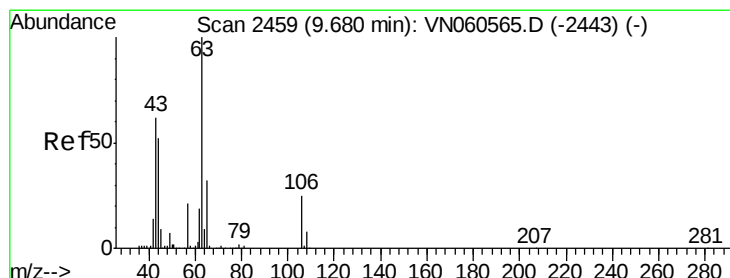
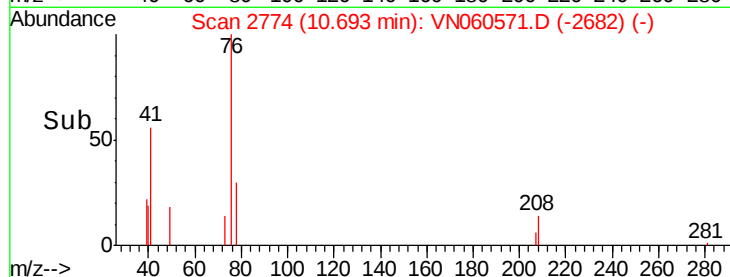
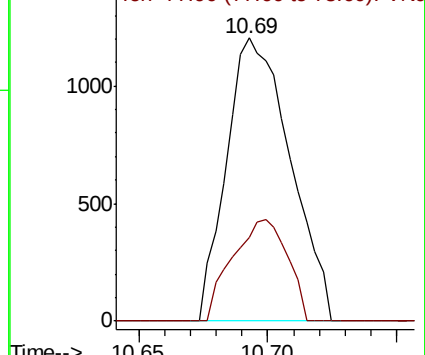
76 100

78 31.2 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN060571.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060571.D (-2682) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 1.986 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN060571.D

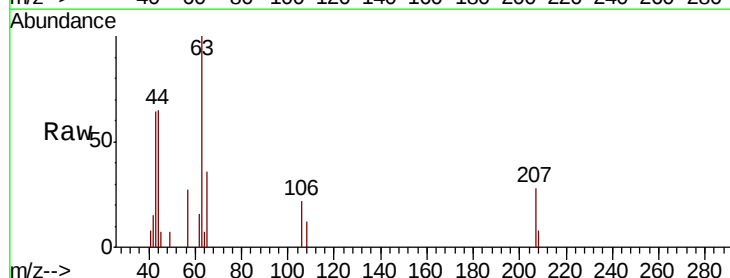
Acq: 17 Mar 2020 22:14

Tgt Ion: 63 Resp: 3690

Ion Ratio Lower Upper

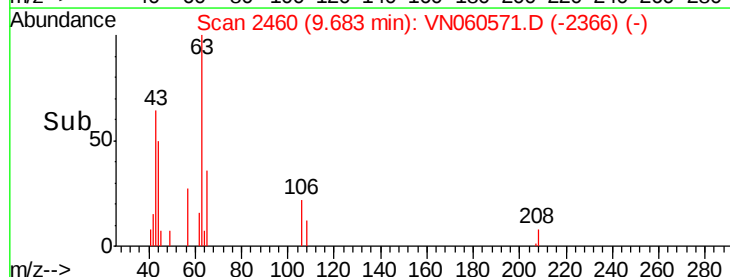
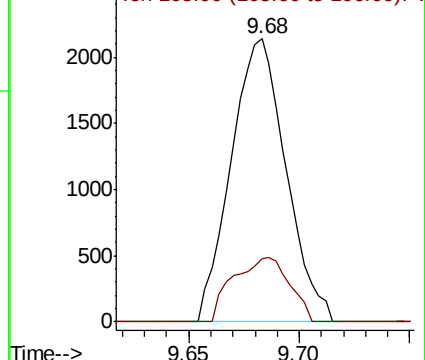
63 100

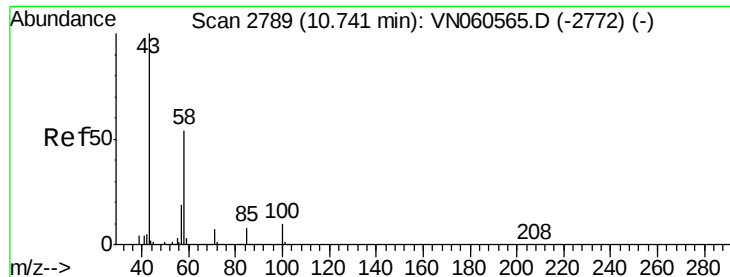
106 23.3 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN060571.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060571.D (-2366) (-)

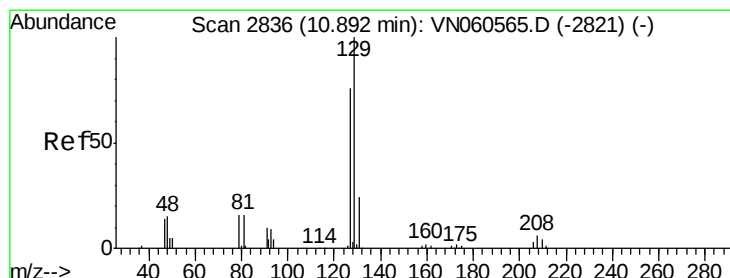
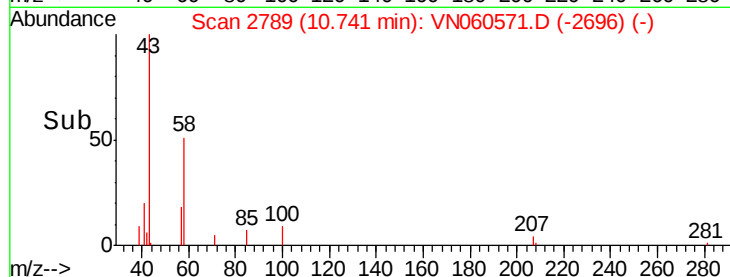
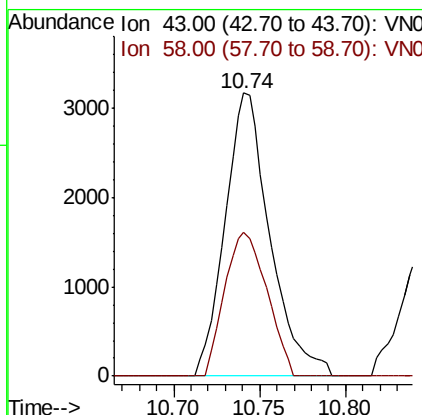
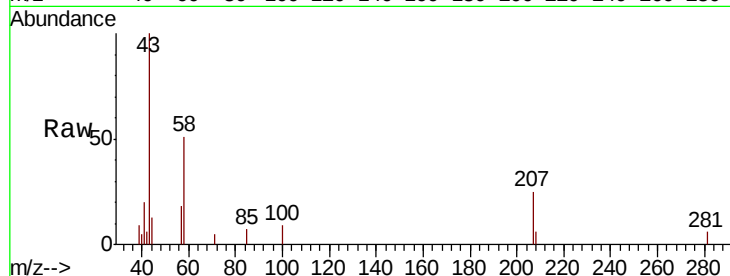




#59
2-Hexanone
Concen: 2.308 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060571.D
Acq: 17 Mar 2020 22:14

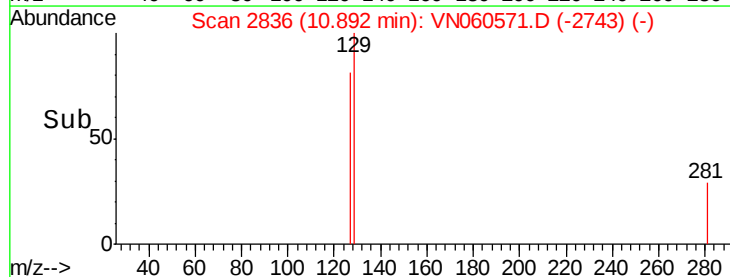
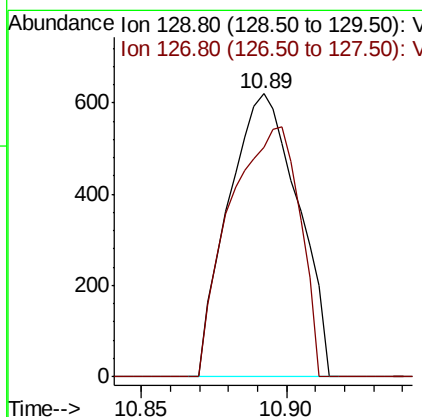
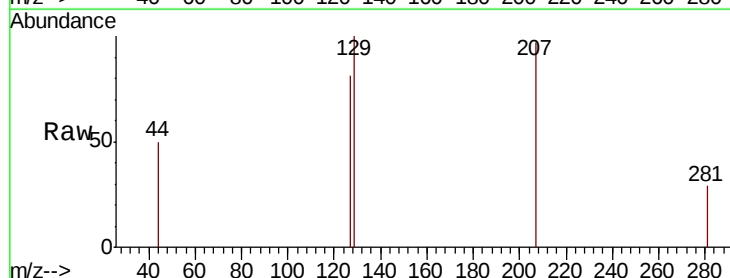
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

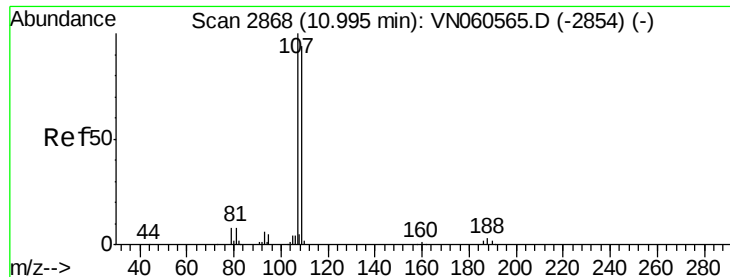
Tot Ion: 43 Resp: 5763
Ion Ratio Lower Upper
43 100
58 47.7 26.7 80.1



#60
Dibromochloromethane
Concen: 0.417 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060571.D
Acq: 17 Mar 2020 22:14

Tgt Ion: 129 Resp: 1032
Ion Ratio Lower Upper
129 100
127 88.8 38.5 115.5

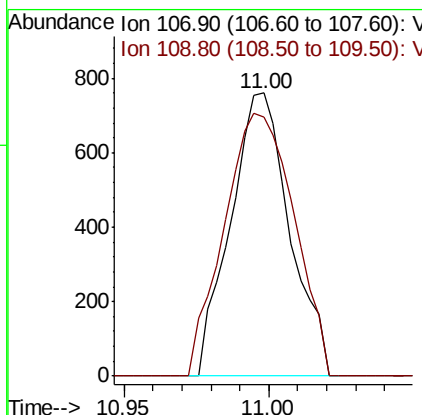
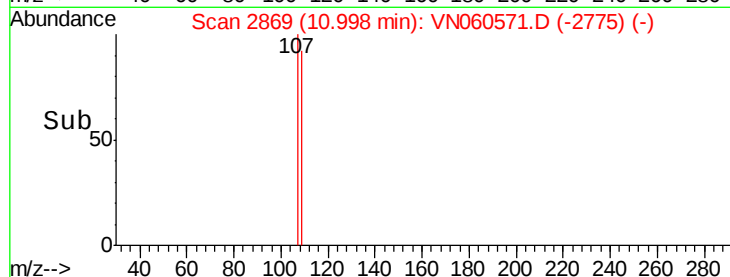
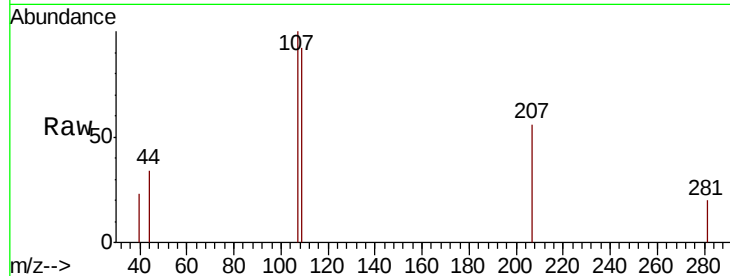




#61
 1,2-Dibromoethane
 Concen: 0.447 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN060571.D
 Acq: 17 Mar 2020 22:14

