

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
 Data File : VN064265.D
 Acq On : 22 Oct 2020 21:15
 Operator : JC/MD
 Sample : L4214-07 2.5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Oct 23 02:01:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	252593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	419787	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	369843	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	167087	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	203235	54.18	ug/l	0.00
Spiked Amount			Recovery	=	108.36%	
35) Dibromofluoromethane	7.55	113	138759	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
50) Toluene-d8	10.06	98	492993	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
62) 4-Bromofluorobenzene	12.38	95	191078	46.56	ug/l	0.00
Spiked Amount			Recovery	=	93.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	5592	2.569	ug/l	90
3) Chloromethane	2.04	50	6182	2.118	ug/l #	87
4) Vinyl Chloride	2.16	62	6389	2.207	ug/l	95
5) Bromomethane	2.53	94	4994	2.647	ug/l	95
6) Chloroethane	2.67	64	2277	1.292	ug/l	95
7) Trichlorofluoromethane	2.99	101	12621	2.652	ug/l	97
8) Diethyl Ether	3.37	74	3705	2.353	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.72	101	5999	2.437	ug/l #	45
10) Methyl Iodide	3.91	142	6724	1.921	ug/l	93
11) Tert butyl alcohol	4.74	59	6846	13.634	ug/l #	79
12) 1,1-Dichloroethene	3.69	96	3096	1.308	ug/l	94
13) Acrolein	3.57	56	2614	8.293	ug/l	98
14) Allyl chloride	4.29	41	10562	2.229	ug/l	98
15) Acrylonitrile	4.93	53	4152	3.999	ug/l #	1
16) Acetone	3.77	43	13562	12.636	ug/l	99
17) Carbon Disulfide	4.01	76	15816	2.342	ug/l #	93
18) Methyl Acetate	4.28	43	3706	1.355	ug/l #	88
19) Methyl tert-butyl Ether	4.99	73	20353	2.501	ug/l #	85
20) Methylene Chloride	4.51	84	7307	2.553	ug/l #	88
21) trans-1,2-Dichloroethene	5.00	96	6331	2.425	ug/l	89
22) Diisopropyl ether	5.90	45	19793	2.247	ug/l	89
23) Vinyl Acetate	5.85	43	90946	11.578	ug/l	95
24) 1,1-Dichloroethane	5.80	63	12712	2.491	ug/l #	92
25) 2-Butanone	6.79	43	20795	12.195	ug/l	99
26) 2,2-Dichloropropane	6.77	77	10829	2.132	ug/l	82
27) cis-1,2-Dichloroethene	6.78	96	6940	2.283	ug/l	95
28) Bromochloromethane	7.15	49	6331	2.612	ug/l #	89
29) Tetrahydrofuran	7.17	42	14076	13.800	ug/l	97
30) Chloroform	7.33	83	6821	1.253	ug/l	95
31) Cyclohexane	7.61	56	15322	3.446	ug/l #	70
32) 1,1,1-Trichloroethane	7.53	97	12554	2.462	ug/l	97
36) 1,1-Dichloropropene	7.76	75	9792	2.340	ug/l	99
37) Ethyl Acetate	6.88	43	7825	2.059	ug/l #	93
38) Carbon Tetrachloride	7.73	117	11779	2.474	ug/l #	82

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 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	8103	2.129	ug/l #	87
40) Benzene	8.00	78	26330	2.279	ug/l	99
41) Methacrylonitrile	7.12	41	2532	1.270	ug/l #	36
42) 1,2-Dichloroethane	8.08	62	12576	2.541	ug/l	94
43) Isopropyl Acetate	8.12	43	18072	2.552	ug/l #	76
44) Trichloroethene	8.79	130	7613	2.418	ug/l	89
45) 1,2-Dichloropropane	9.09	63	7404	2.401	ug/l #	87
46) Dibromomethane	9.18	93	5123	2.474	ug/l	97
47) Bromodichloromethane	9.37	83	10683	2.335	ug/l	97
48) Methyl methacrylate	9.16	41	8944	2.418	ug/l	92
49) 1,4-Dioxane	9.15	88	1011	23.358	ug/l #	12
51) 4-Methyl-2-Pentanone	9.95	43	45078	11.911	ug/l	96
52) Toluene	10.12	92	16991	2.299	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	11382	2.239	ug/l	93
54) cis-1,3-Dichloropropene	9.81	75	12786	2.389	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	6673	2.390	ug/l	95
56) Ethyl methacrylate	10.40	69	9569	2.217	ug/l #	91
57) 1,3-Dichloropropane	10.68	76	11095	2.288	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.66	63	24270	10.918	ug/l	94
59) 2-Hexanone	10.72	43	33393	12.081	ug/l	92
60) Dibromochloromethane	10.87	129	7734	2.140	ug/l	98
61) 1,2-Dibromoethane	10.98	107	7059	2.396	ug/l	95
64) Tetrachloroethene	10.60	164	8225	2.762	ug/l	94
65) Chlorobenzene	11.40	112	18156	2.372	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.48	131	7377	2.428	ug/l	98
67) Ethyl Benzene	11.48	91	33469	2.379	ug/l	97
68) m/p-Xylenes	11.59	106	22889	4.391	ug/l	97
69) o-Xylene	11.92	106	12589	2.497	ug/l	98
70) Styrene	11.94	104	18435	2.182	ug/l	97
71) Bromoform	12.10	173	5263	2.242	ug/l #	93
73) Isopropylbenzene	12.22	105	30691	2.408	ug/l	96
74) N-amyl acetate	12.05	43	11744	2.133	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.48	83	8531	2.523	ug/l	94
76) 1,2,3-Trichloropropane	12.52	75	13235	3.757	ug/l #	100
77) Bromobenzene	12.50	156	7260	2.413	ug/l	85
78) n-propylbenzene	12.56	91	33708	2.346	ug/l	100
79) 2-Chlorotoluene	12.65	91	22802	2.584	ug/l	96
80) 1,3,5-Trimethylbenzene	12.70	105	24531	2.277	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.37	75	106199	76.118	ug/l #	9
82) 4-Chlorotoluene	12.75	91	22846	2.482	ug/l	98
83) tert-Butylbenzene	12.97	119	22053	2.497	ug/l	93
84) 1,2,4-Trimethylbenzene	13.01	105	25128	2.343	ug/l	97
85) sec-Butylbenzene	13.14	105	25759	2.313	ug/l	98
86) p-Isopropyltoluene	13.26	119	23110	2.279	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	12861	2.403	ug/l	96
88) 1,4-Dichlorobenzene	13.33	146	13162	2.402	ug/l	82
89) n-Butylbenzene	13.59	91	19877	2.187	ug/l	97
90) Hexachloroethane	13.85	117	4472	2.435	ug/l	98
91) 1,2-Dichlorobenzene	13.62	146	12854	2.448	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.24	75	2215	2.625	ug/l	79

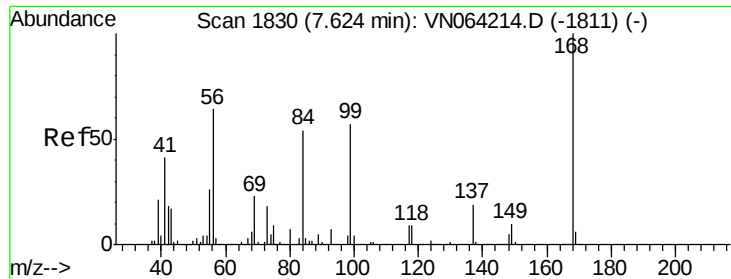
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Quant Title : SW846 8260
QLast Update : Wed Oct 21 12:48:40 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	6233	2.116	ug/l	90
94) Hexachlorobutadiene	14.98	225	3826	2.408	ug/l	94
95) Naphthalene	15.10	128	16768	1.901	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	5553	1.903	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

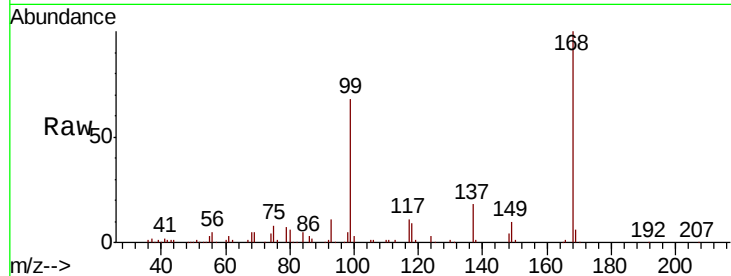
LOD-MDL-WATER-01-QT4-2020

Tot Ion:168 Resp: 252593

Ion Ratio Lower Upper

168 100

99 67.5 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

120000

100000

80000

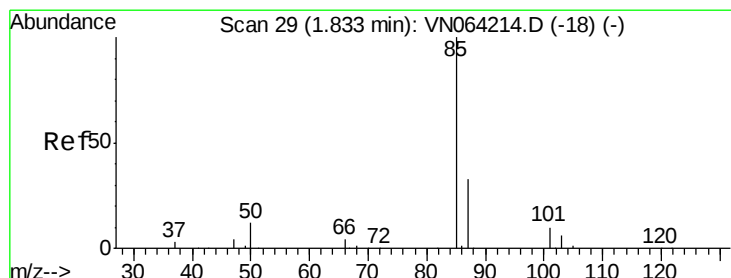
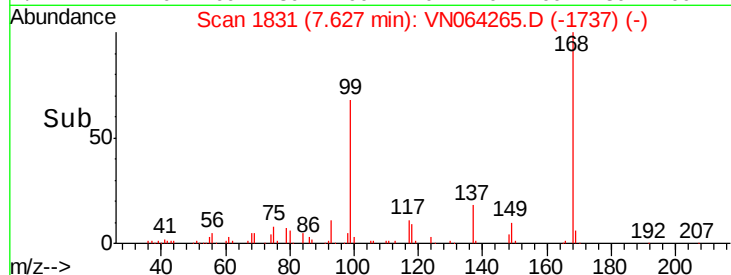
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 2.569 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064265.D

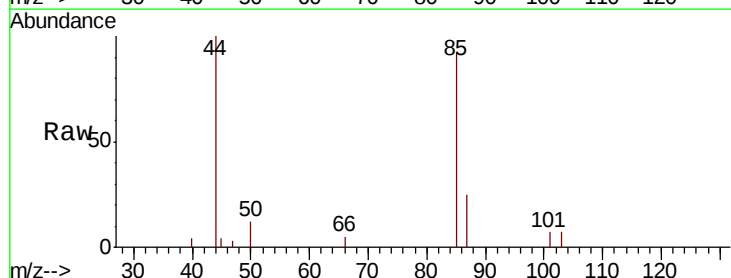
Acq: 22 Oct 2020 21:15

Tgt Ion: 85 Resp: 5592

Ion Ratio Lower Upper

85 100

87 27.4 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

5000

4000

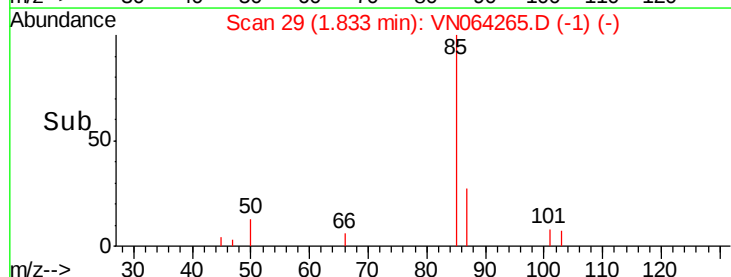
3000

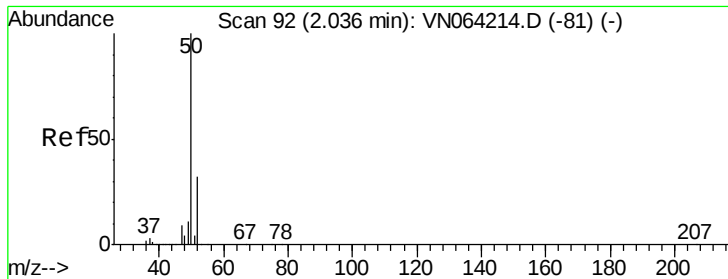
2000

1000

0

Time--> 1.80 1.85





#3

Chloromethane

Concen: 2.118 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

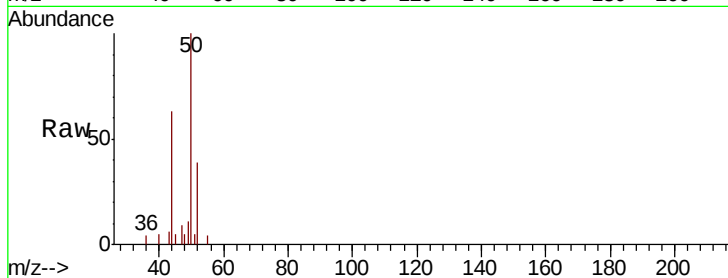
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 50 Resp: 6182