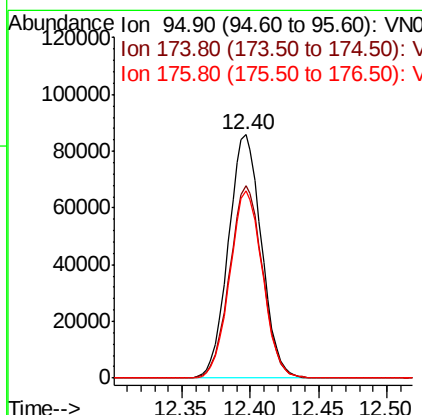
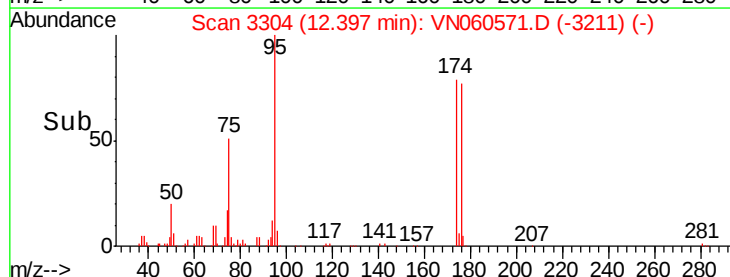
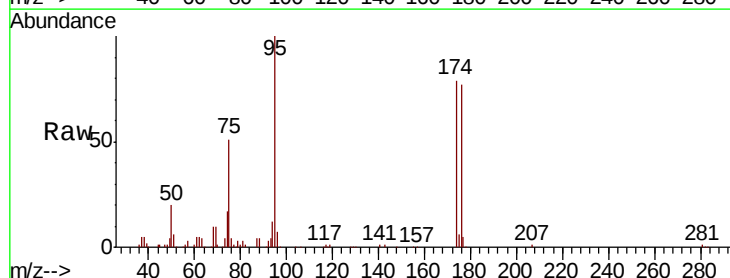
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

Tot Ion: 107 Resp: 1078
 Ion Ratio Lower Upper
 107 100
 109 109.8 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 45.260 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060571.D
 Acq: 17 Mar 2020 22:14

Tgt Ion: 95 Resp: 144633
 Ion Ratio Lower Upper
 95 100
 174 78.7 0.0 157.6
 176 76.2 0.0 150.6

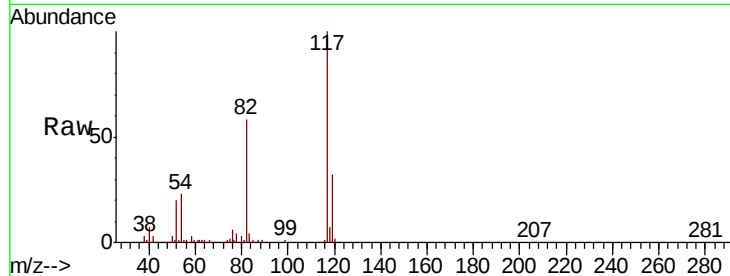




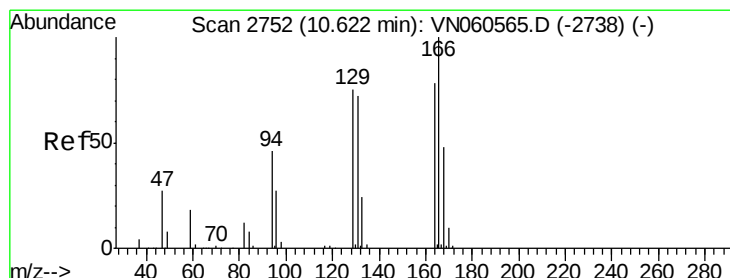
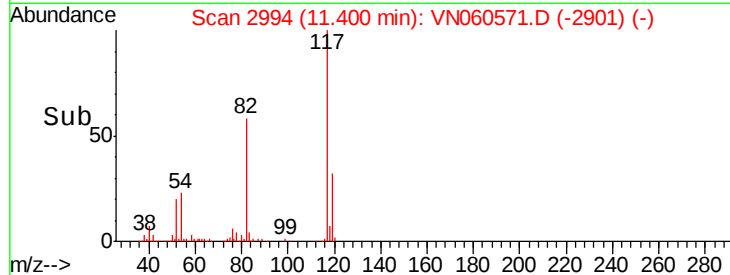
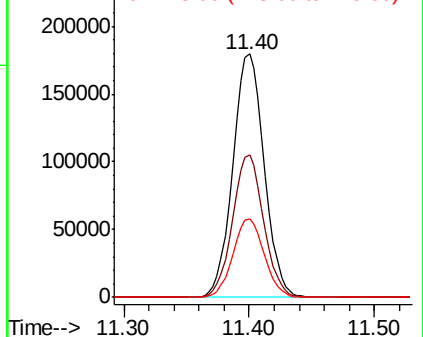
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060571.D
Acq: 17 Mar 2020 22:14

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Tot Ion:117 Resp: 311291
Ion Ratio Lower Upper
117 100
82 58.5 46.7 70.1
119 32.1 25.5 38.3

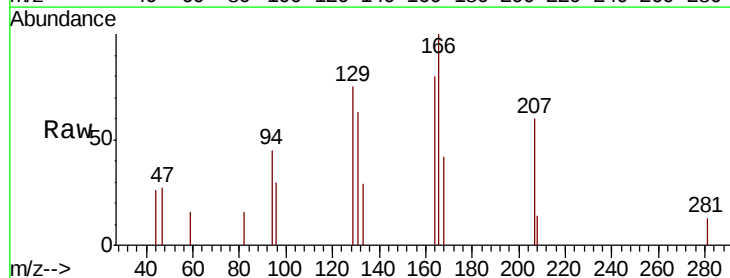


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

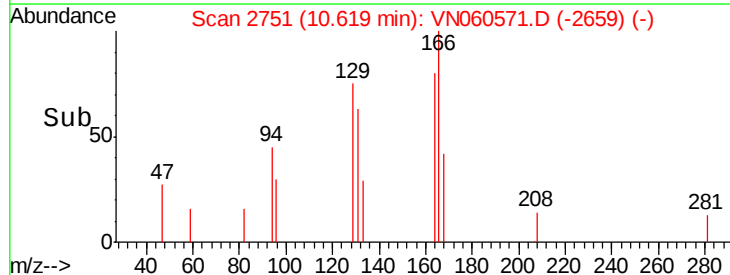
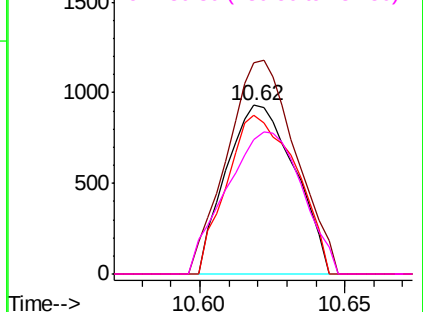


#64
Tetrachloroethene
Concen: 0.625 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060571.D
Acq: 17 Mar 2020 22:14

Tgt Ion:164 Resp: 1530
Ion Ratio Lower Upper
164 100
166 125.5 102.7 154.1
129 94.4 77.2 115.8
131 79.7 73.8 110.6



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

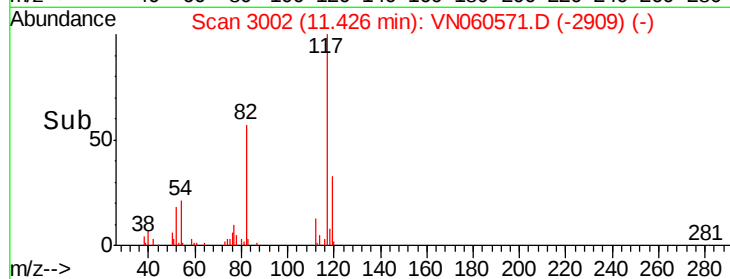
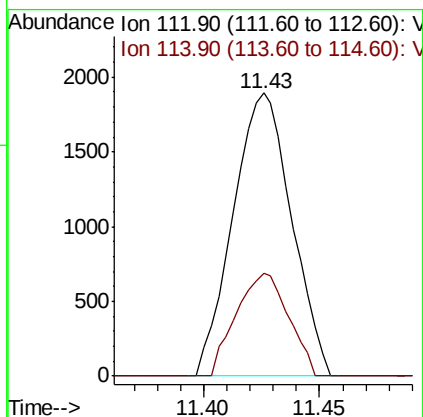
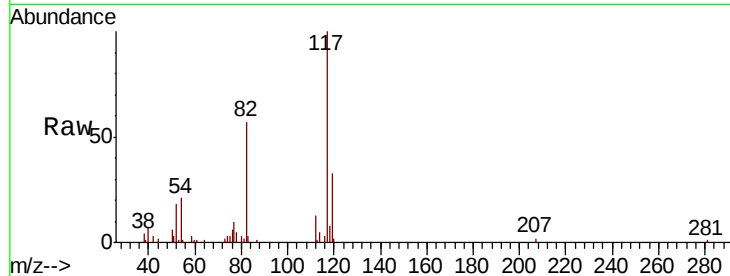




#65
Chlorobenzene
Concen: 0.538 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060571.D
Acq: 17 Mar 2020 22:14

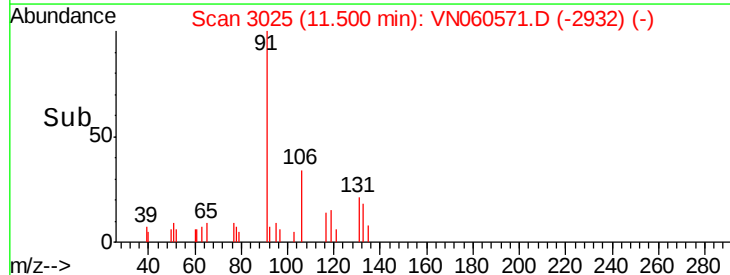
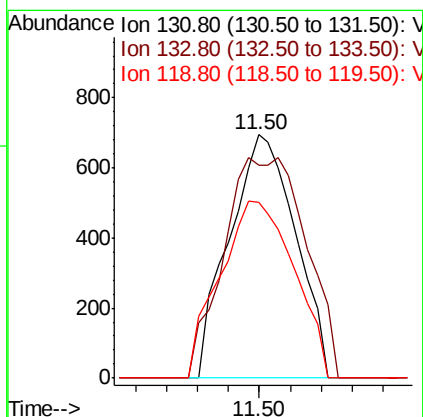
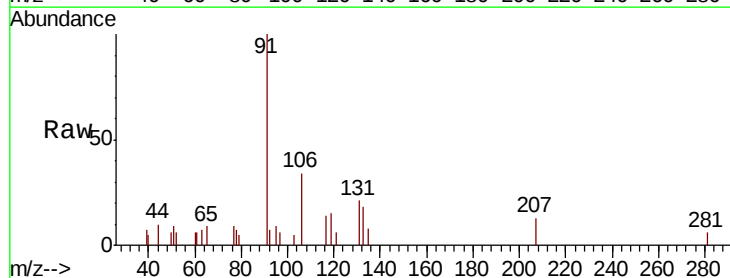
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

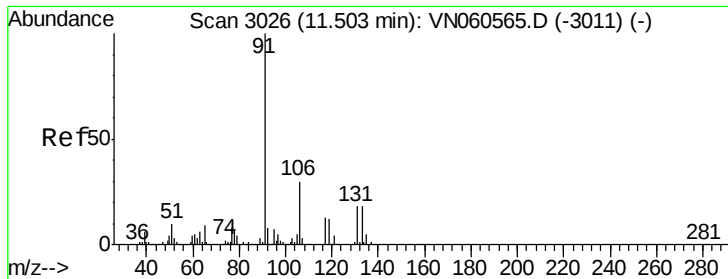
Tot Ion:112 Resp: 3320
Ion Ratio Lower Upper
112 100
114 36.3 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 0.462 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060571.D
Acq: 17 Mar 2020 22:14

Tgt Ion:131 Resp: 1033
Ion Ratio Lower Upper
131 100
133 112.3 48.9 146.8
119 0.0 33.9 101.7#





#67

Ethyl Benzene

Concen: 0.546 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

Instrument :

MSVOA_N

ClientSampleId :

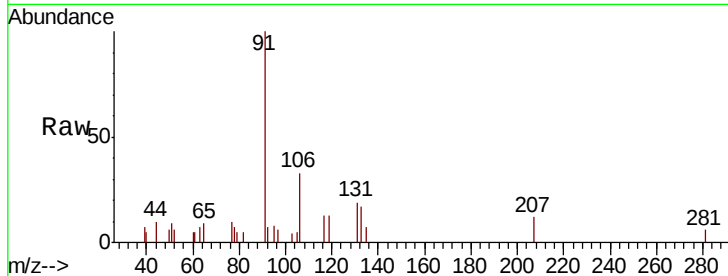
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 91 Resp: 6269

Ion Ratio Lower Upper

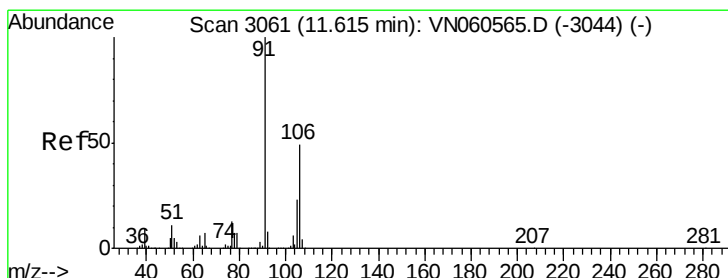
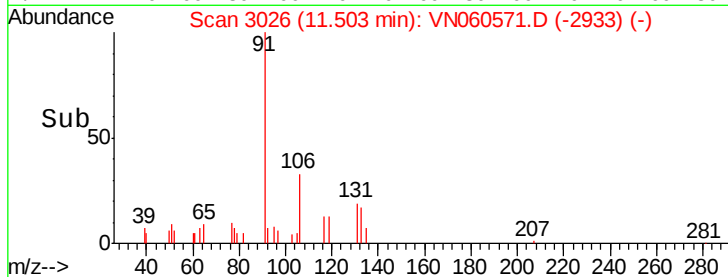
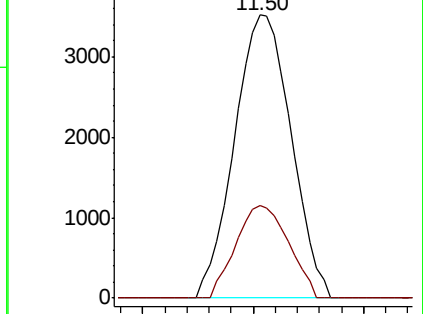
91 100

106 32.9 24.2 36.2



Abundance Ion 91.00 (90.70 to 91.70): VN060565.D (-3011) (-)

Ion 106.00 (105.70 to 106.70): VN060565.D (-3011) (-)



#68

m/p-Xylenes

Concen: 1.069 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN060571.D

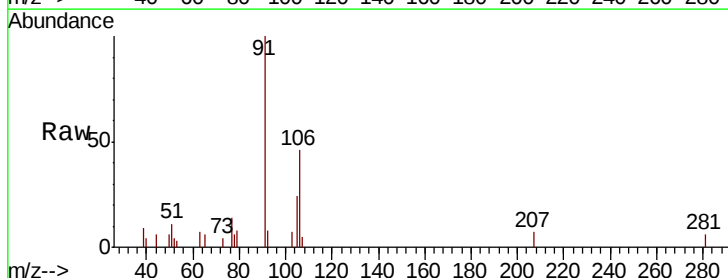
Acq: 17 Mar 2020 22:14

Tgt Ion: 106 Resp: 4560

Ion Ratio Lower Upper

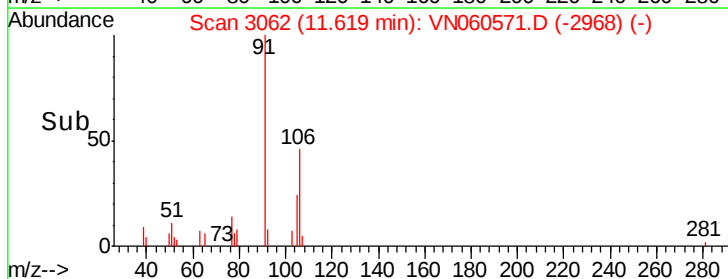
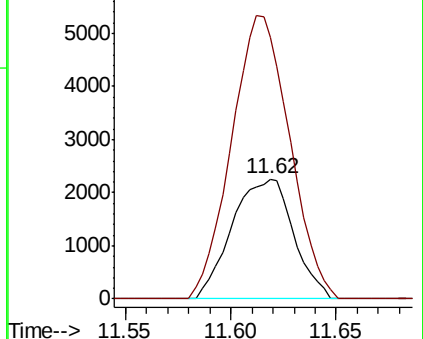
106 100

91 223.6 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): VN060565.D (-3044) (-)

Ion 91.00 (90.70 to 91.70): VN060565.D (-3044) (-)

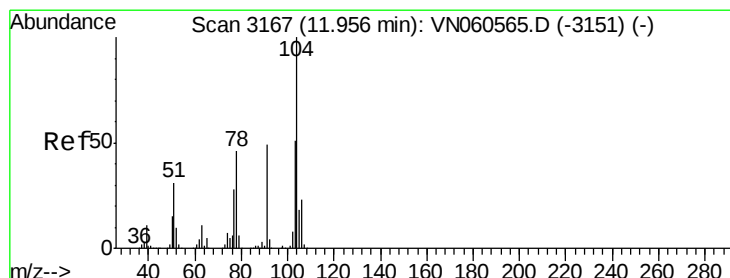
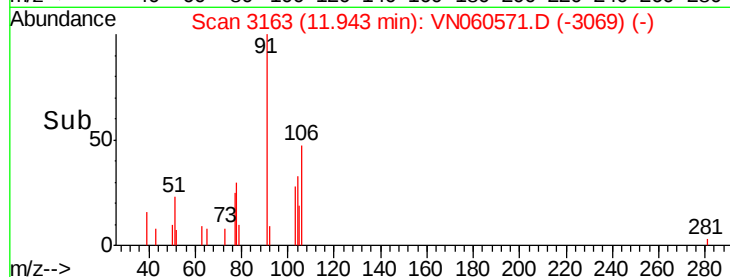
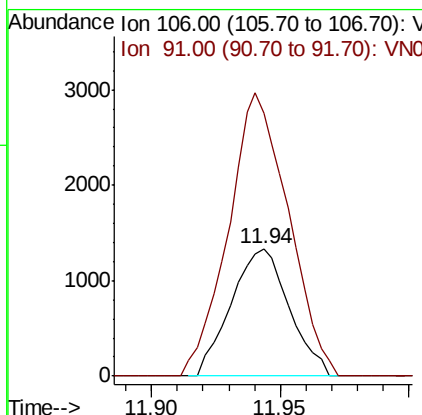
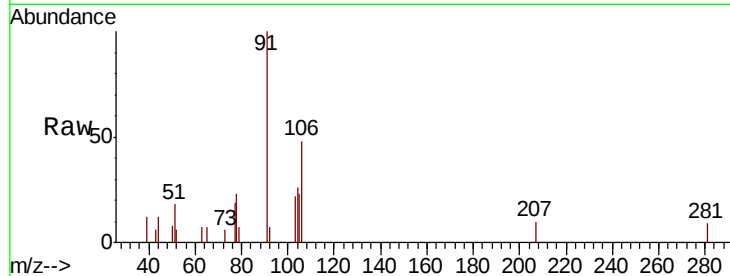




#69
o-Xylene
Concen: 0.516 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060571.D
Acq: 17 Mar 2020 22:14

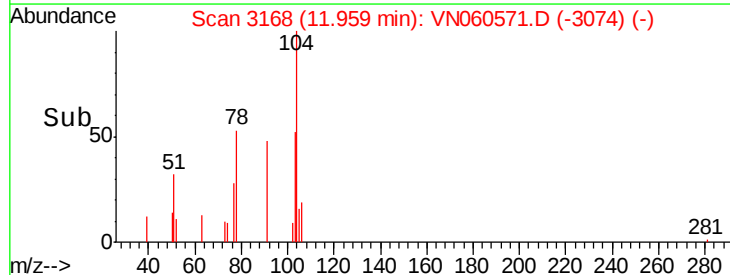
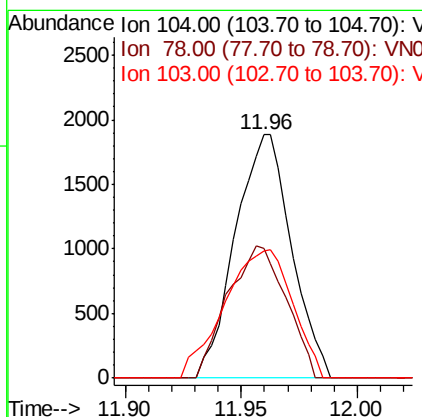
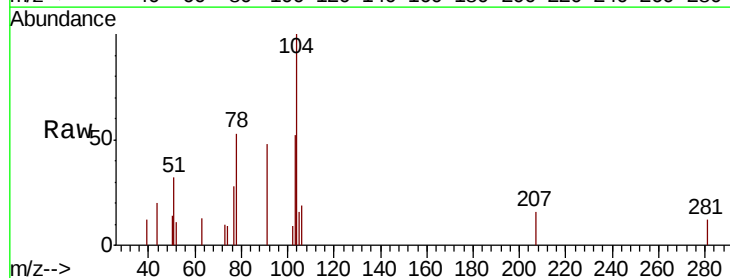
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

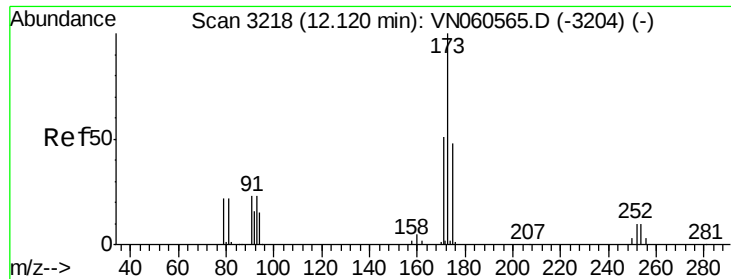
Tot Ion:106 Resp: 2101
Ion Ratio Lower Upper
106 100
91 228.9 109.5 328.4



#70
Styrene
Concen: 0.474 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060571.D
Acq: 17 Mar 2020 22:14

Tgt Ion:104 Resp: 3158
Ion Ratio Lower Upper
104 100
78 56.4 41.2 61.8
103 63.8 44.0 66.0

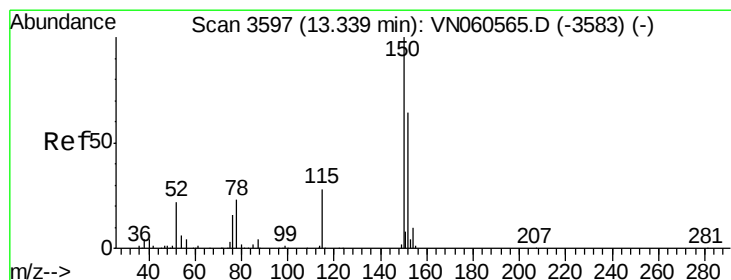
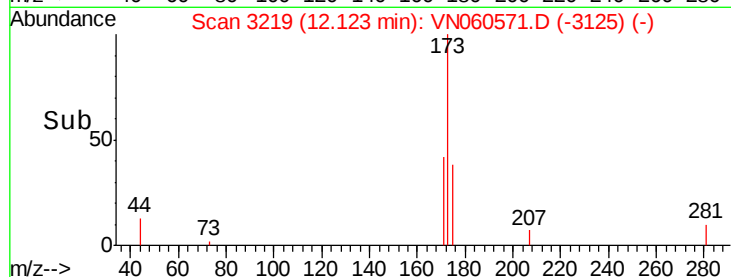
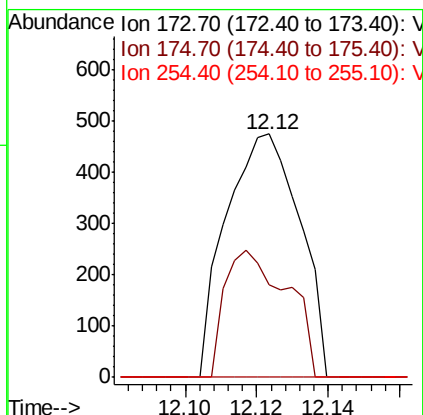
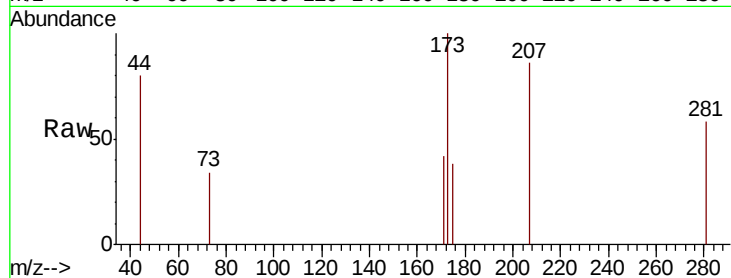




#71
Bromoform
Concen: 0.405 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN060571.D
Acq: 17 Mar 2020 22:14