Ion Ratio Lower Upper

50 100

52 38.9 25.3 37.9#

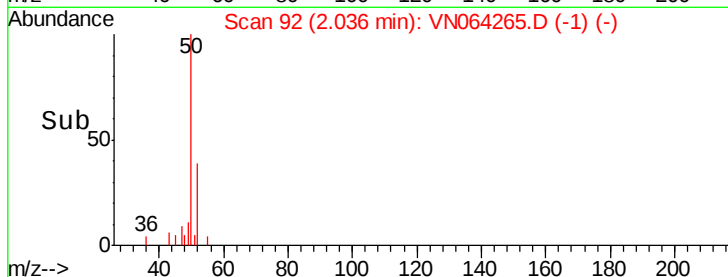


Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

Time-->



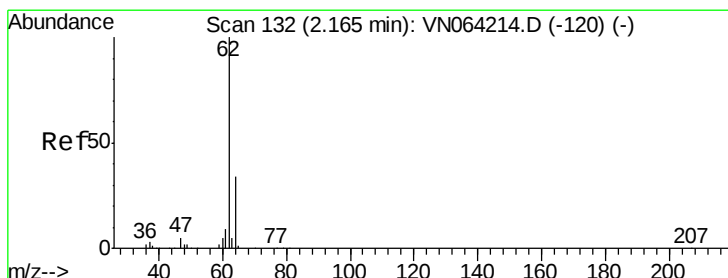
Abundance

Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

Time-->



#4

Vinyl Chloride

Concen: 2.207 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064265.D

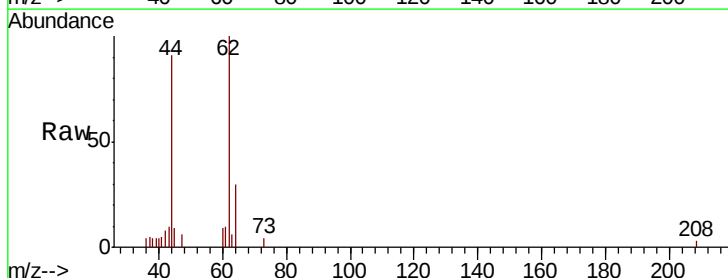
Acq: 22 Oct 2020 21:15

Tgt Ion: 62 Resp: 6389

Ion Ratio Lower Upper

62 100

64 30.4 26.8 40.2

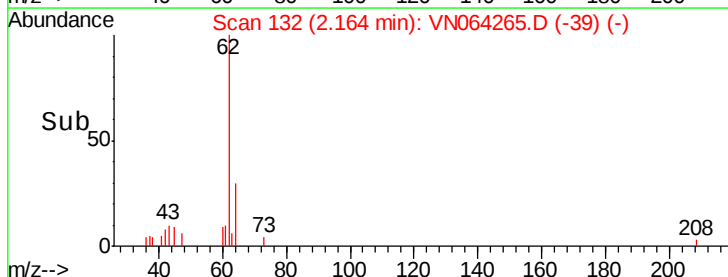


Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

Time-->



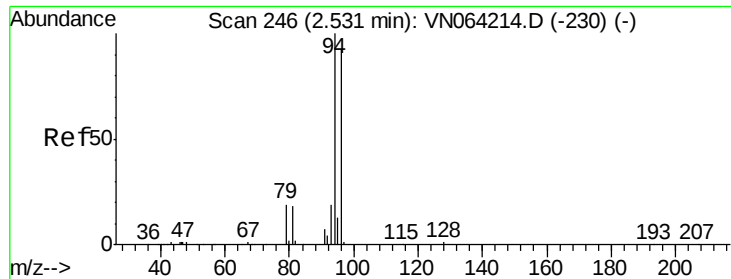
Abundance

Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

Time-->



#5

Bromomethane

Concen: 2.647 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

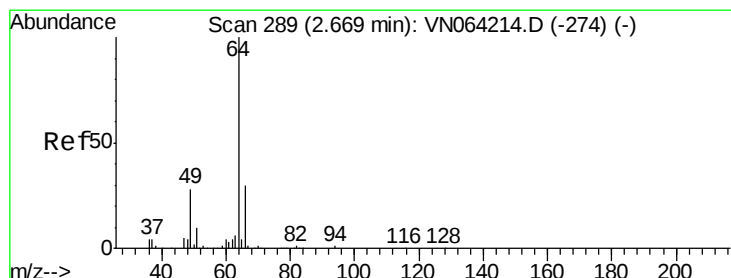
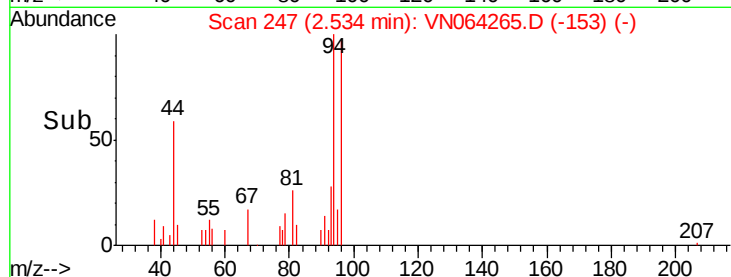
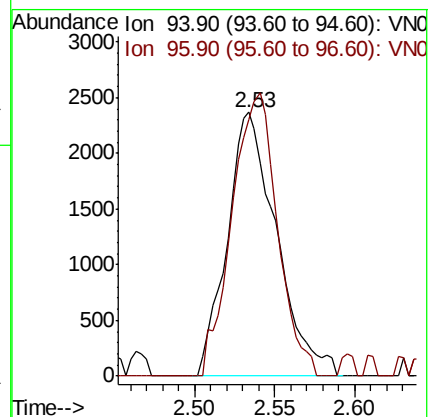
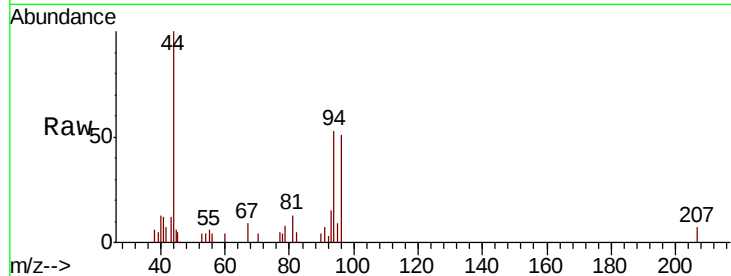
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 94 Resp: 4994

Ion Ratio Lower Upper

94 100

96 97.5 74.2 111.4



#6

Chloroethane

Concen: 1.292 ug/l

RT: 2.67 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN064265.D

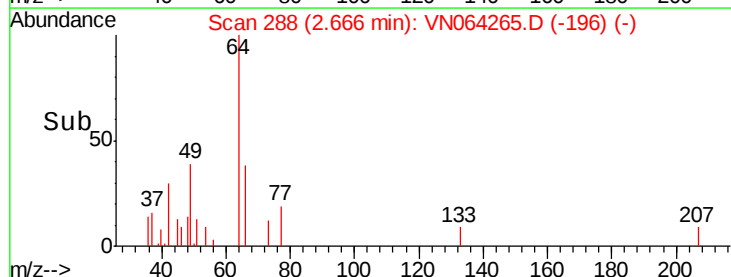
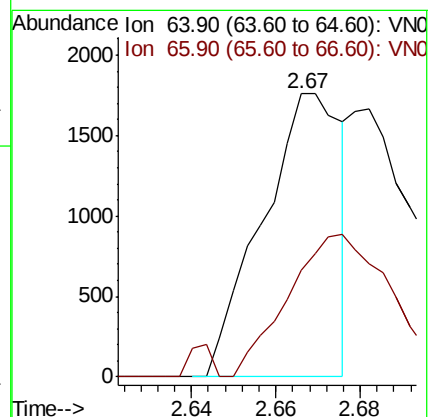
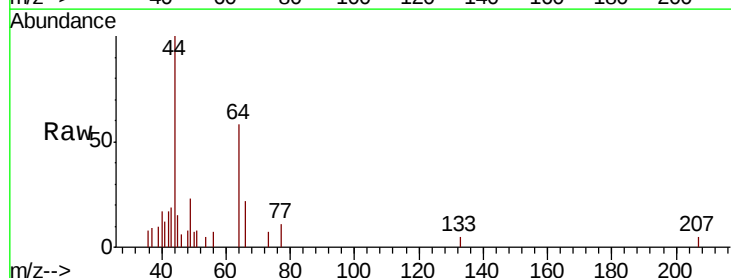
Acq: 22 Oct 2020 21:15

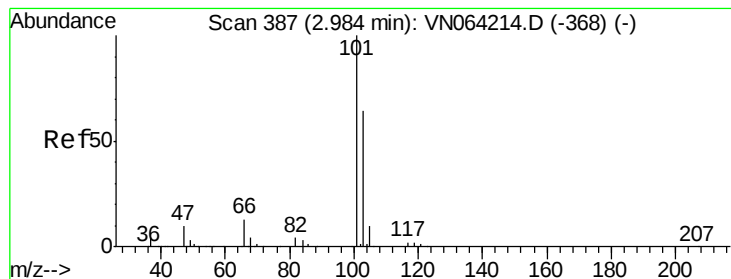
Tgt Ion: 64 Resp: 2277

Ion Ratio Lower Upper

64 100

66 27.7 24.5 36.7





#7

Trichlorofluoromethane

Concen: 2.652 ug/l

RT: 2.99 min Scan# 388

Delta R.T. 0.00 min

Lab File: VN064265.D

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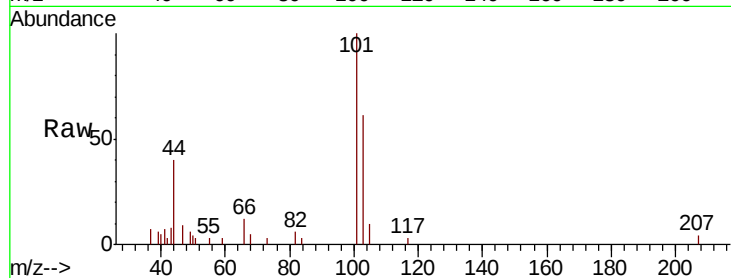
LOD-MDL-WATER-01-QT4-2020

Tot Ion:101 Resp: 12621

Ion Ratio Lower Upper

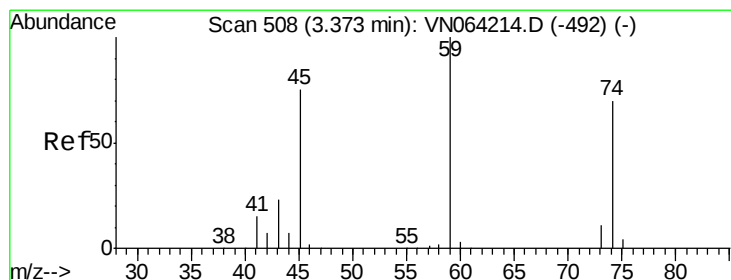
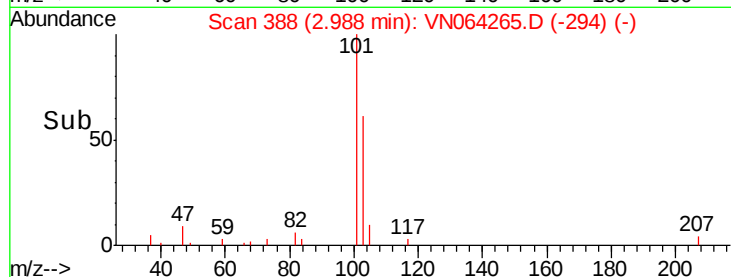
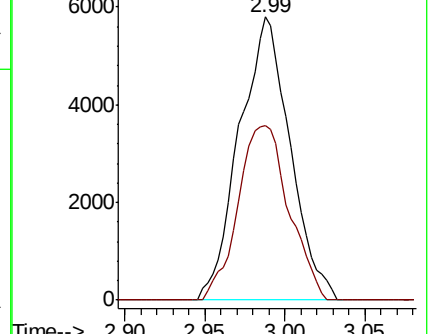
101 100

103 61.5 51.0 76.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 2.353 ug/l

RT: 3.37 min Scan# 508

Delta R.T. -0.00 min

Lab File: VN064265.D

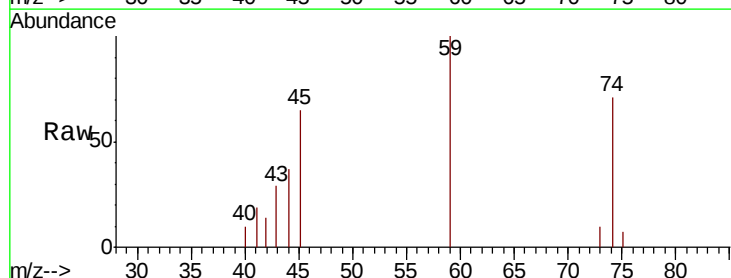
Acq: 22 Oct 2020 21:15

Tgt Ion: 74 Resp: 3705

Ion Ratio Lower Upper

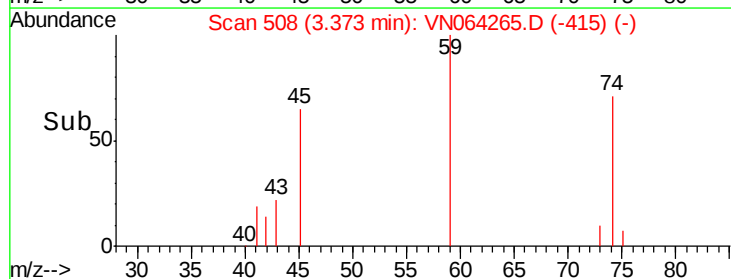
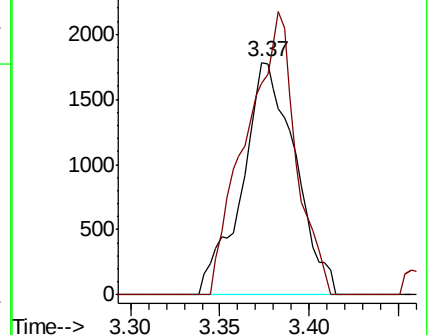
74 100

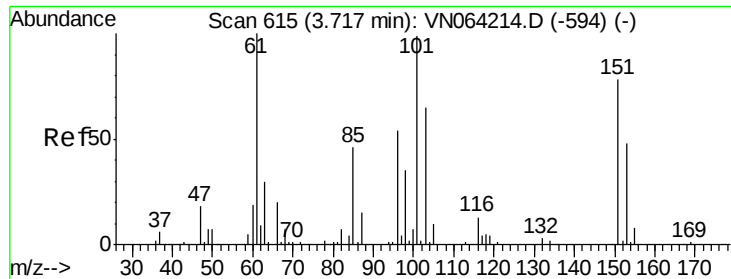
45 113.7 51.3 154.0



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.437 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