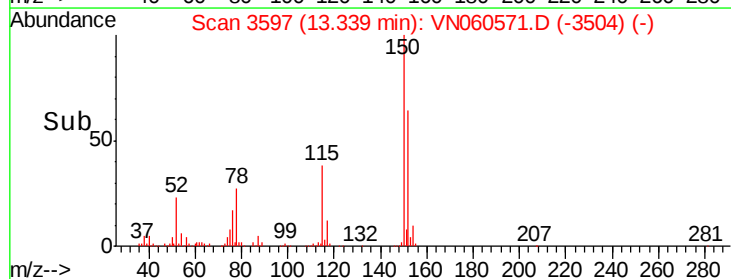
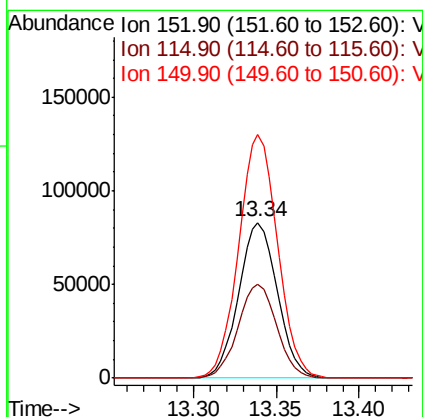
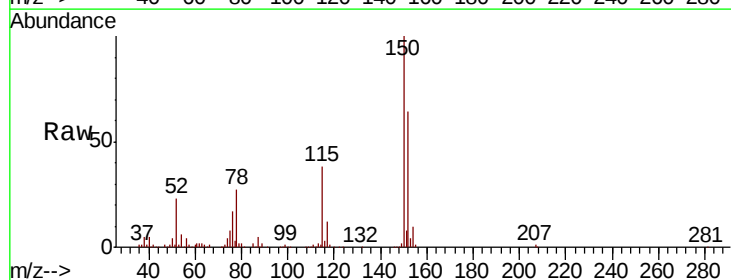
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

Tot Ion:173 Resp: 676
Ion Ratio Lower Upper
173 100
175 44.4 24.1 72.4
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060571.D
Acq: 17 Mar 2020 22:14

Tgt Ion:152 Resp: 134894
Ion Ratio Lower Upper
152 100
115 60.2 30.2 90.6
150 157.2 0.0 350.2





#73

Isopropylbenzene

Concen: 0.555 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

Instrument :

MSVOA_N

ClientSampleId :

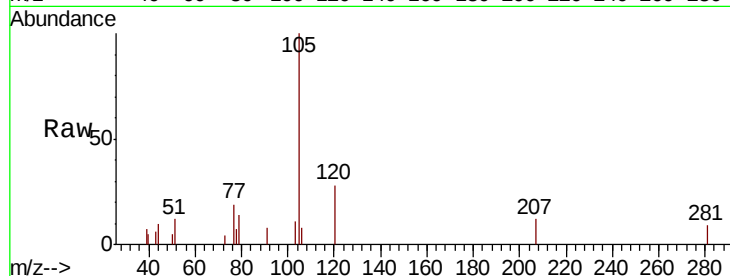
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 105 Resp: 5619

Ion Ratio Lower Upper

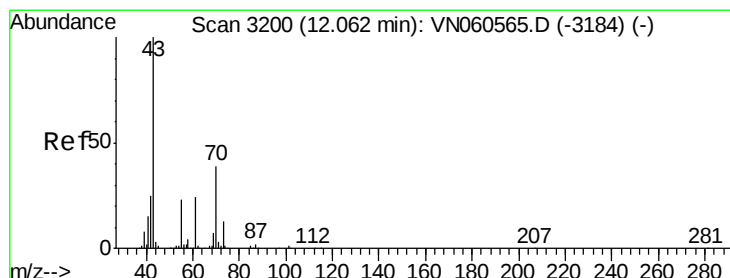
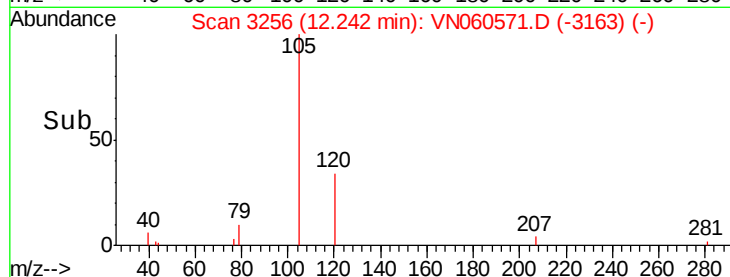
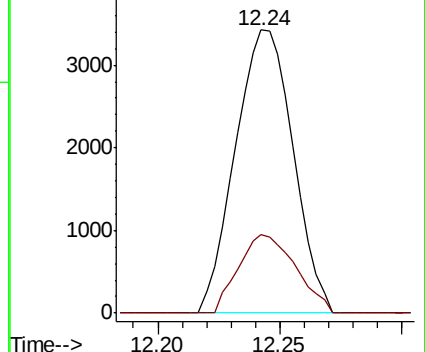
105 100

120 27.4 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.520 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

Tgt Ion: 43 Resp: 2433

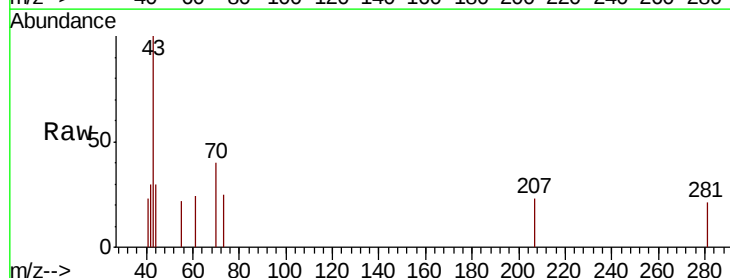
Ion Ratio Lower Upper

43 100

70 29.7 31.1 46.7#

55 17.3 18.6 27.8#

61 15.2 18.9 28.3#

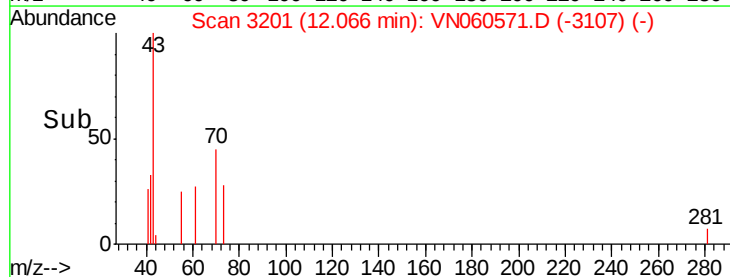
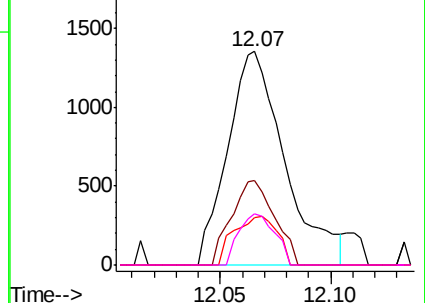


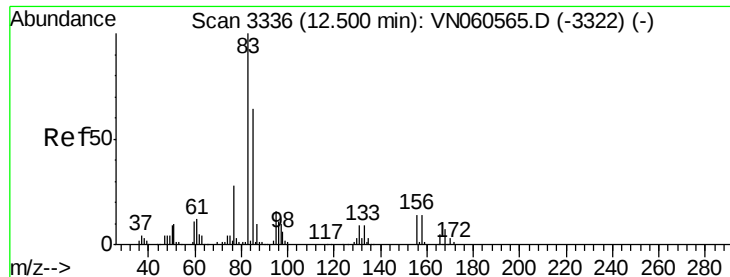
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

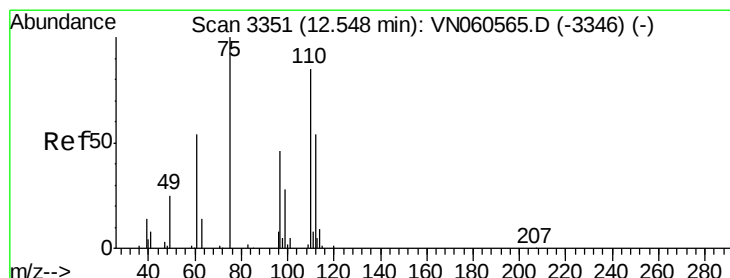
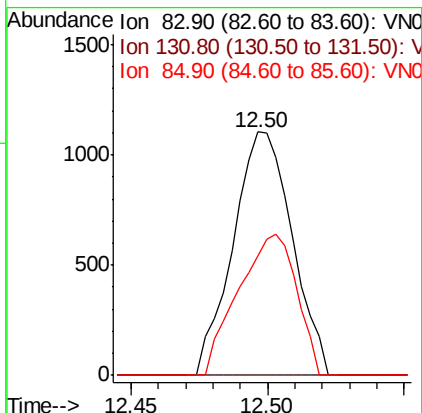
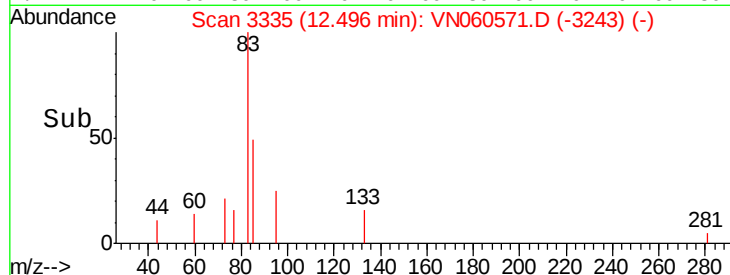
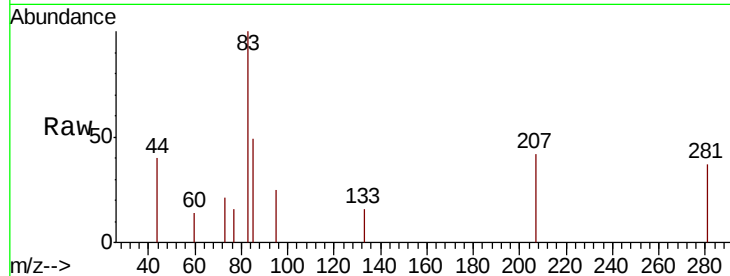




#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.541 ug/l
 RT: 12.50 min Scan# 3335
 Delta R.T. -0.00 min
 Lab File: VN060571.D
 Acq: 17 Mar 2020 22:14

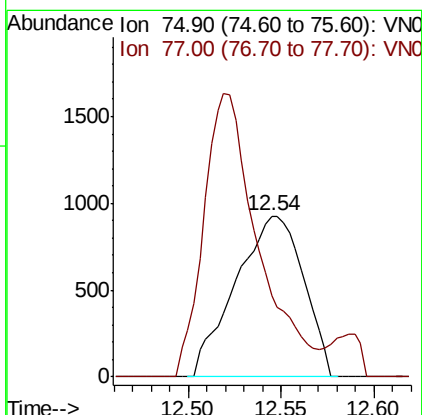
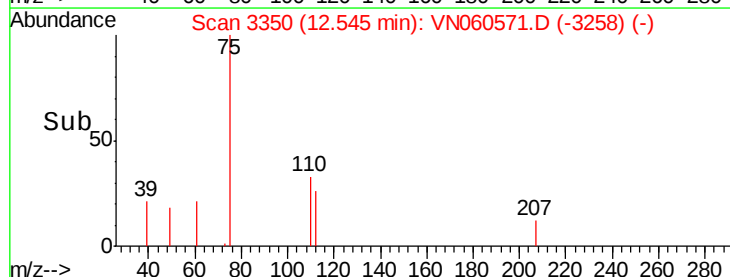
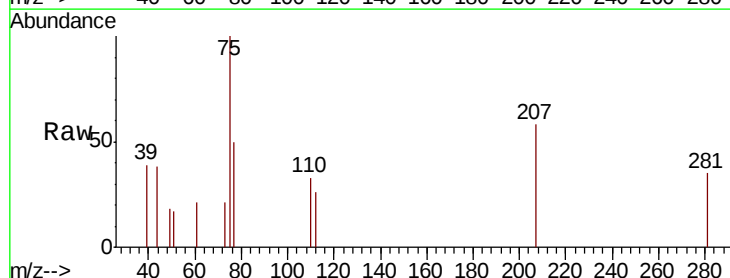
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

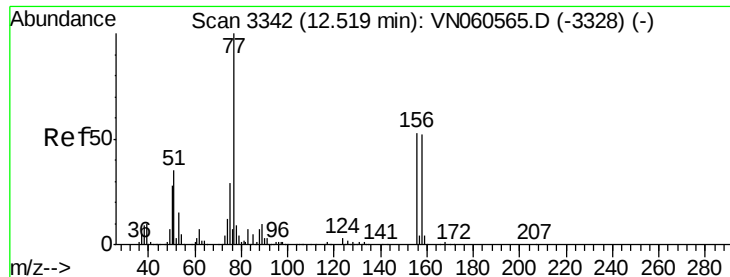
Tot Ion: 83 Resp: 1657
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.9 14.7#
 85 57.3 32.5 97.4