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LOD-MDL-WATER-01-QT4-2020

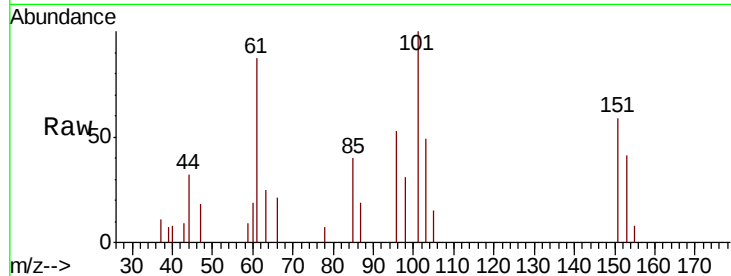
Tot Ion:101 Resp: 5999

Ion Ratio Lower Upper

101 100

85 6.5 37.8 56.8#

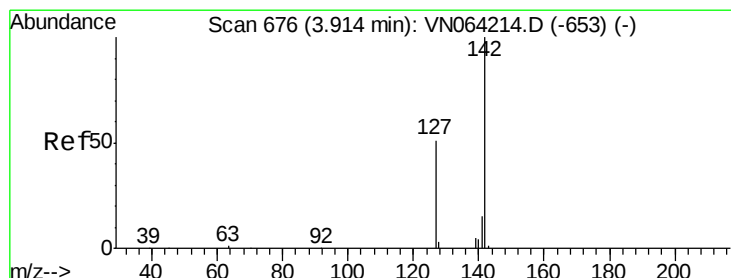
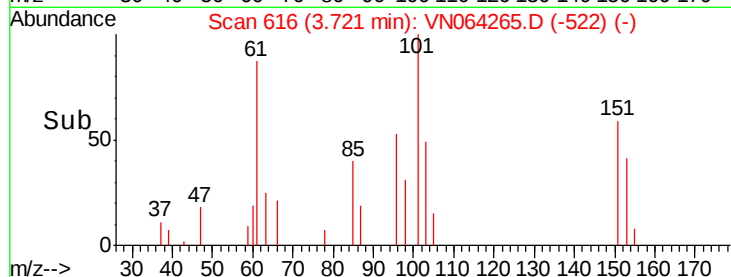
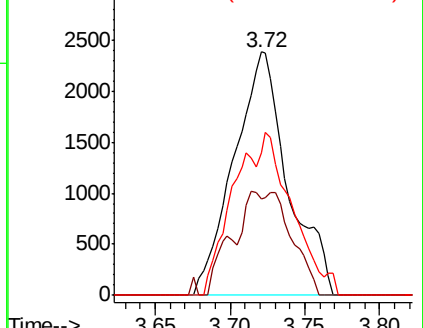
151 32.0 61.4 92.2#



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



#10

Methyl Iodide

Concen: 1.921 ug/l

RT: 3.91 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

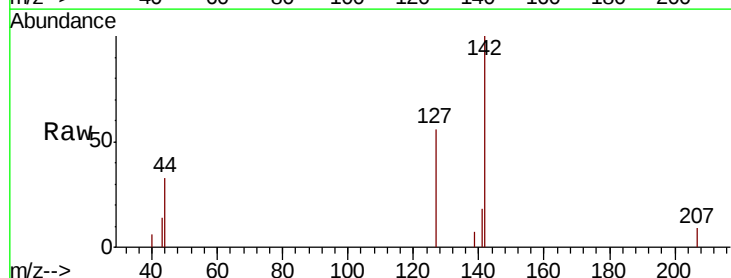
Tgt Ion:142 Resp: 6724

Ion Ratio Lower Upper

142 100

127 56.1 41.0 61.6

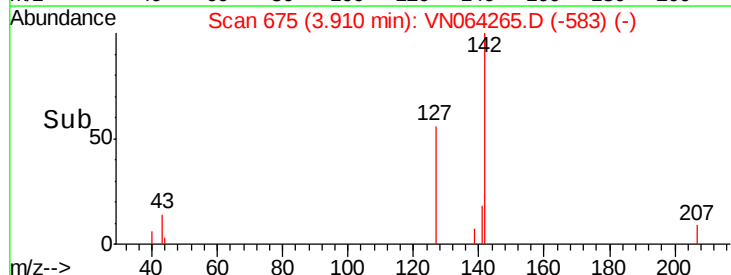
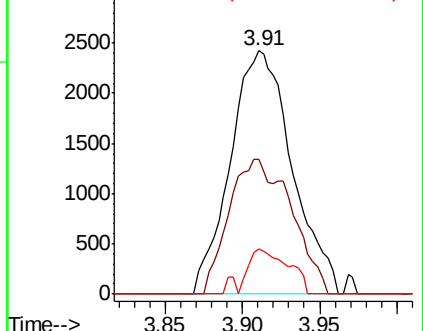
141 11.9 11.3 16.9

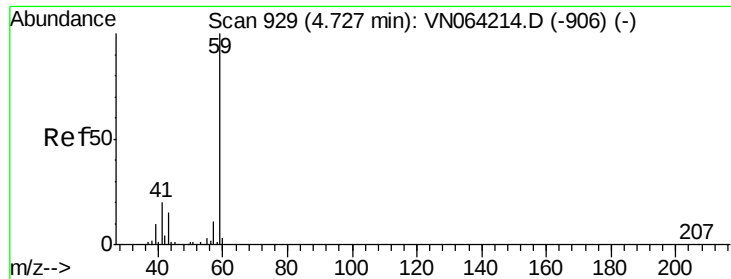


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 13.634 ug/l

RT: 4.74 min Scan# 933

Delta R.T. 0.01 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

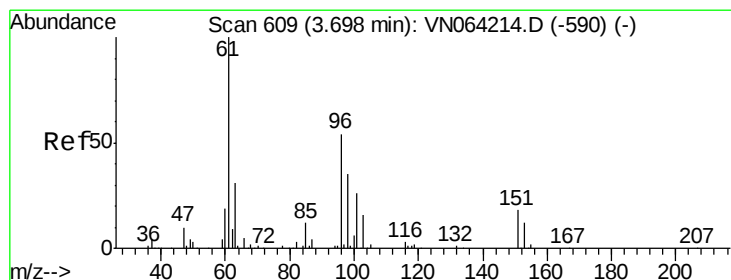
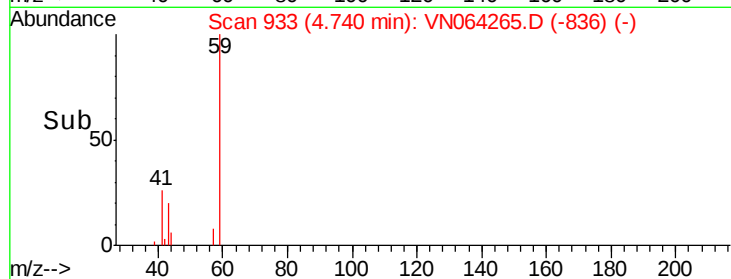
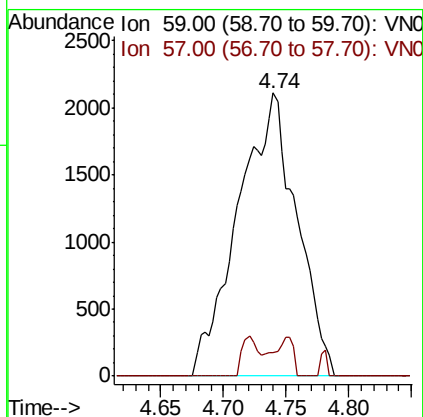
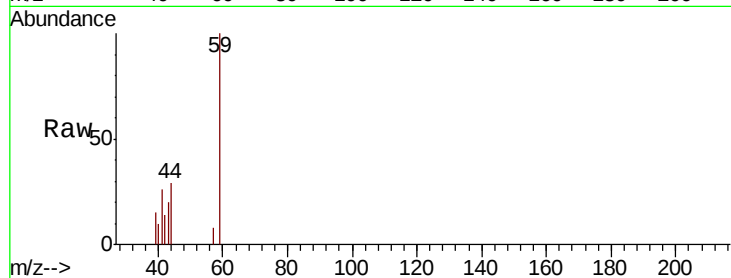
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 59 Resp: 6846

Ion Ratio Lower Upper

59 100

57 3.5 9.2 13.8#



#12

1,1-Dichloroethene

Concen: 1.308 ug/l

RT: 3.69 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

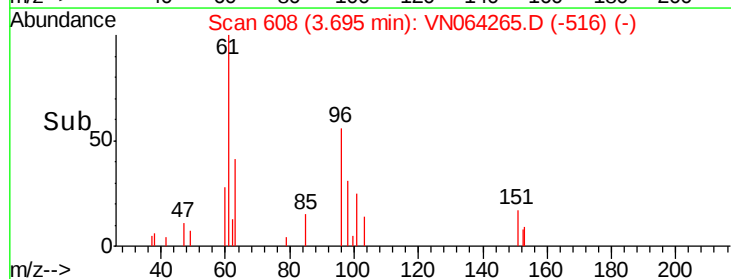
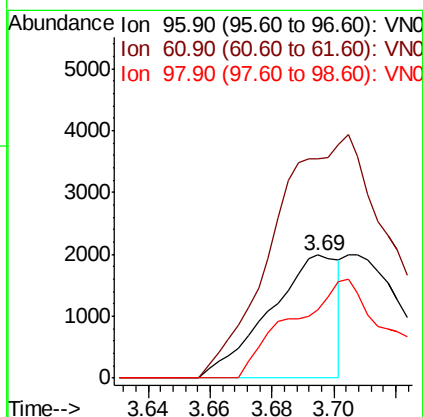
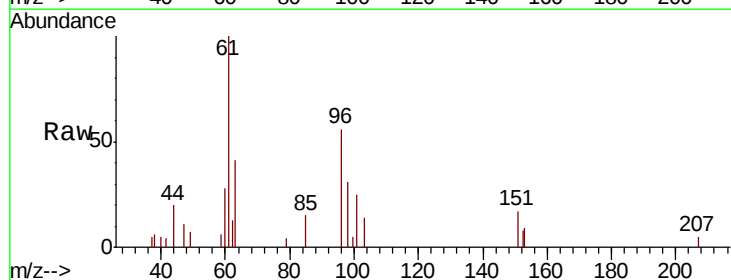
Tgt Ion: 96 Resp: 3096

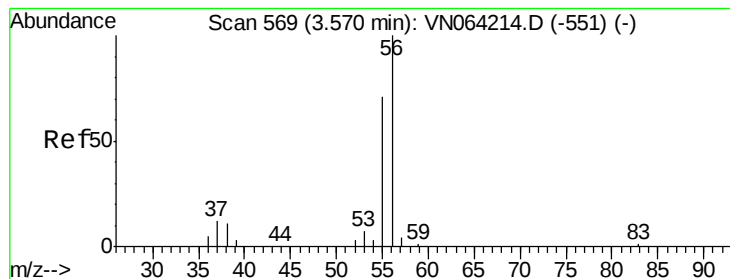
Ion Ratio Lower Upper

96 100

61 177.7 147.0 220.4

98 55.8 51.7 77.5





#13

Acrolein

Concen: 8.293 ug/l

RT: 3.57 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

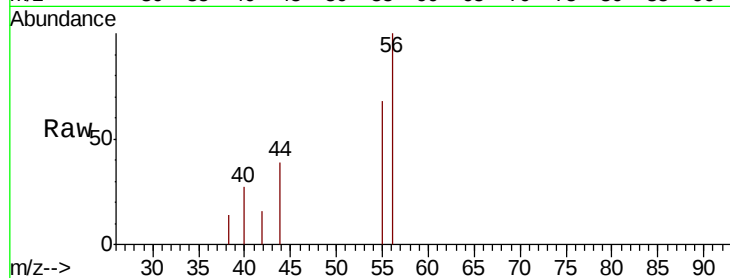
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 56 Resp: 2614

Ion Ratio Lower Upper

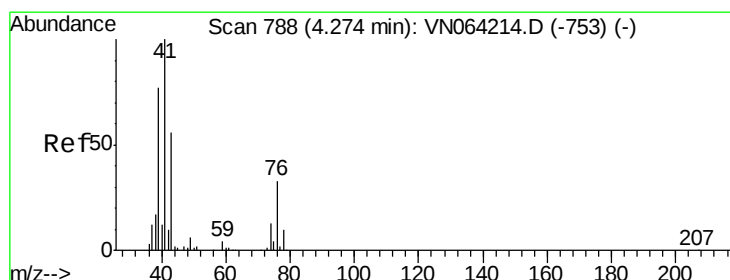
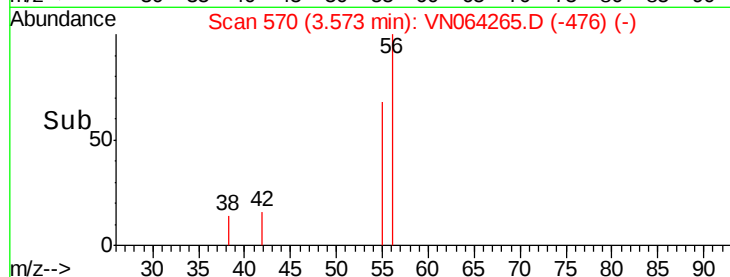
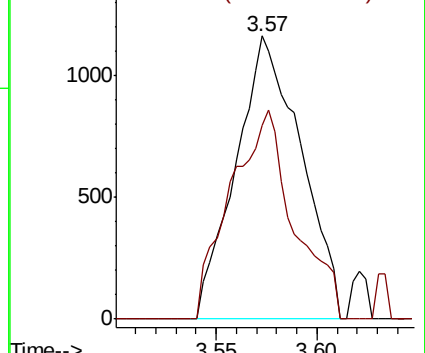
56 100