#76
 1,2,3-Trichloropropane
 Concen: 0.812 ug/l
 RT: 12.54 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VN060571.D
 Acq: 17 Mar 2020 22:14

Tgt Ion: 75 Resp: 2364
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 0.547 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

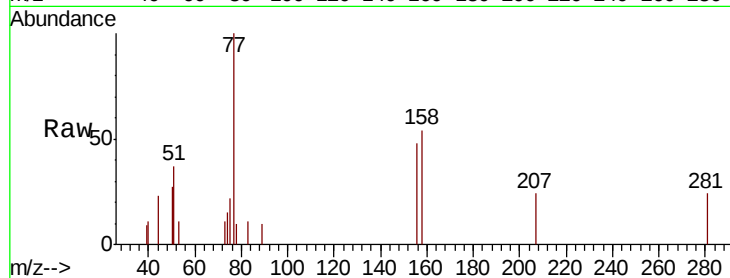
Tot Ion:156 Resp: 1334

Ion Ratio Lower Upper

156 100

77 249.6 112.3 337.0

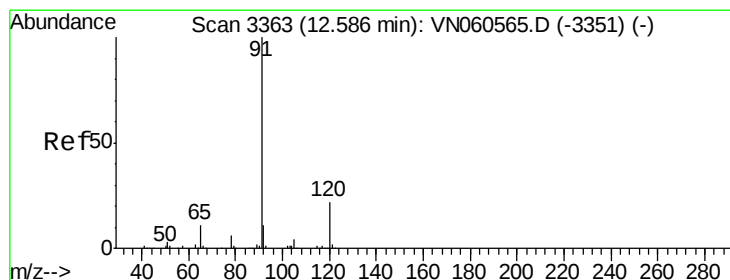
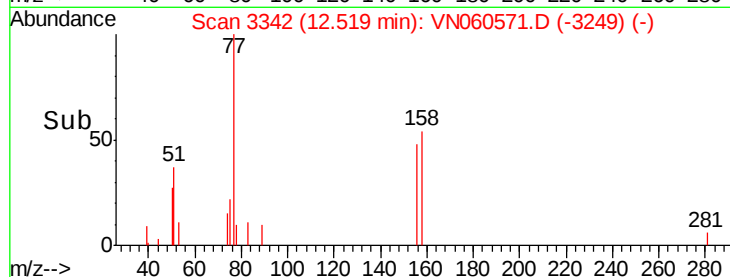
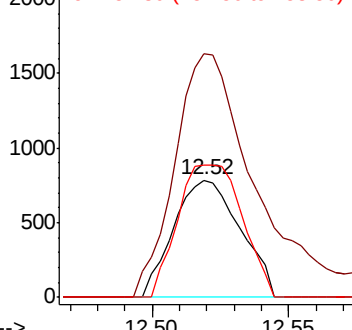
158 109.8 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.601 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060571.D

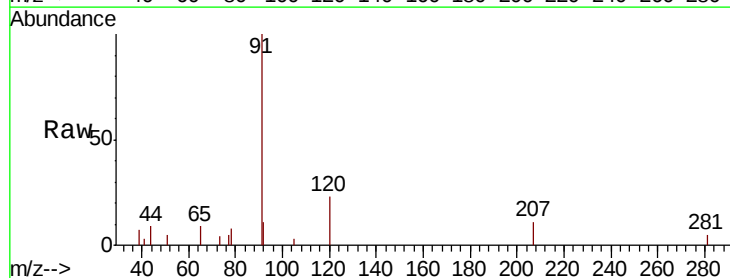
Acq: 17 Mar 2020 22:14

Tgt Ion: 91 Resp: 7184

Ion Ratio Lower Upper

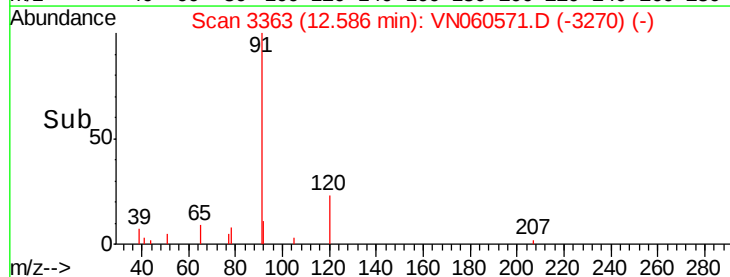
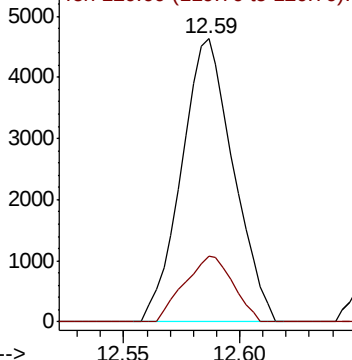
91 100

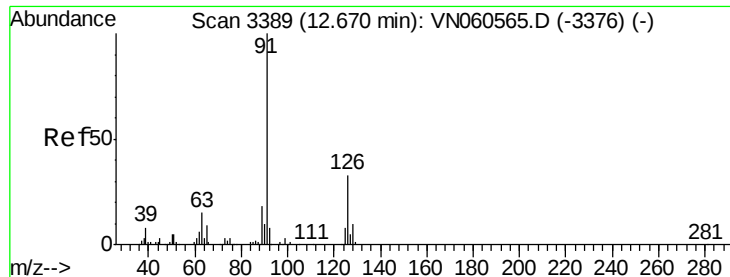
120 21.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.589 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

Instrument :

MSVOA_N

ClientSampleId :

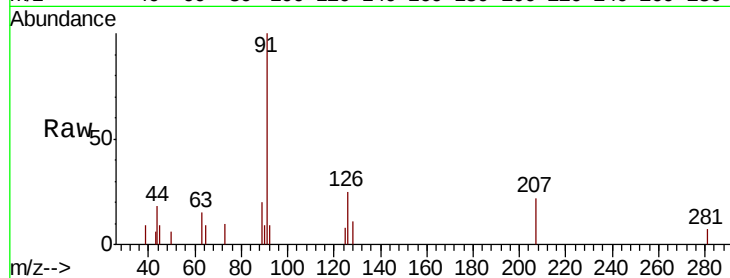
LOD-MDL-WATER-01-QT1-2020

Tot Ion: 91 Resp: 4210

Ion Ratio Lower Upper

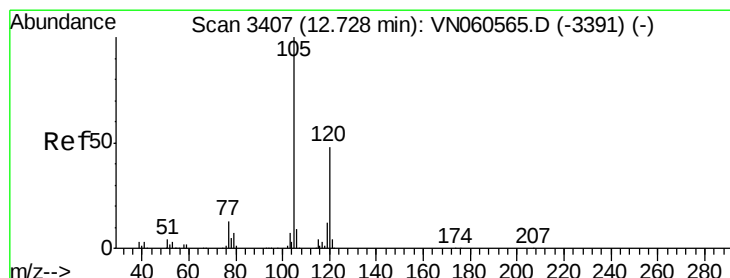
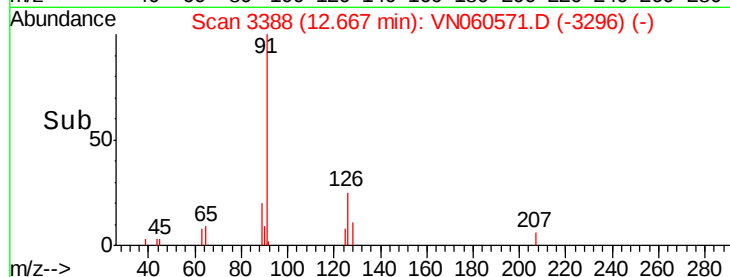
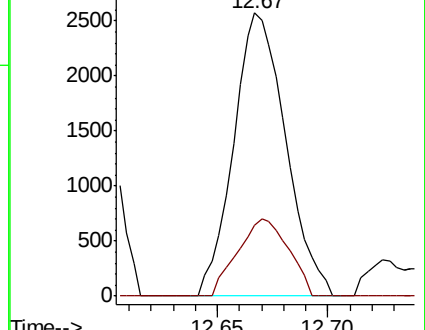
91 100

126 26.6 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN060565.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060565.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.568 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060571.D

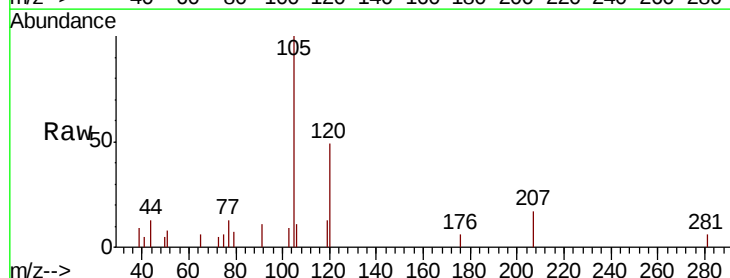
Acq: 17 Mar 2020 22:14

Tgt Ion: 105 Resp: 4876

Ion Ratio Lower Upper

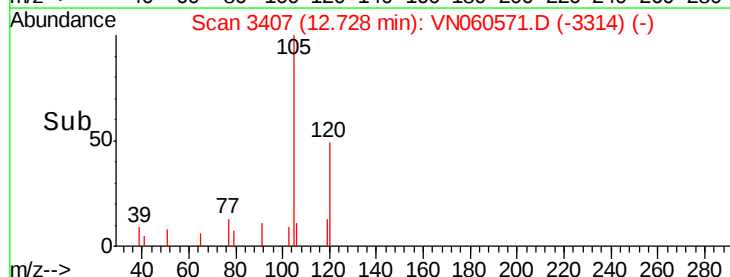
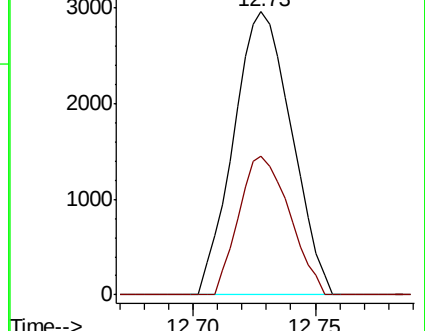
105 100

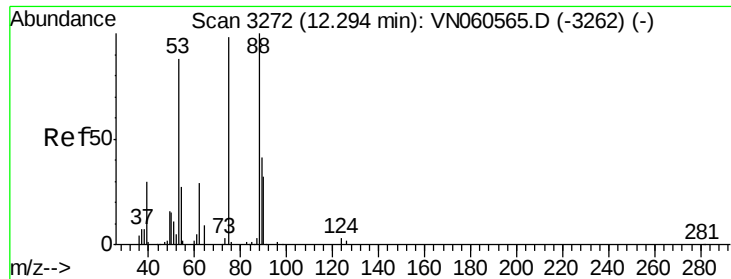
120 42.9 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060565.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN060565.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 64.782 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

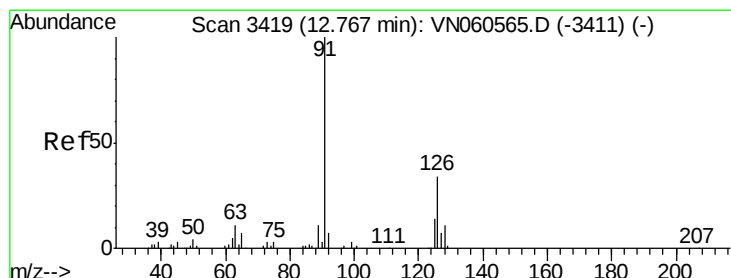
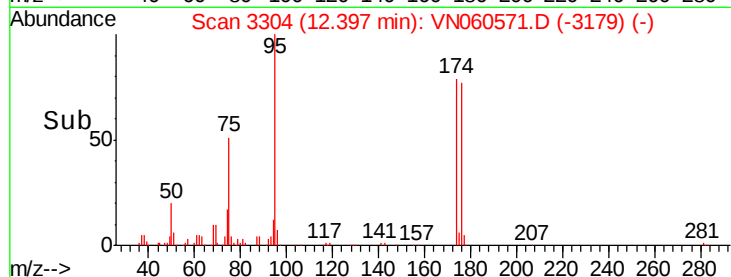
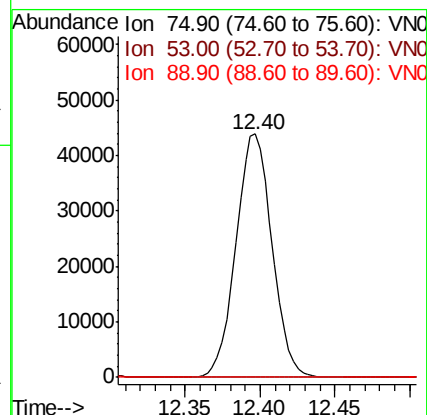
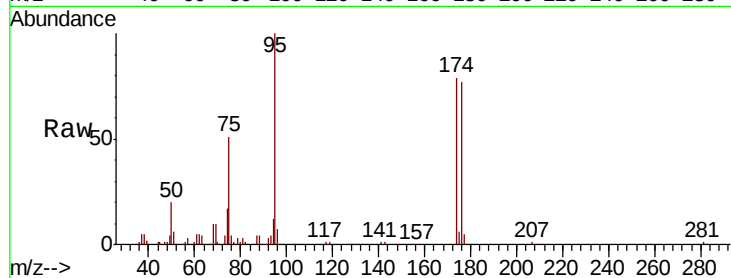
Tot Ion: 75 Resp: 73420