55 71.8 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 2.229 ug/l

RT: 4.29 min Scan# 792

Delta R.T. 0.01 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

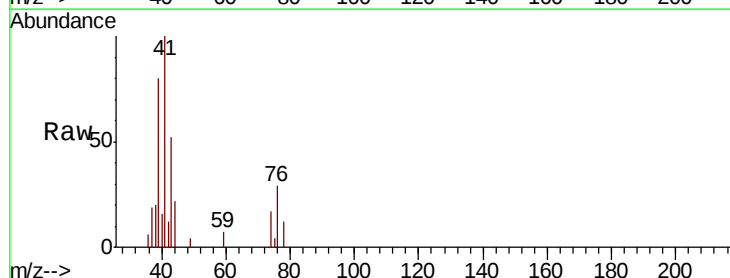
Tgt Ion: 41 Resp: 10562

Ion Ratio Lower Upper

41 100

39 75.1 58.6 88.0

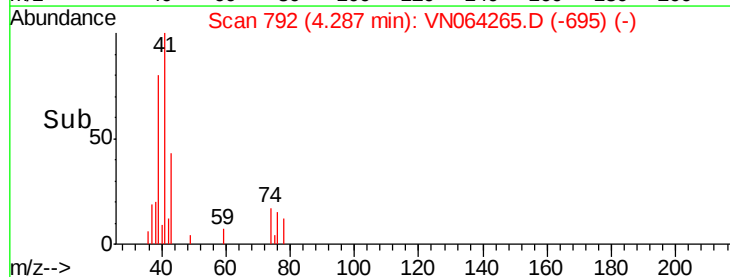
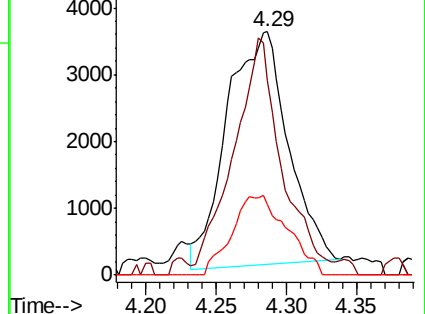
76 30.9 24.5 36.7

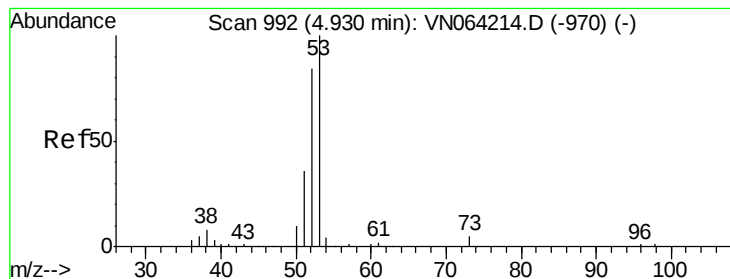


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 3.999 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

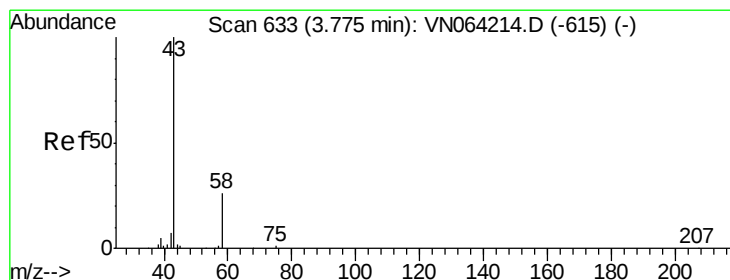
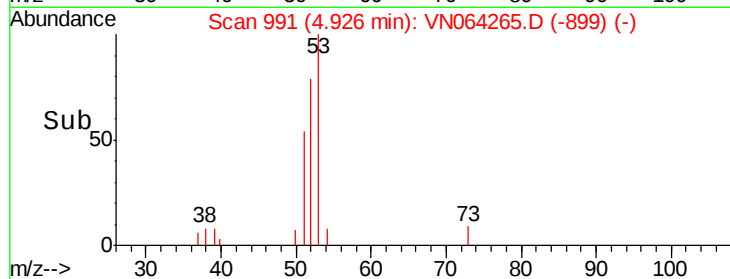
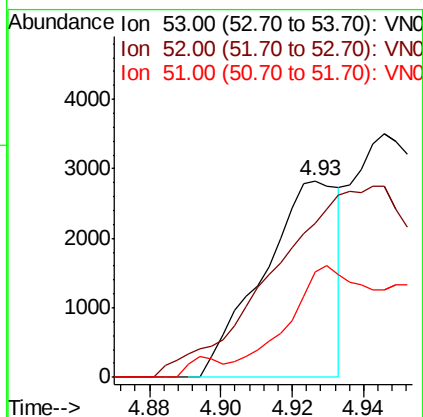
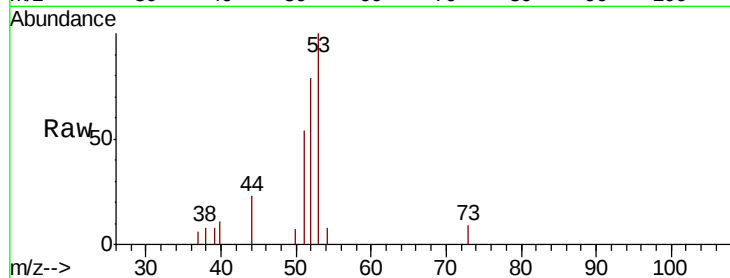
Tot Ion: 53 Resp: 4152

Ion Ratio Lower Upper

53 100

52 242.2 66.8 100.2#

51 47.5 30.7 46.1#



#16

Acetone

Concen: 12.636 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN064265.D

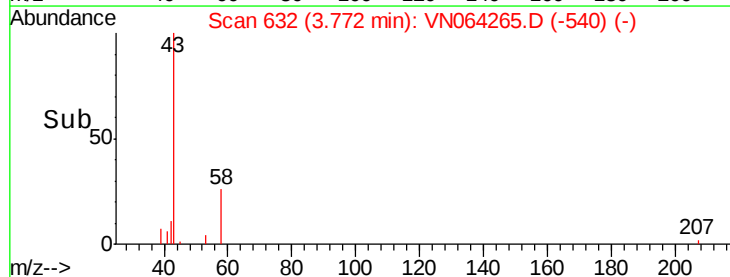
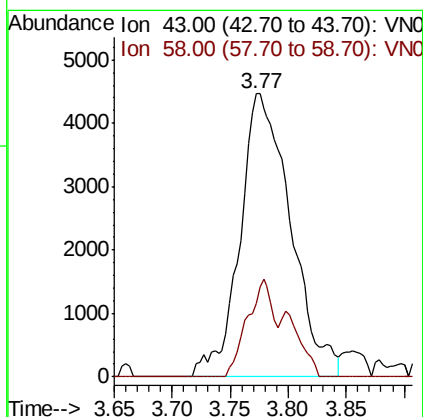
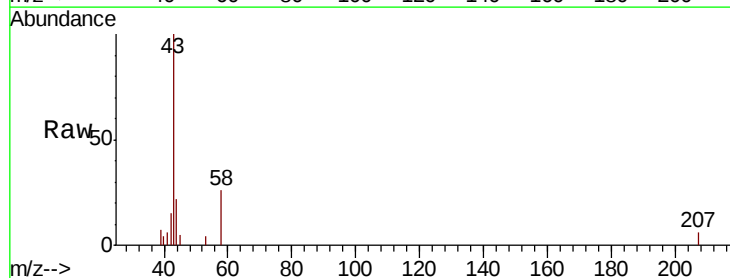
Acq: 22 Oct 2020 21:15

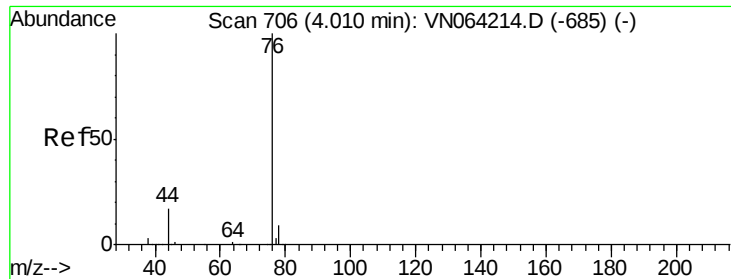
Tgt Ion: 43 Resp: 13562

Ion Ratio Lower Upper

43 100

58 25.9 21.0 31.4

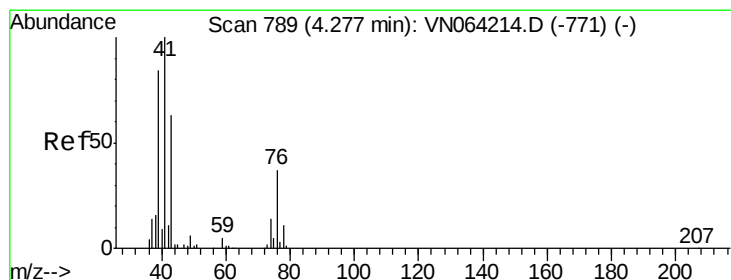
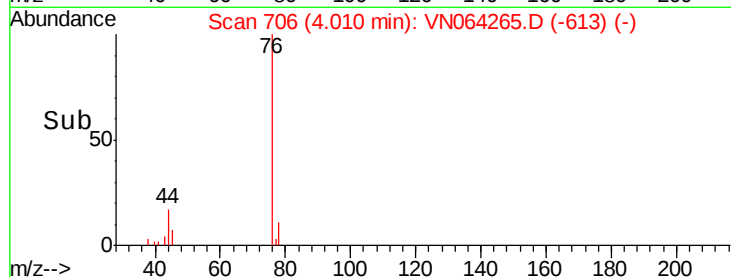
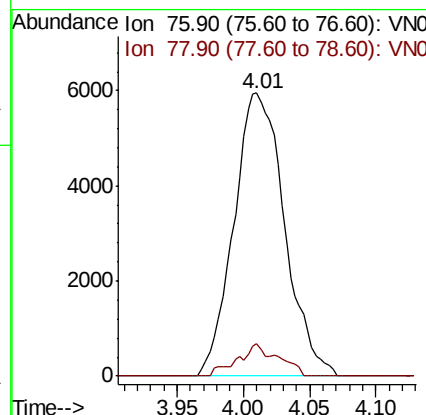
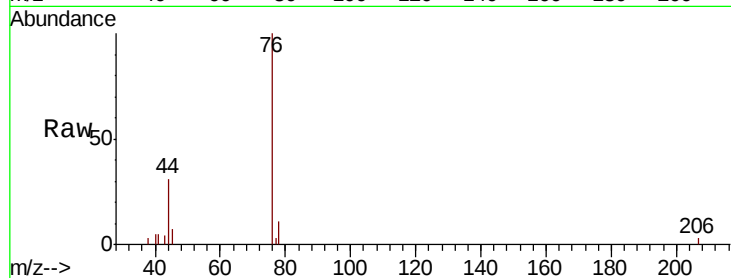




#17
Carbon Disulfide
Concen: 2.342 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

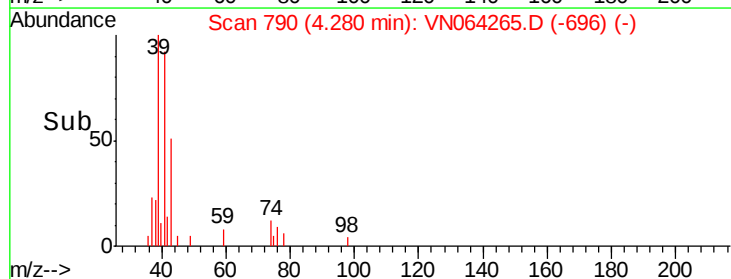
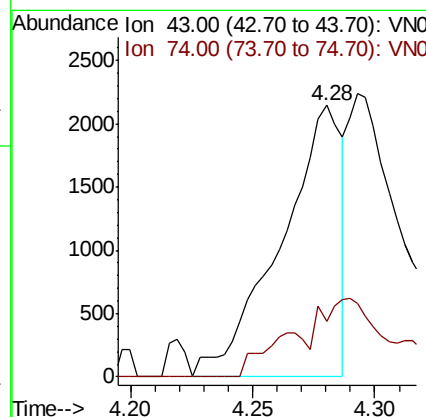
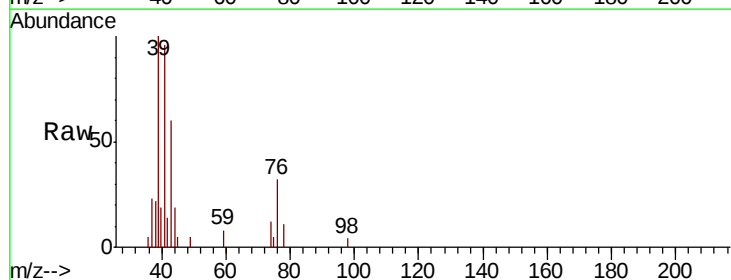
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

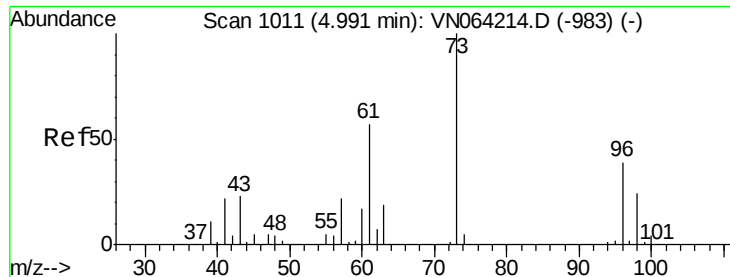
Tot Ion: 76 Resp: 15816
Ion Ratio Lower Upper
76 100
78 11.4 7.1 10.7#



#18
Methyl Acetate
Concen: 1.355 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

Tgt Ion: 43 Resp: 3706
Ion Ratio Lower Upper
43 100
74 16.8 17.9 26.9#

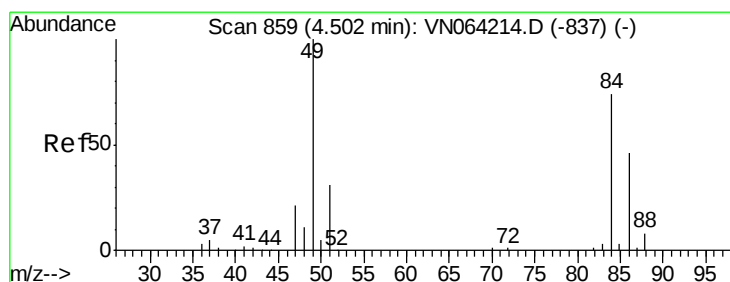
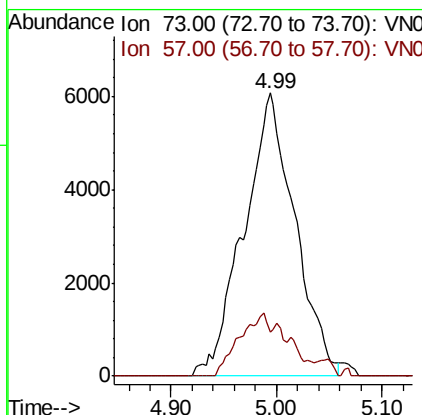
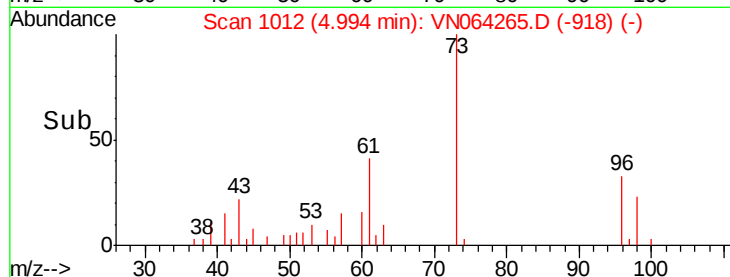
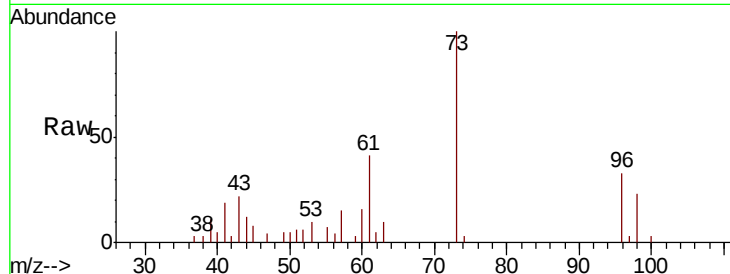




#19
Methvl tert-butvl Ether
Concen: 2.501 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

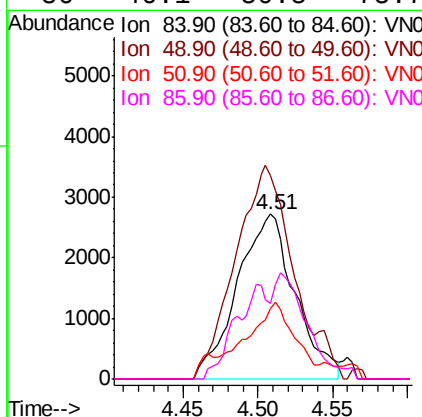
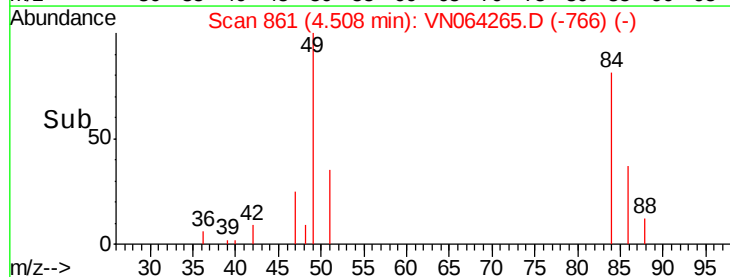
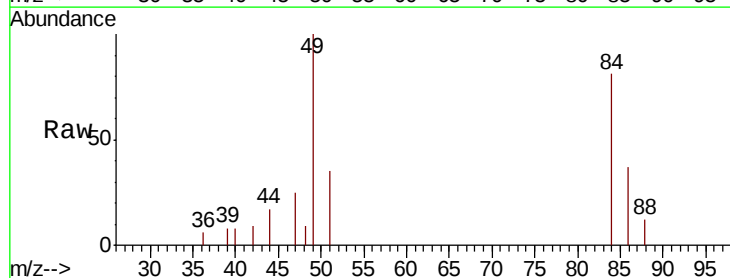
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

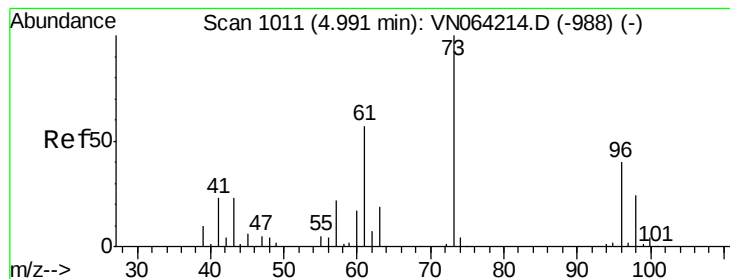
Tot Ion: 73 Resp: 20353
Ion Ratio Lower Upper
73 100
57 15.3 18.0 27.0#



#20
Methylene Chloride
Concen: 2.553 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

Tgt Ion: 84 Resp: 7307
Ion Ratio Lower Upper
84 100
49 123.5 108.5 162.7
51 42.7 33.8 50.8
86 46.1 50.5 75.7#





#21

trans-1,2-Dichloroethene

Concen: 2.425 ug/l

RT: 5.00 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

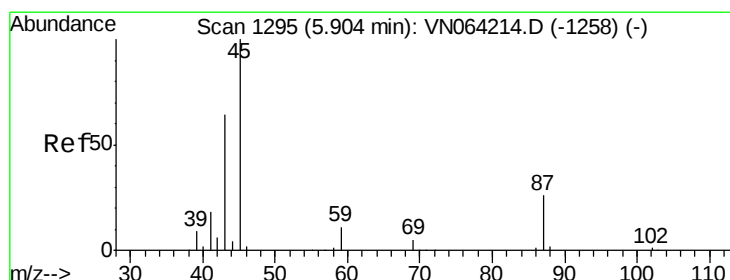
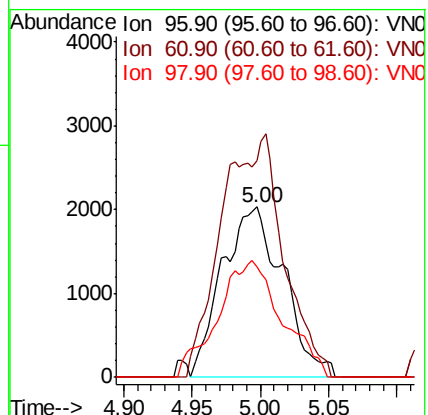
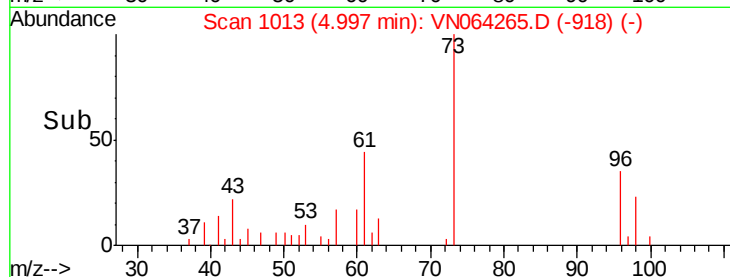
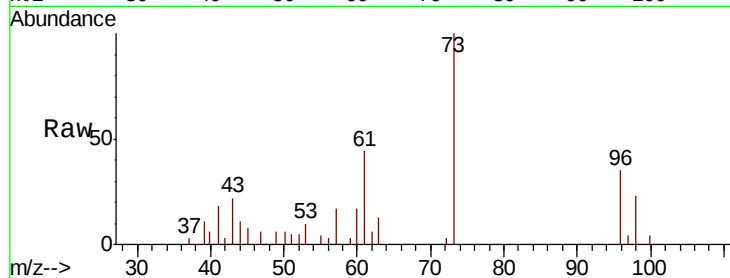
Tot Ion: 96 Resp: 6331

Ion Ratio Lower Upper

96 100

61 126.8 115.8 173.6

98 64.8 49.4 74.0



#22

Diisopropyl ether

Concen: 2.247 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Tgt Ion: 45 Resp: 19793

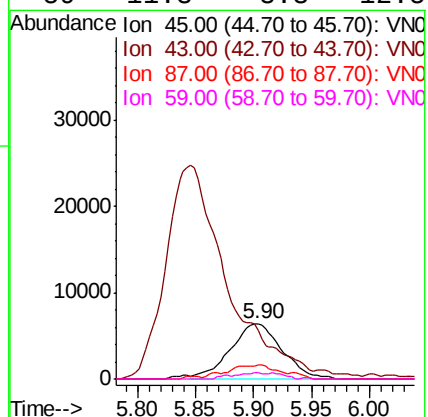
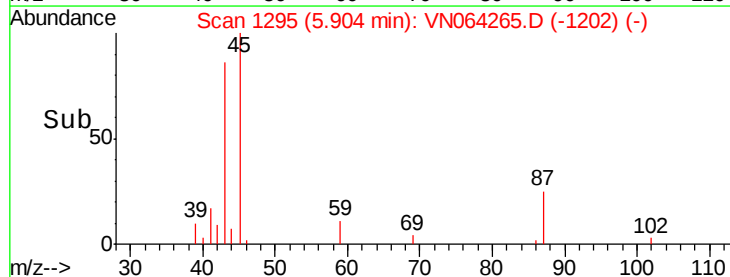
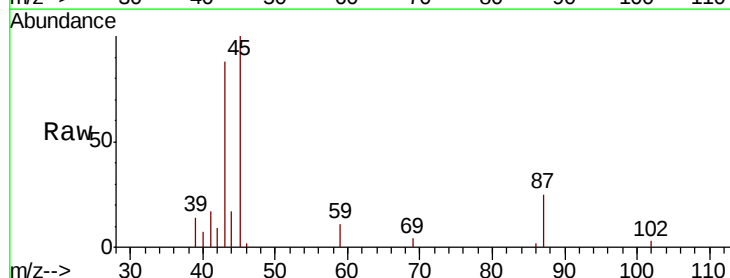
Ion Ratio Lower Upper

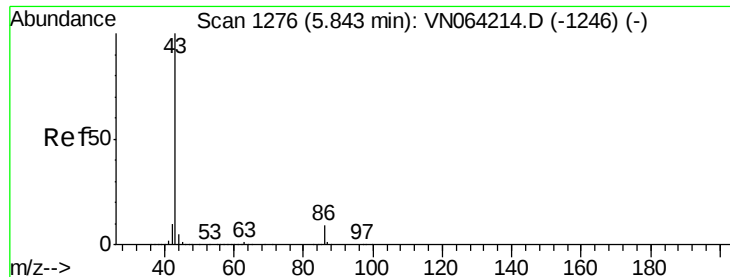
45 100

43 77.9 52.2 78.4

87 24.8 21.4 32.0

59 11.3 8.3 12.5





#23

Vinyl Acetate

Concen: 11.578 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

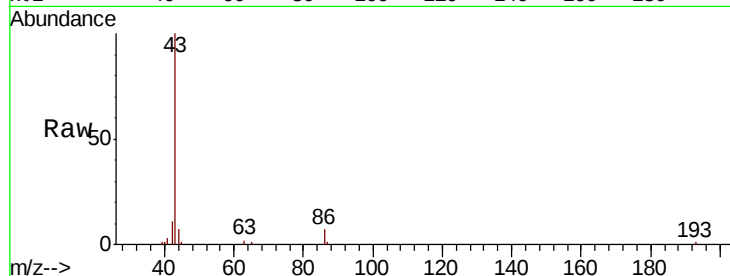
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 90946

Ion Ratio Lower Upper

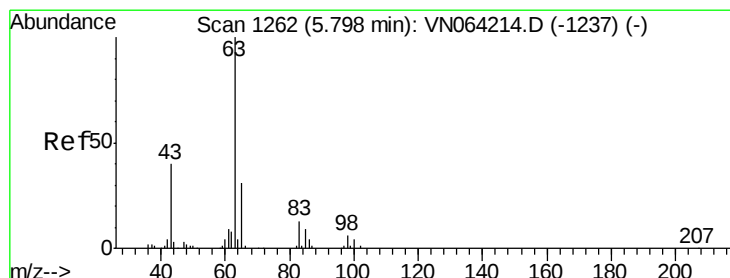
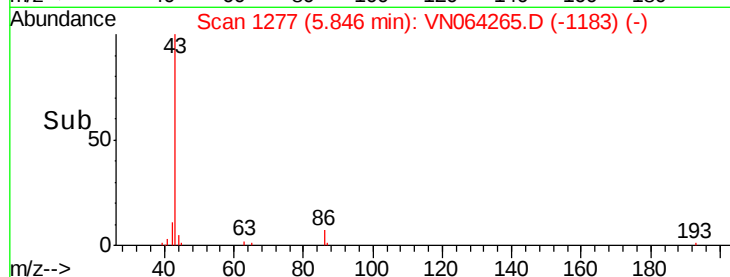
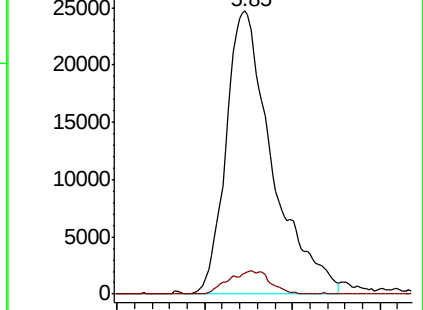
43 100