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#



#82

4-Chlorotoluene

Concen: 0.654 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN060571.D

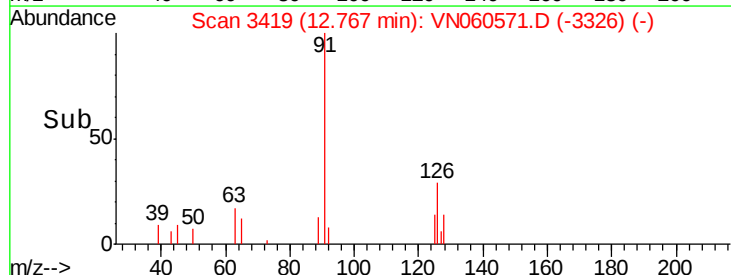
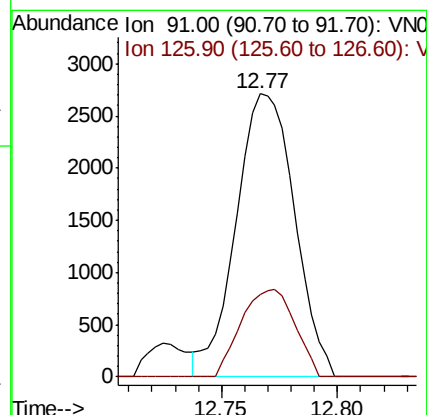
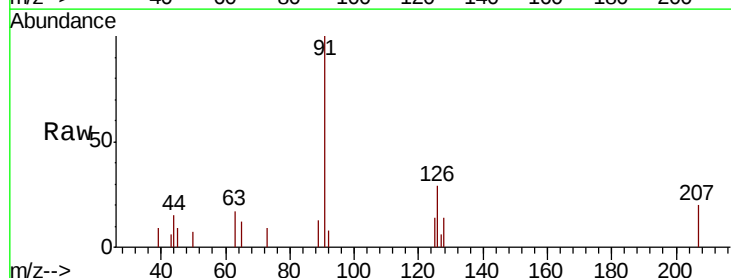
Acq: 17 Mar 2020 22:14

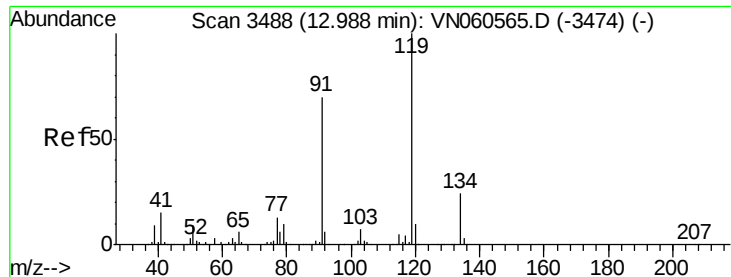
Tgt Ion: 91 Resp: 4757

Ion Ratio Lower Upper

91 100

126 28.4 16.2 48.5





#83

tert-Butylbenzene

Concen: 0.593 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

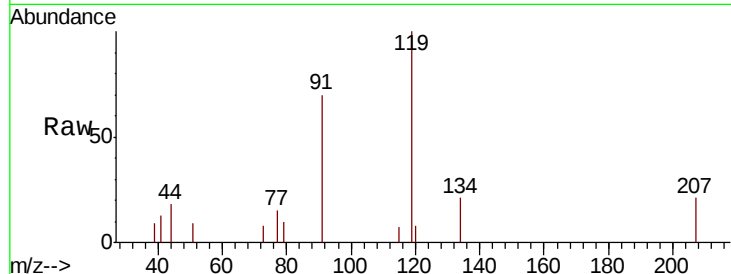
Tot Ion:119 Resp: 4224

Ion Ratio Lower Upper

119 100

91 65.4 34.0 101.8

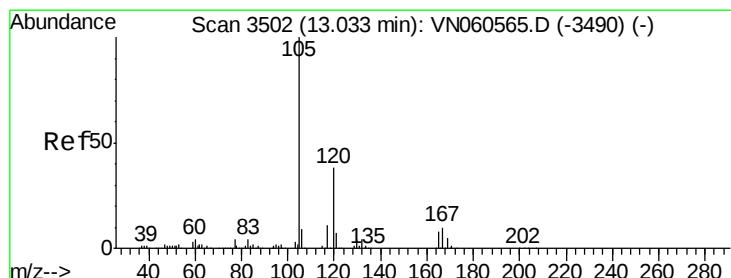
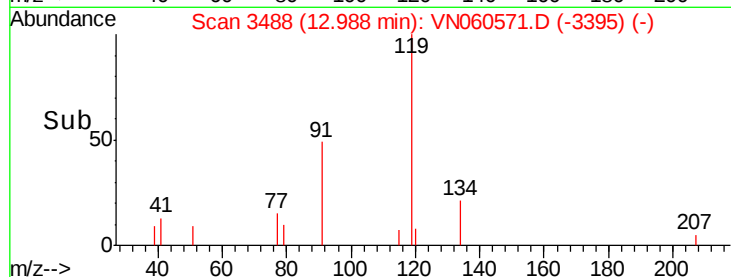
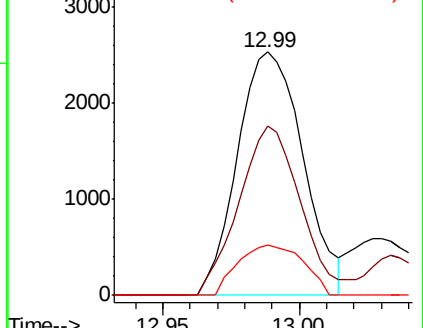
134 20.7 12.7 38.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 0.544 ug/l

RT: 13.03 min Scan# 3502

Delta R.T. -0.00 min

Lab File: VN060571.D

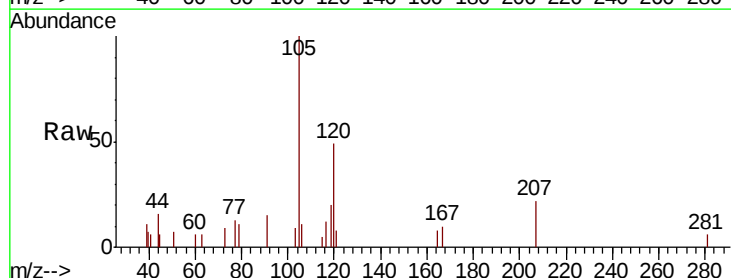
Acq: 17 Mar 2020 22:14

Tgt Ion:105 Resp: 4624

Ion Ratio Lower Upper

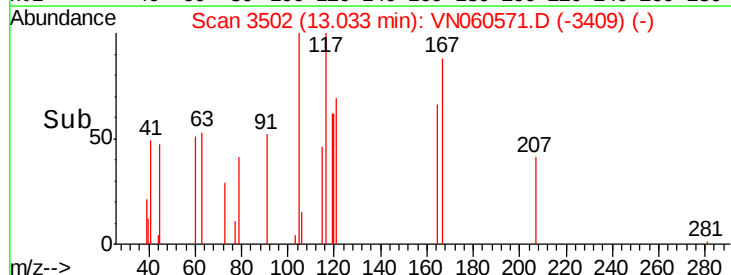
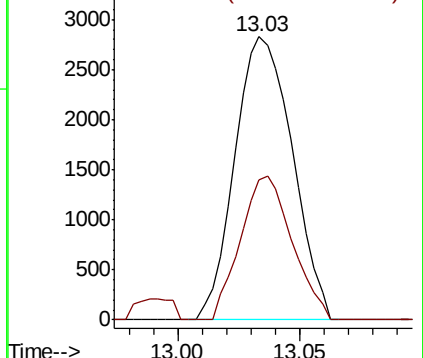
105 100

120 45.6 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.556 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

Instrument :

MSVOA_N

ClientSampleId :

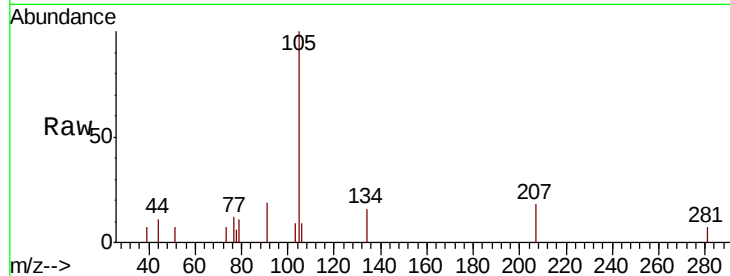
LOD-MDL-WATER-01-QT1-2020

Tot Ion:105 Resp: 5326

Ion Ratio Lower Upper

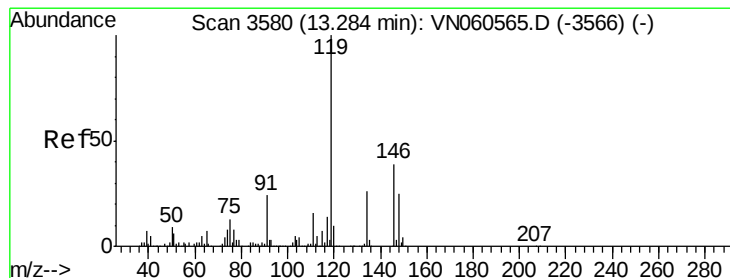
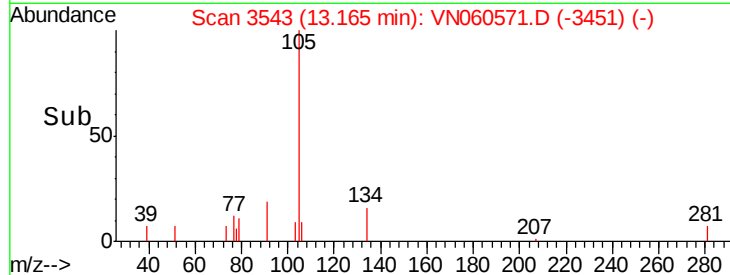
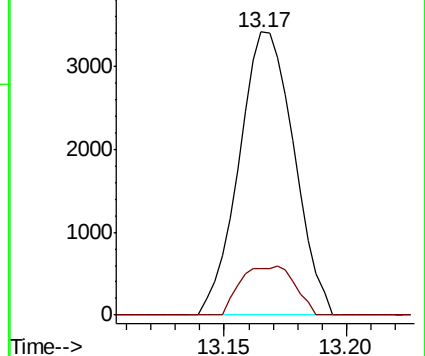
105 100

134 17.1 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.563 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

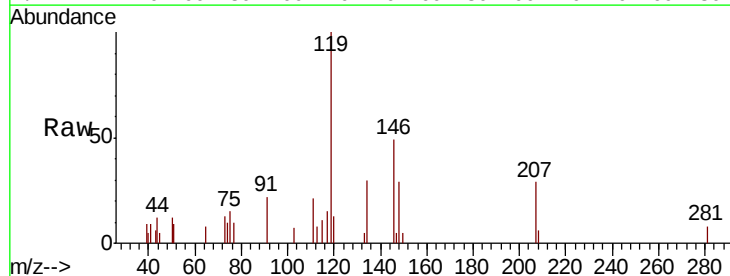
Tgt Ion:119 Resp: 4849

Ion Ratio Lower Upper

119 100

134 27.2 13.0 39.0

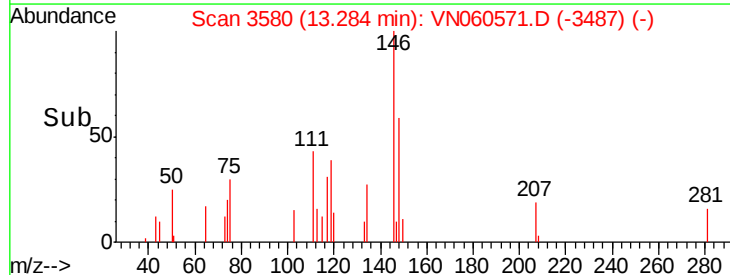
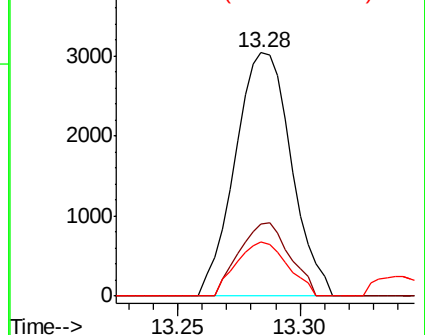
91 20.4 12.0 36.0



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

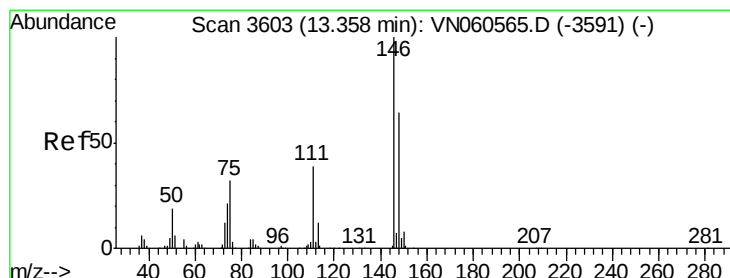
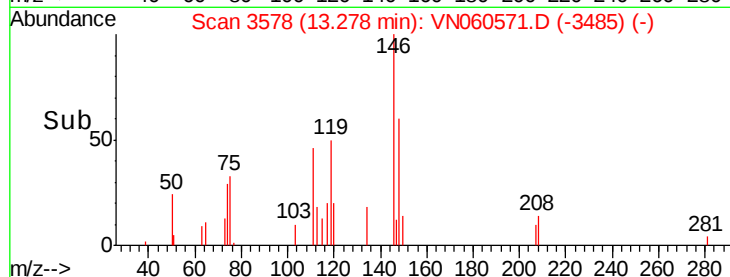
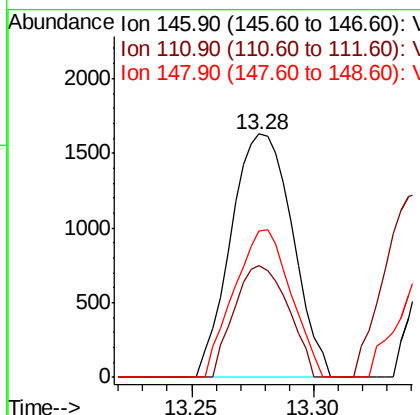
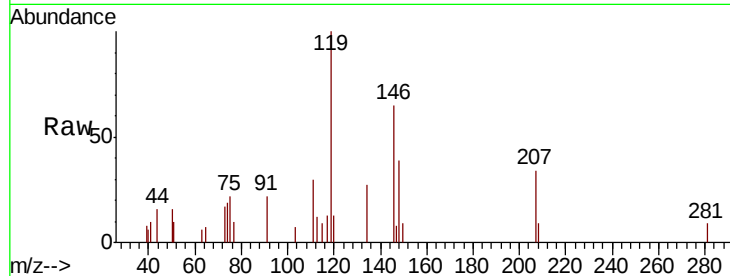




#87
 1,3-Dichlorobenzene
 Concen: 0.663 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060571.D
 Acq: 17 Mar 2020 22:14

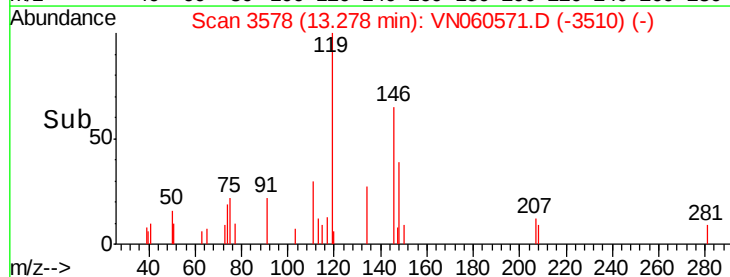
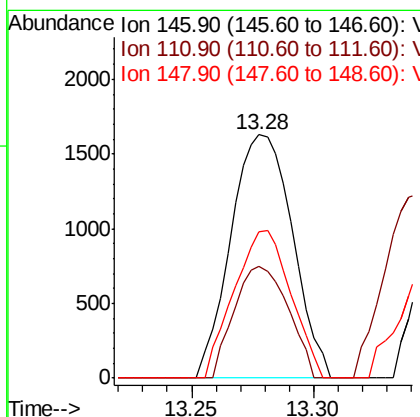
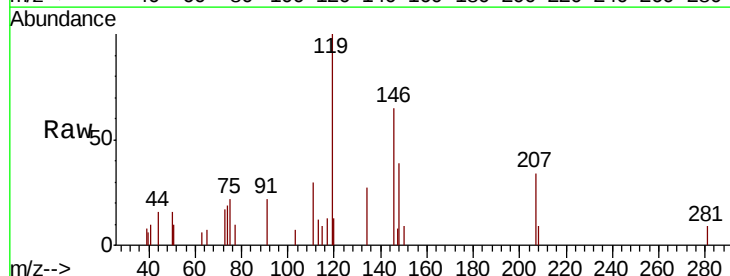
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

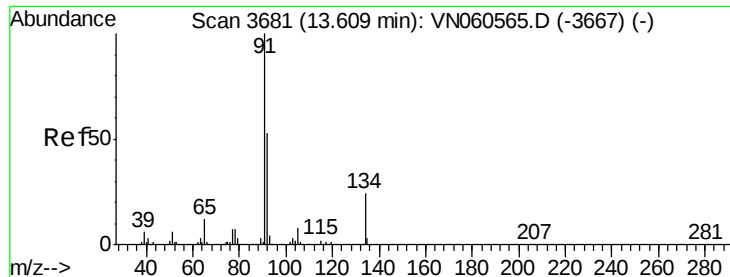
Tot Ion:146 Resp: 2851
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.3 60.8
 148 55.8 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 0.660 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.08 min
 Lab File: VN060571.D
 Acq: 17 Mar 2020 22:14

Tgt Ion:146 Resp: 2851
 Ion Ratio Lower Upper
 146 100
 111 40.4 19.6 58.7
 148 55.8 32.1 96.3

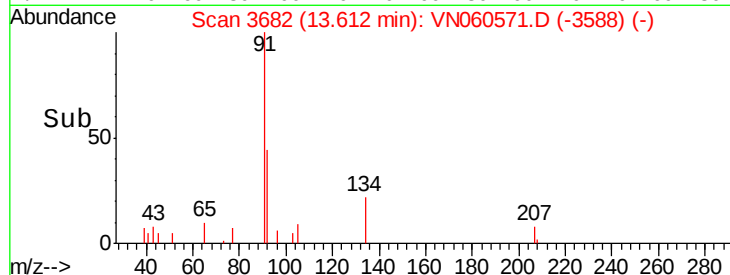
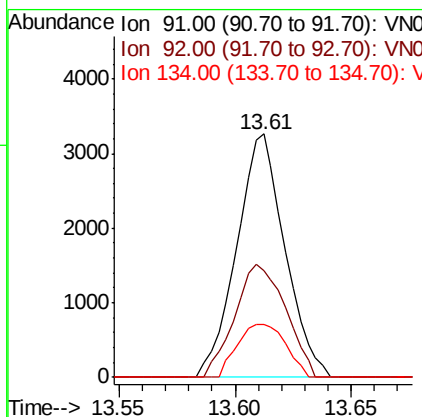
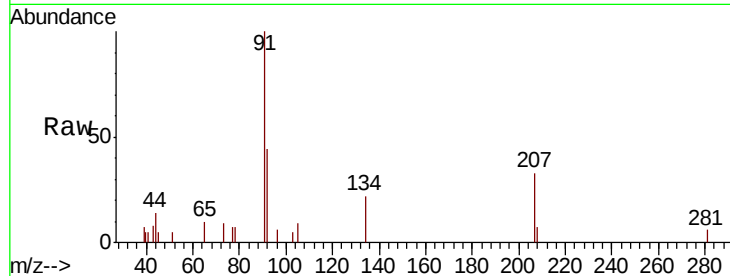




#89
n-Butylbenzene
Concen: 0.604 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060571.D
Acq: 17 Mar 2020 22:14

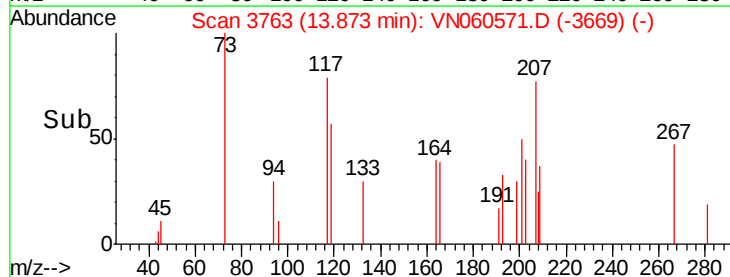
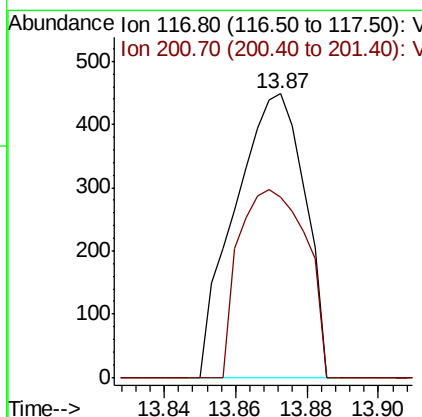
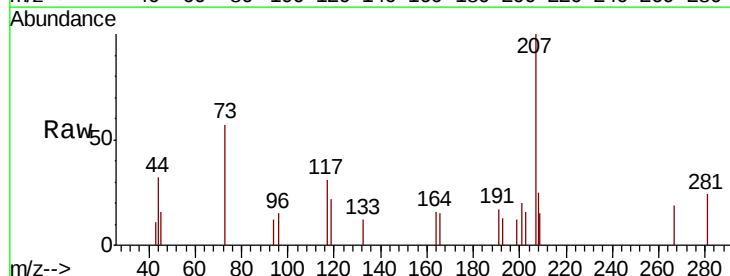
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020

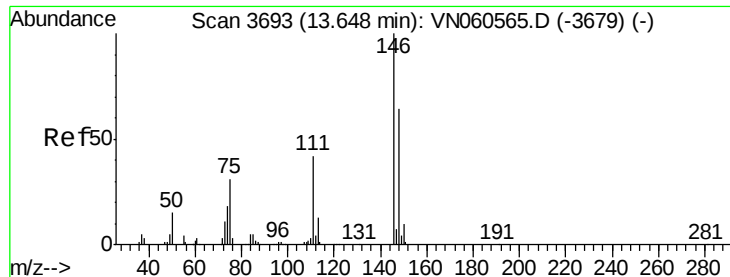
Tot Ion: 91 Resp: 4695
Ion Ratio Lower Upper
91 100
92 49.0 26.2 78.5
134 21.7 12.3 36.9



#90
Hexachloroethane
Concen: 0.483 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060571.D
Acq: 17 Mar 2020 22:14

Tgt Ion: 117 Resp: 605
Ion Ratio Lower Upper
117 100
201 63.8 40.8 122.5

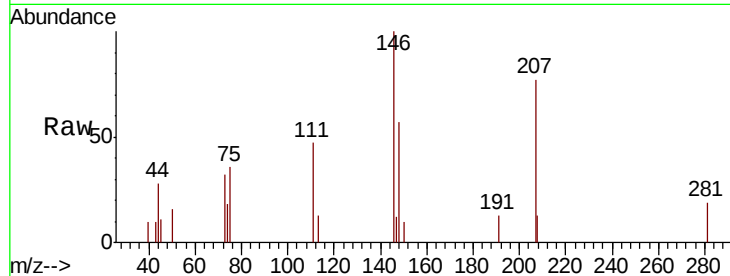




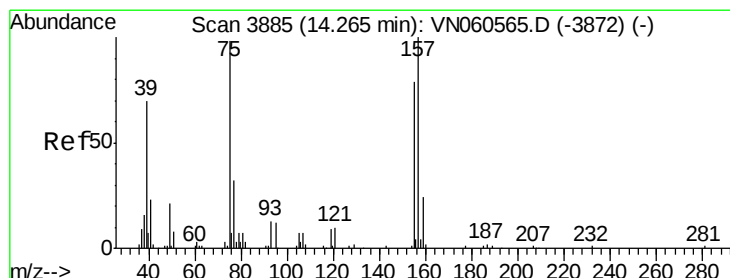
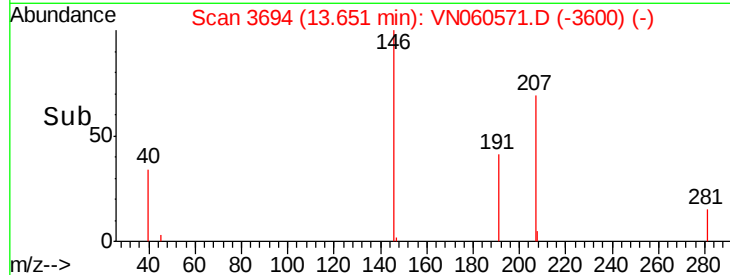
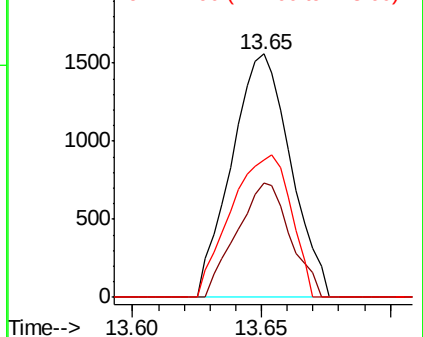
#91
 1,2-Dichlorobenzene
 Concen: 0.603 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060571.D
 Acq: 17 Mar 2020 22:14