86 7.4 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VN064214.D (-1246) (-)

Ion 86.00 (85.70 to 86.70): VN064214.D (-1246) (-)



#24

1,1-Dichloroethane

Concen: 2.491 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

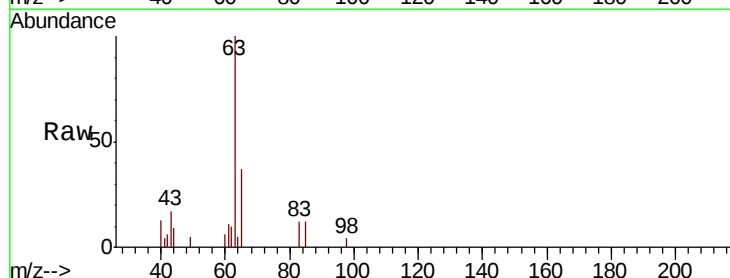
Tgt Ion: 63 Resp: 12712

Ion Ratio Lower Upper

63 100

98 4.2 2.9 8.7

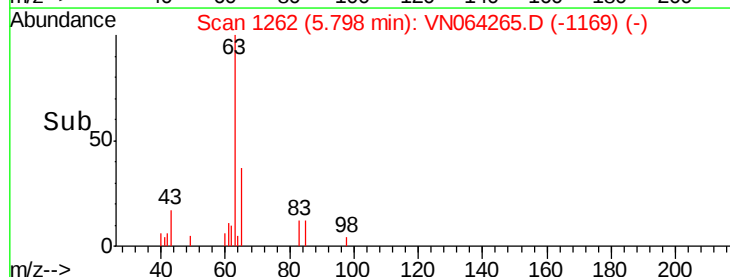
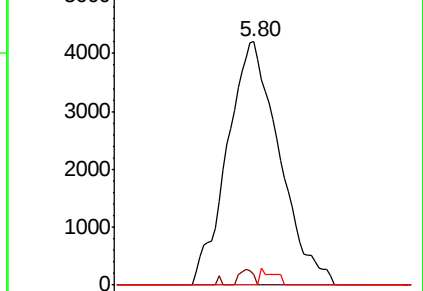
100 0.0 2.0 6.0#

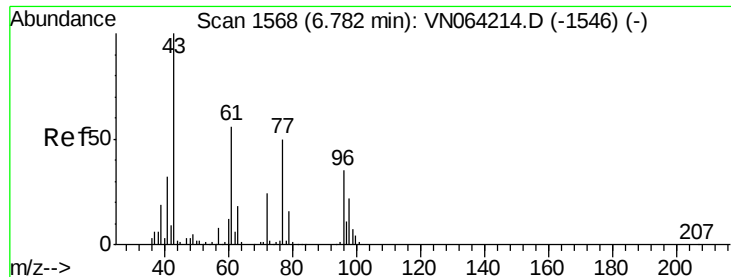


Abundance Ion 62.90 (62.60 to 63.60): VN064214.D (-1237) (-)

Ion 97.90 (97.60 to 98.60): VN064214.D (-1237) (-)

Ion 99.90 (99.60 to 100.60): VN064214.D (-1237) (-)

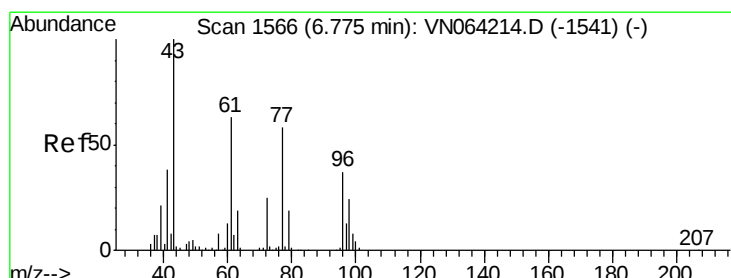
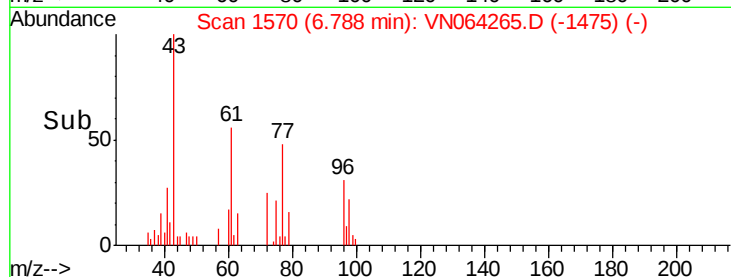
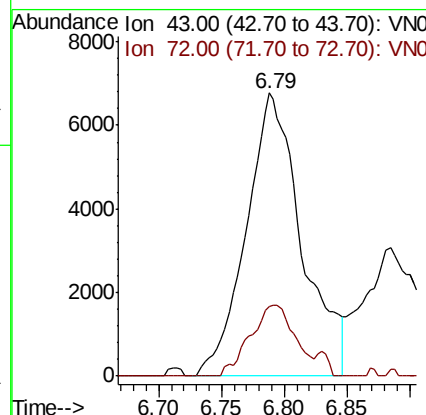
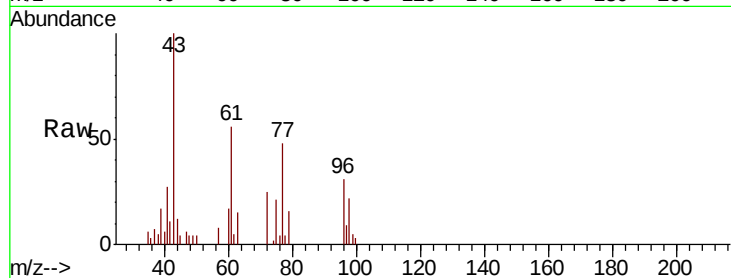




#25
2-Butanone
Concen: 12.195 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

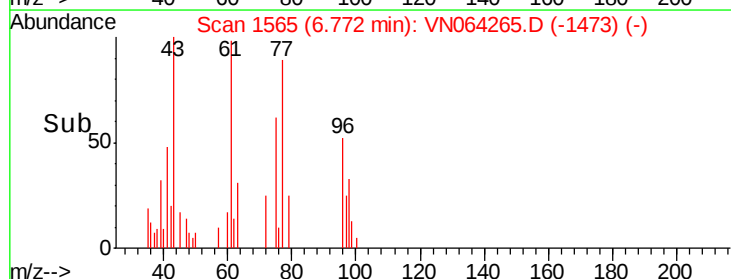
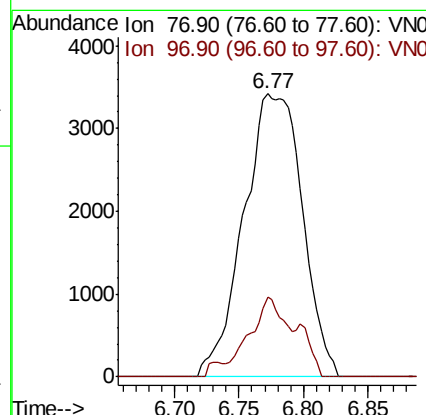
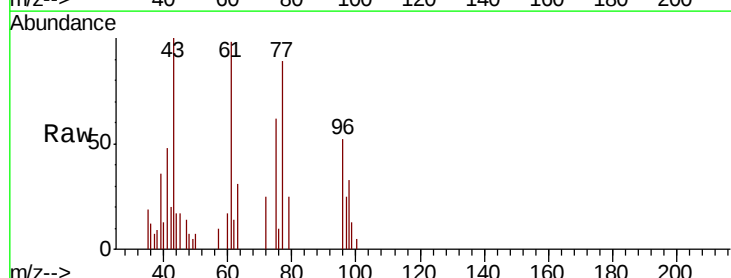
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

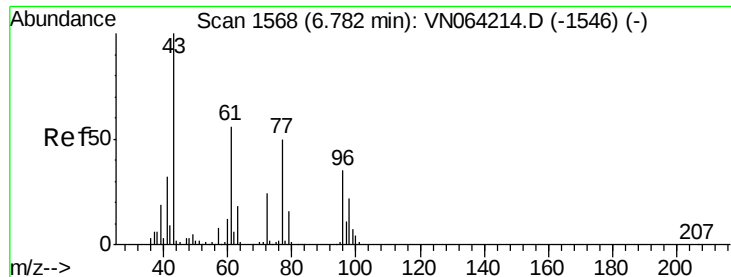
Tot Ion: 43 Resp: 20795
Ion Ratio Lower Upper
43 100
72 24.8 19.4 29.0



#26
2,2-Dichloropropane
Concen: 2.132 ug/l
RT: 6.77 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

Tgt Ion: 77 Resp: 10829
Ion Ratio Lower Upper
77 100
97 12.5 10.4 31.4





#27

cis-1,2-Dichloroethene

Concen: 2.283 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

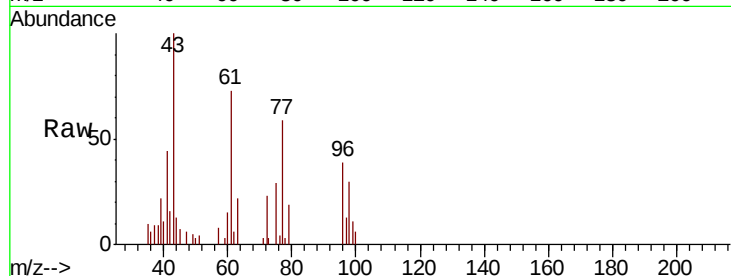
Tot Ion: 96 Resp: 6940

Ion Ratio Lower Upper

96 100

61 174.5 0.0 330.0

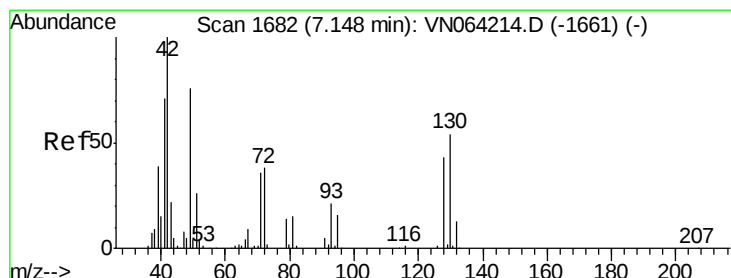
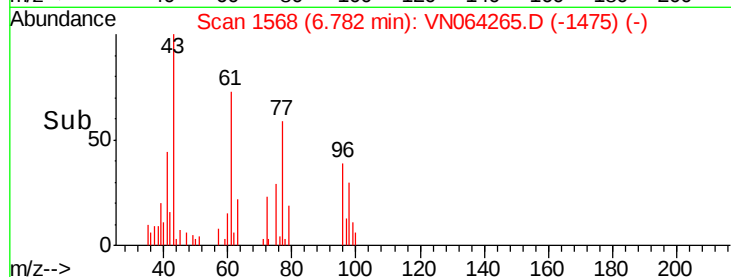
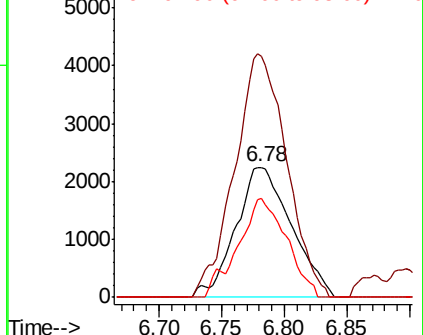
98 66.3 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 2.612 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

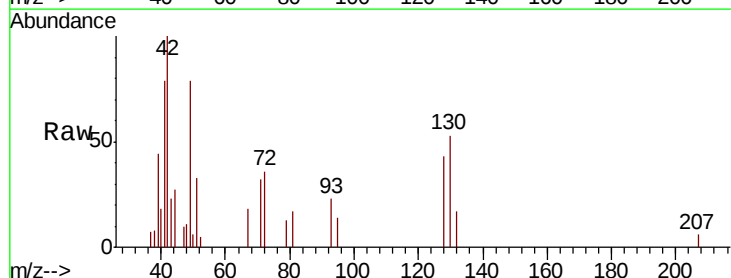
Tgt Ion: 49 Resp: 6331

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.8

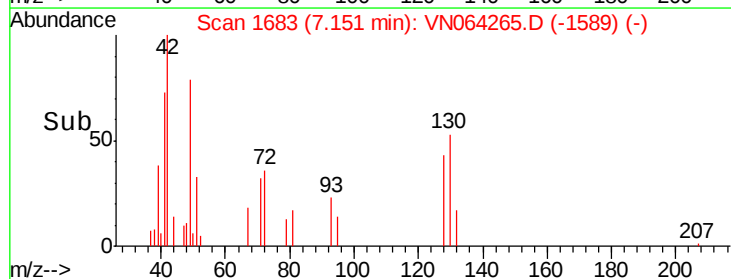
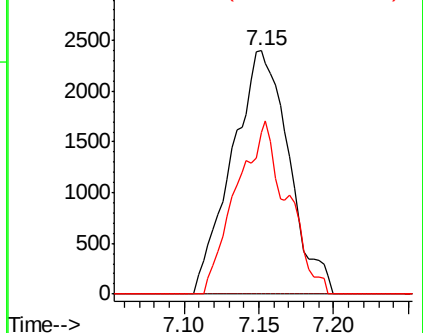
130 63.8 58.8 88.2