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

Tot Ion:146 Resp: 2482
 Ion Ratio Lower Upper
 146 100
 111 42.7 21.0 63.0
 148 59.7 31.9 95.5

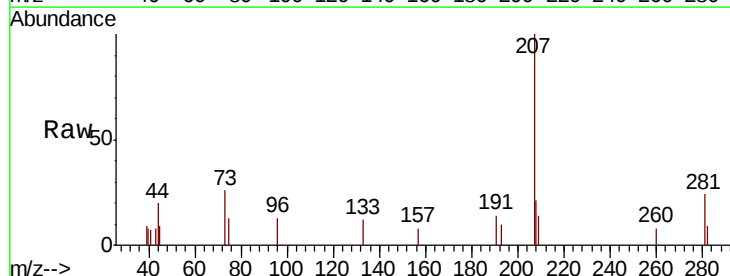


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

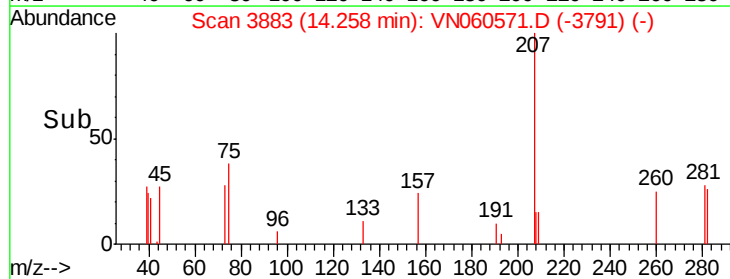
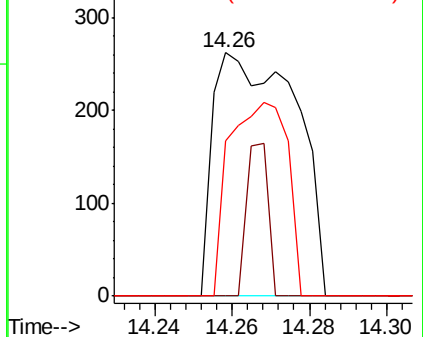


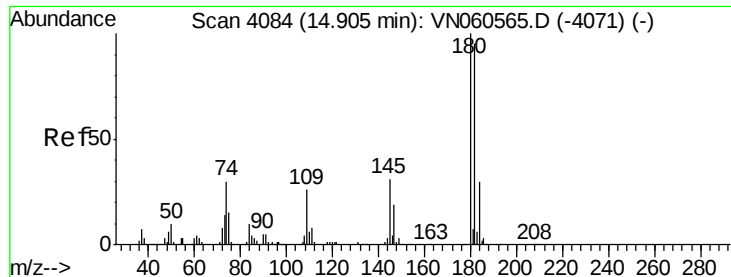
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.566 ug/l
 RT: 14.26 min Scan# 3883
 Delta R.T. -0.01 min
 Lab File: VN060571.D
 Acq: 17 Mar 2020 22:14

Tgt Ion: 75 Resp: 389
 Ion Ratio Lower Upper
 75 100
 155 16.2 40.7 122.1#
 157 55.8 51.5 154.7



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

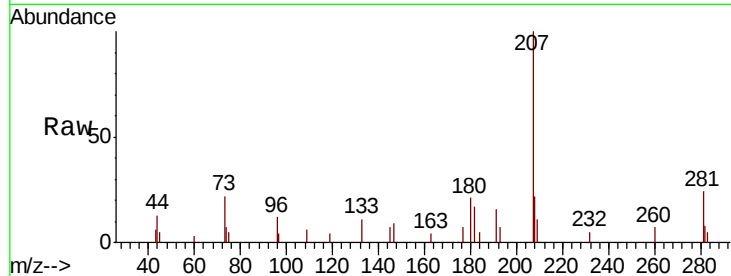




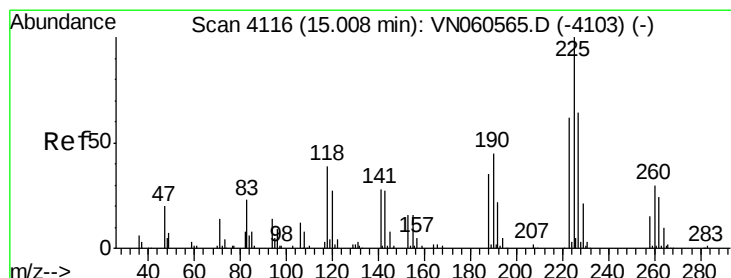
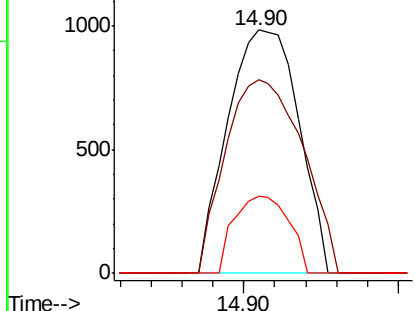
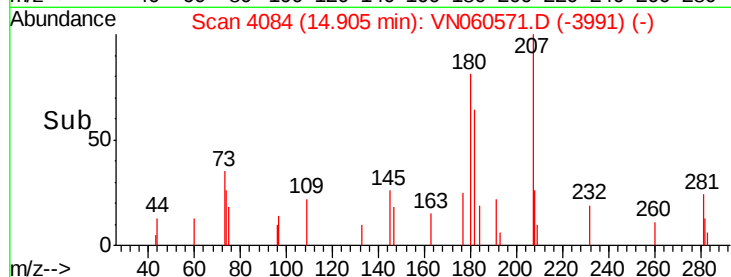
#93
 1,2,4-Trichlorobenzene
 Concen: 0.622 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060571.D
 Acq: 17 Mar 2020 22:14

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

Tot Ion:180 Resp: 1572
 Ion Ratio Lower Upper
 180 100
 182 86.7 47.9 143.8
 145 24.4 15.4 46.2

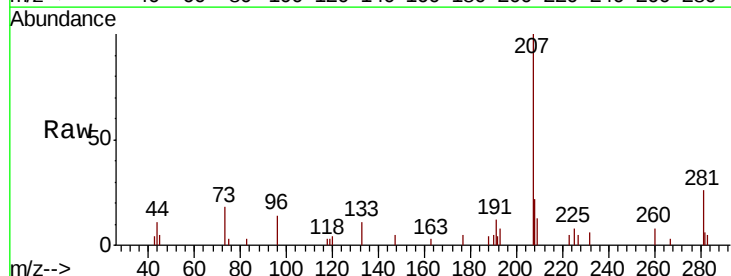


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

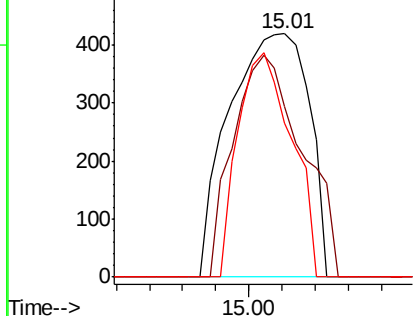
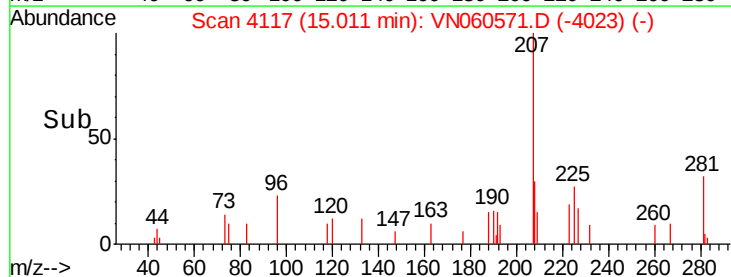


#94
 Hexachlorobutadiene
 Concen: 0.568 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN060571.D
 Acq: 17 Mar 2020 22:14

Tgt Ion:225 Resp: 704
 Ion Ratio Lower Upper
 225 100
 223 78.6 31.6 95.0
 227 61.8 32.3 96.8



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: 0.561 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020

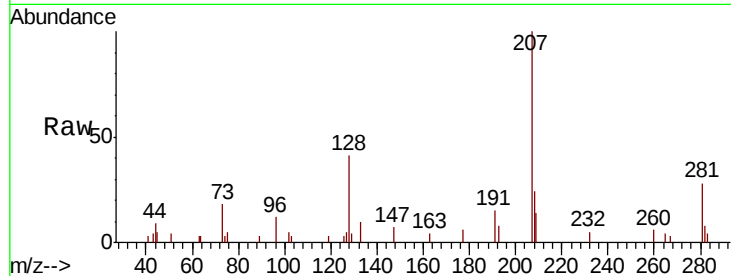
Tot Ion:128 Resp: 4259

Ion Ratio Lower Upper

128 100

127 10.9 10.2 15.2

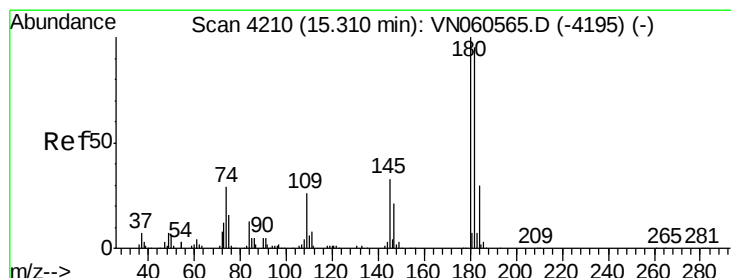
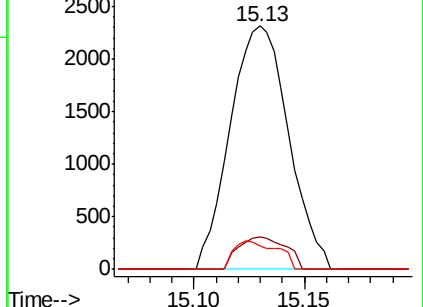
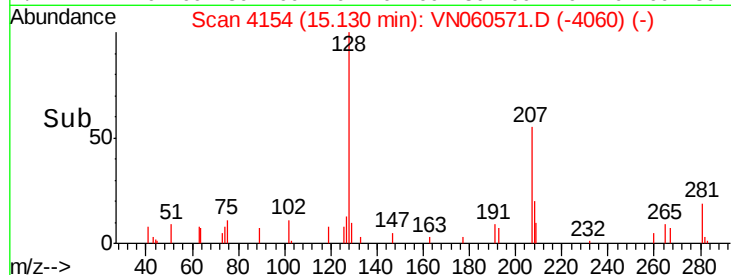
129 8.7 8.8 13.2#



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: 0.612 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN060571.D

Acq: 17 Mar 2020 22:14

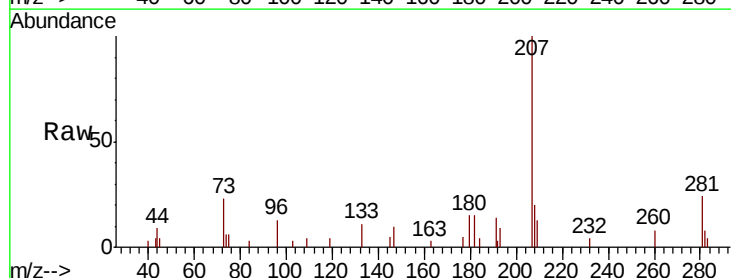
Tgt Ion:180 Resp: 1524

Ion Ratio Lower Upper

180 100

182 97.6 47.5 142.6

145 31.2 16.3 48.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