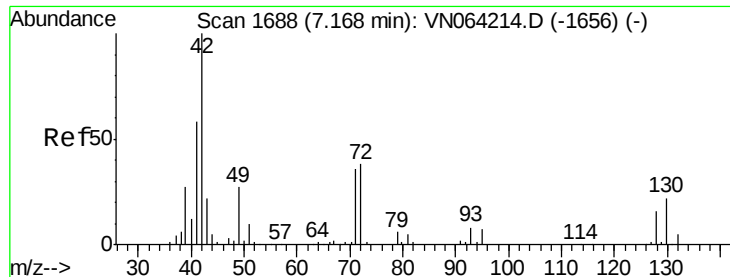


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 13.800 ug/l

RT: 7.17 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

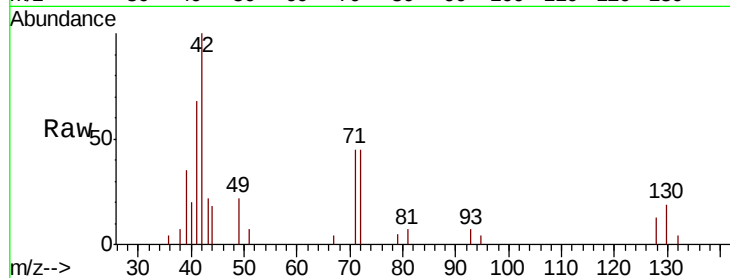
Tot Ion: 42 Resp: 14076

Ion Ratio Lower Upper

42 100

72 37.5 30.8 46.2

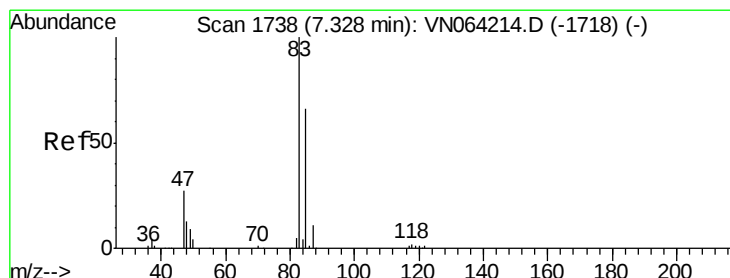
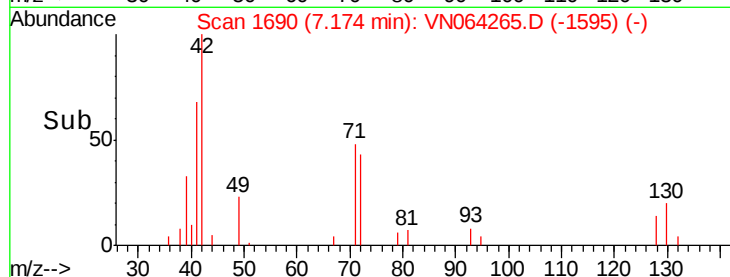
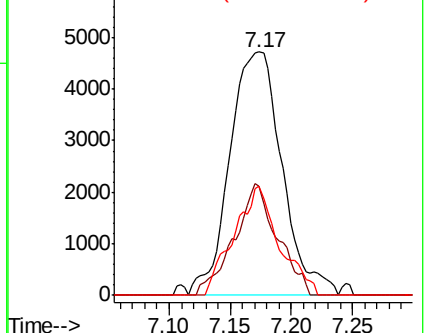
71 38.8 29.0 43.6



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 1.253 ug/l

RT: 7.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VN064265.D

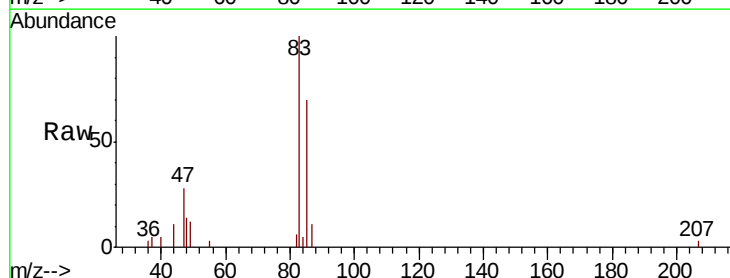
Acq: 22 Oct 2020 21:15

Tgt Ion: 83 Resp: 6821

Ion Ratio Lower Upper

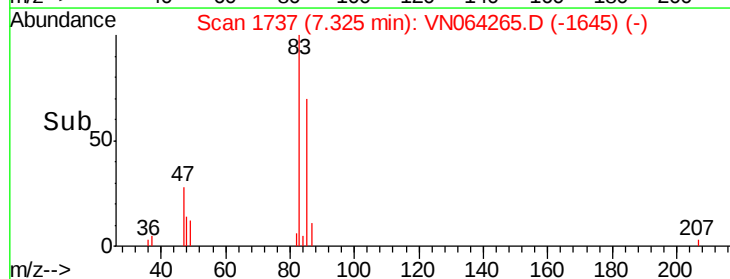
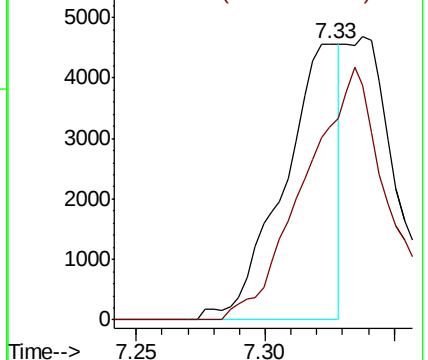
83 100

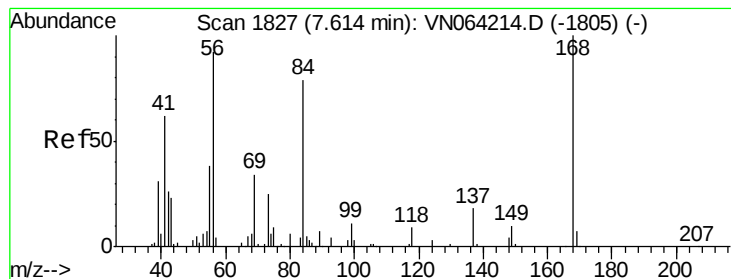
85 69.9 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 3.446 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

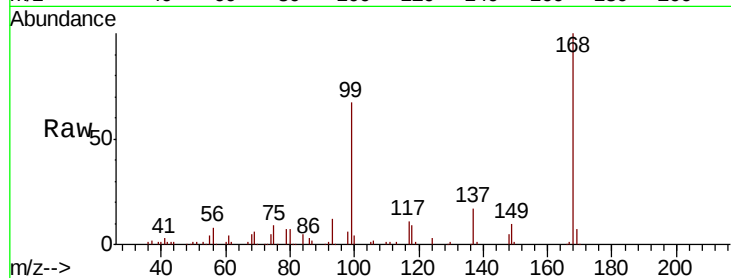
Tot Ion: 56 Resp: 15322

Ion Ratio Lower Upper

56 100

69 72.9 29.8 44.6#

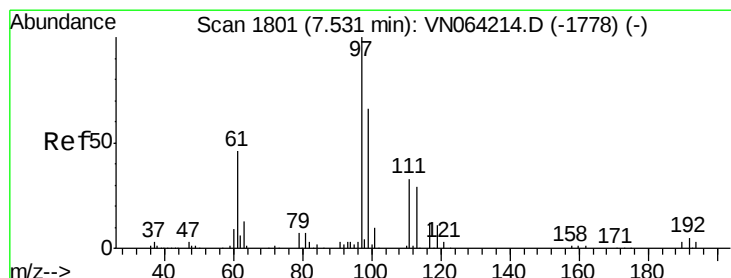
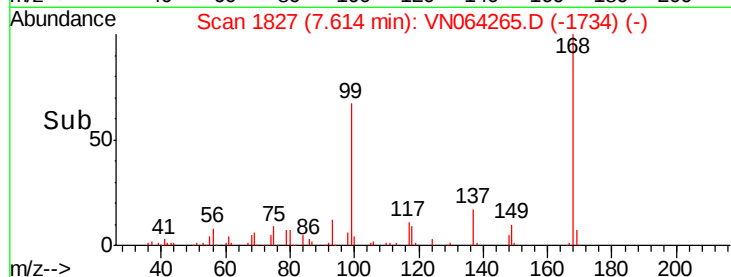
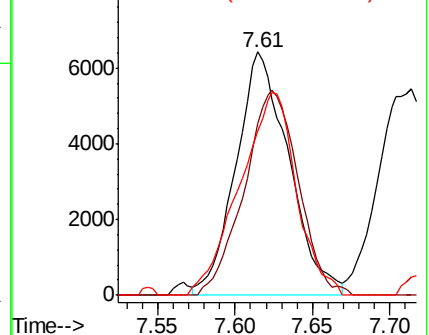
84 69.5 68.1 102.1



Abundance Ion 56.00 (55.70 to 56.70): VN064265.D (-1734) (-)

Ion 69.00 (68.70 to 69.70): VN064265.D (-1734) (-)

Ion 84.00 (83.70 to 84.70): VN064265.D (-1734) (-)



#32

1,1,1-Trichloroethane

Concen: 2.462 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

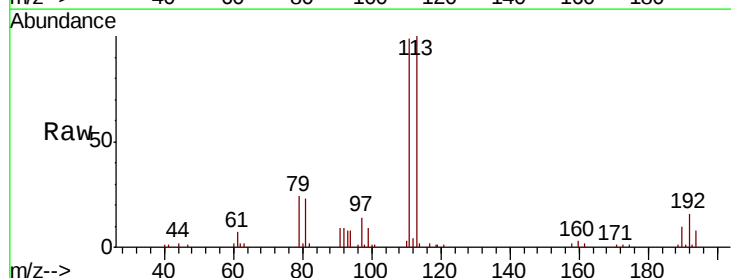
Tgt Ion: 97 Resp: 12554

Ion Ratio Lower Upper

97 100

99 67.9 51.2 76.8

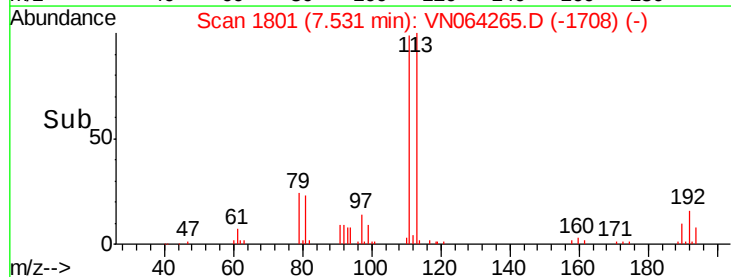
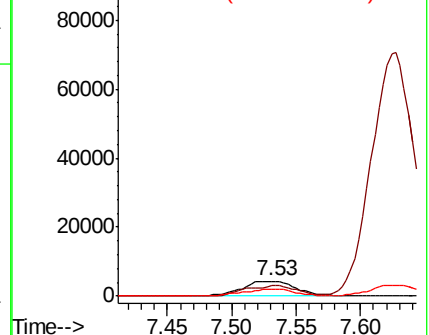
61 44.6 36.3 54.5

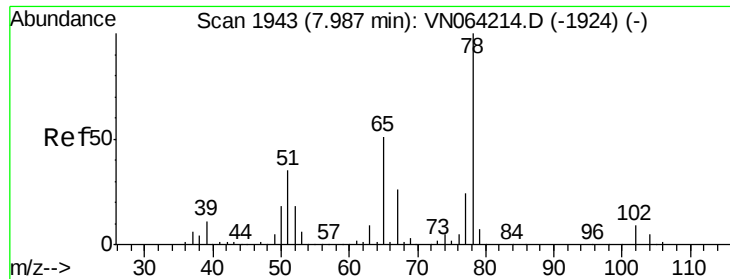


Abundance Ion 96.90 (96.60 to 97.60): VN064265.D (-1708) (-)

Ion 98.90 (98.60 to 99.60): VN064265.D (-1708) (-)

Ion 60.90 (60.60 to 61.60): VN064265.D (-1708) (-)





#33

1,2-Dichloroethane-d4

Concen: 54.179 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

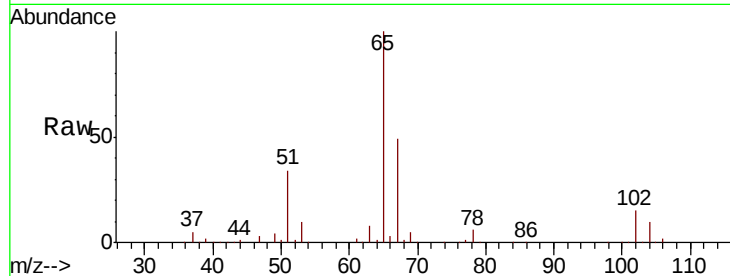
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 65 Resp: 203235

Ion Ratio Lower Upper

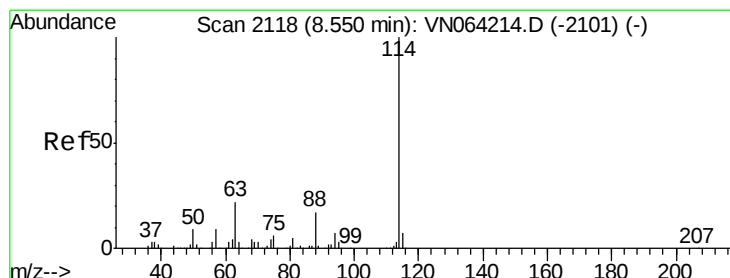
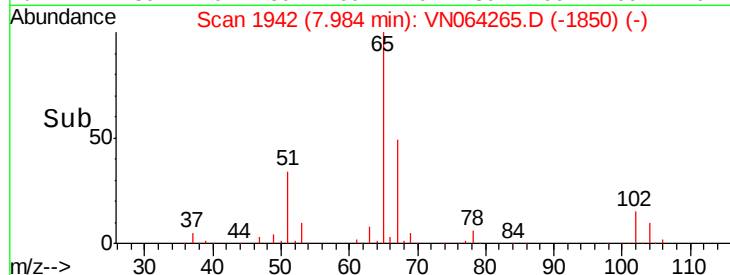
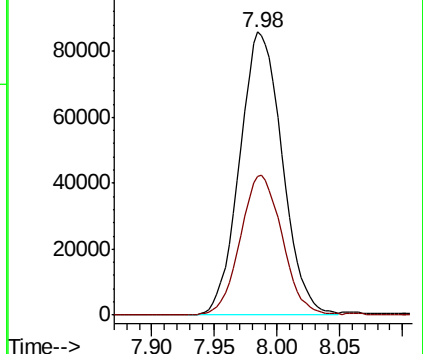
65 100

67 48.5 0.0 100.2



Abundance Ion 64.90 (64.60 to 65.60): VN064214.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN064214.D (-1924) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

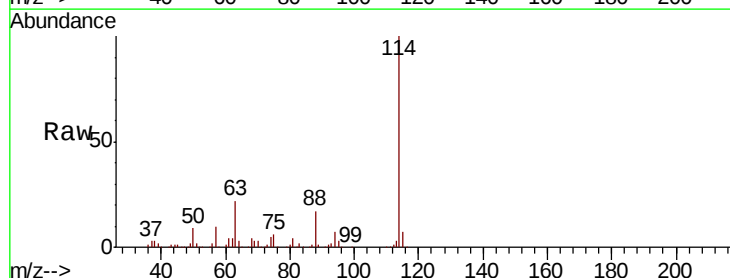
Tgt Ion: 114 Resp: 419787

Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.0

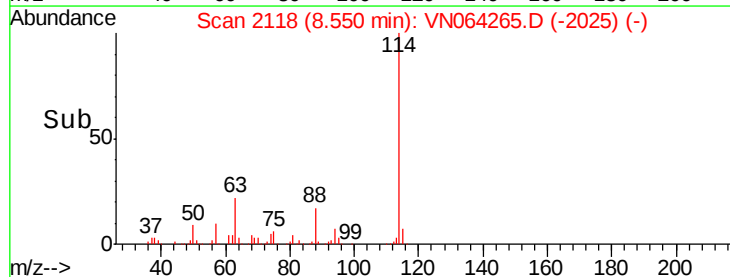
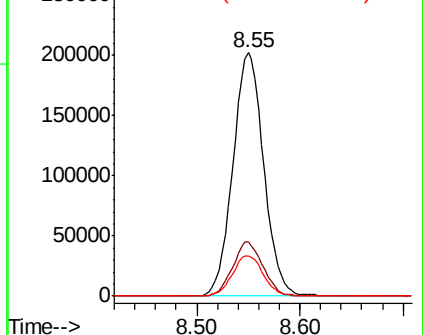
88 16.6 0.0 34.2

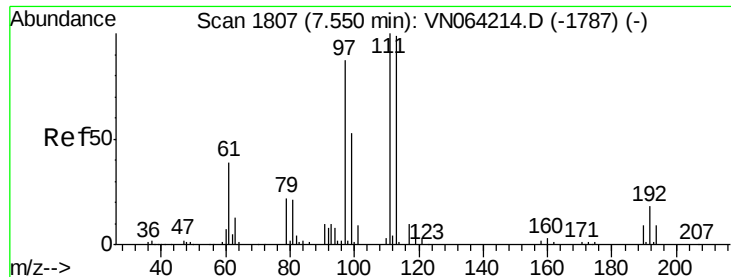


Abundance Ion 113.90 (113.60 to 114.60): VN064214.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN064214.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN064214.D (-2101) (-)

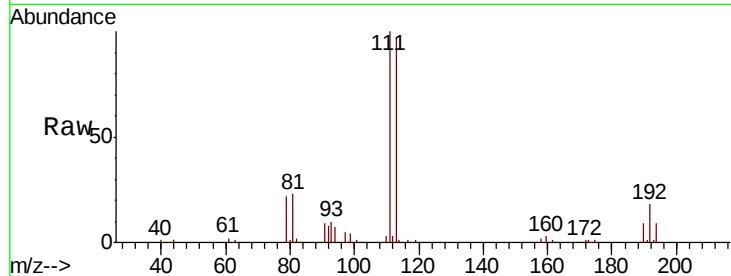




#35
Dibromofluoromethane
Concen: 49.718 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

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

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	84.2	126.2
192	18.8	15.2	22.8

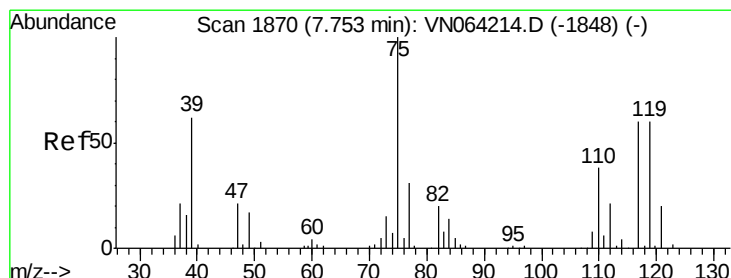
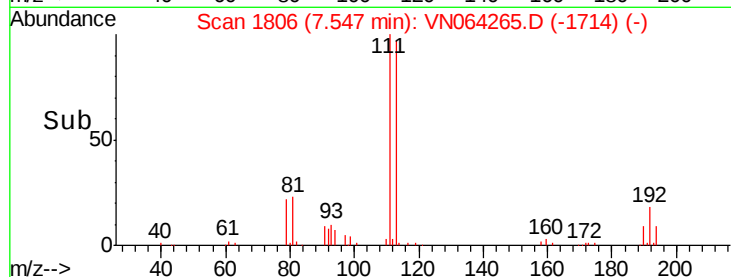
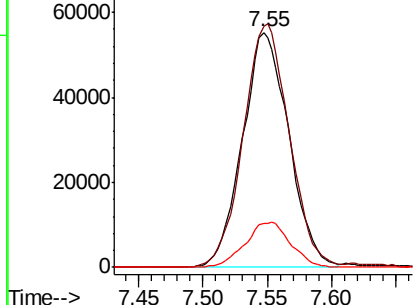


Abundance

Ion 112.80 (112.50 to 113.50): V

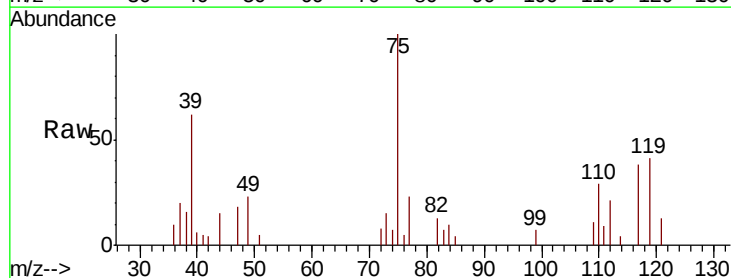
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 2.340 ug/l
RT: 7.76 min Scan# 1872
Delta R.T. 0.01 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.2	51.6
77	30.7	24.9	37.3

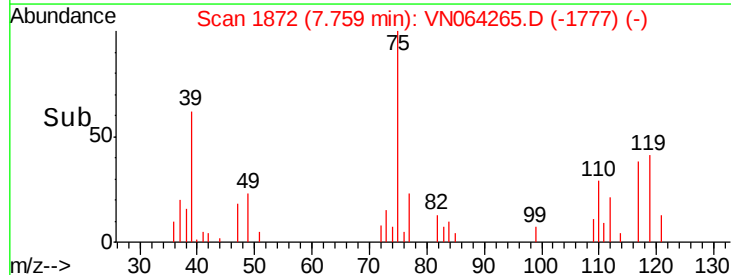
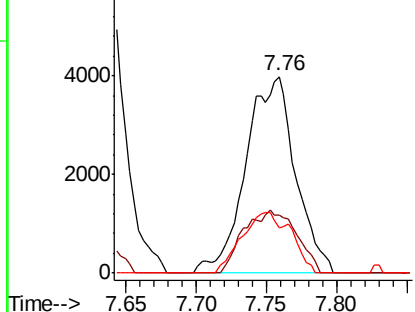


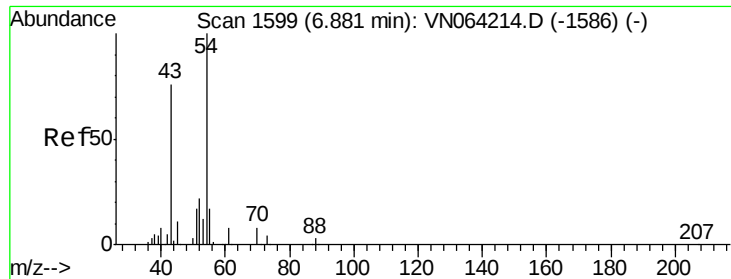
Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

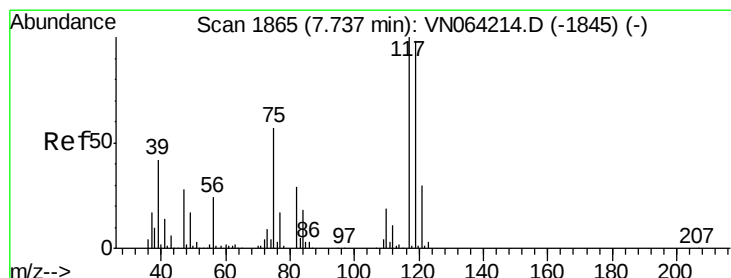
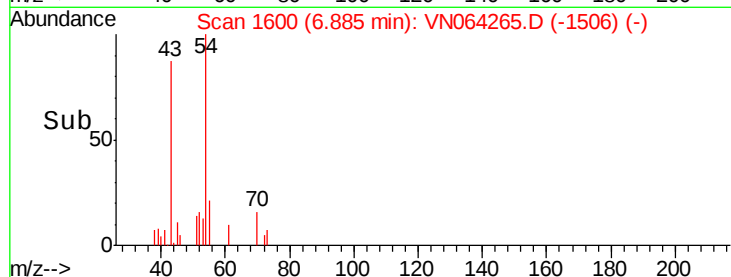
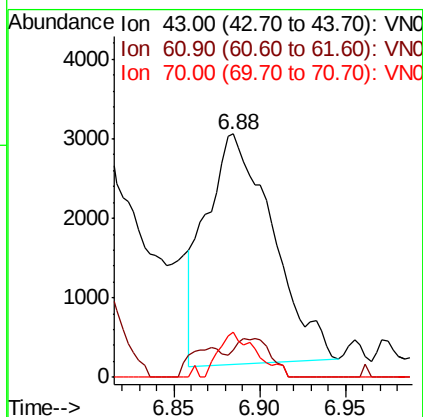
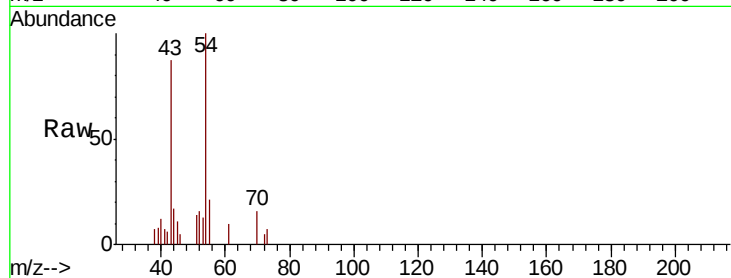




#37
Ethyl Acetate
Concen: 2.059 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

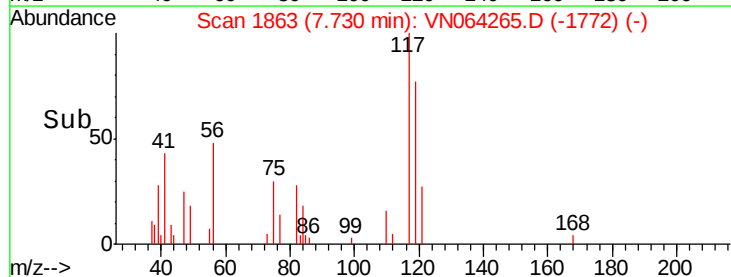
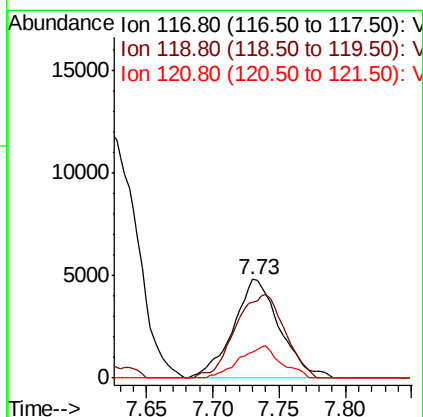
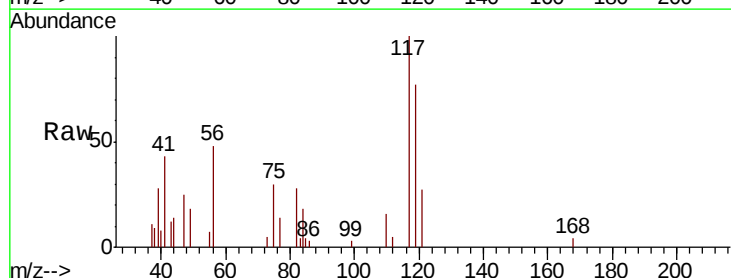
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

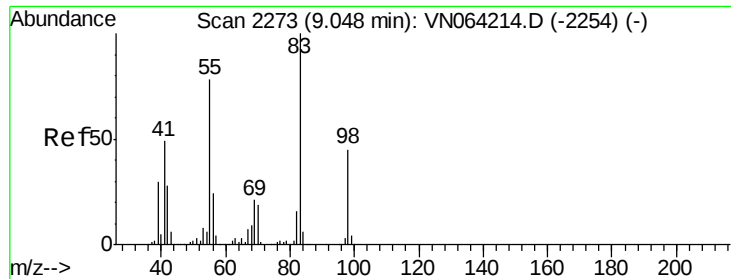
Tot Ion: 43 Resp: 7825
Ion Ratio Lower Upper
43 100
61 9.1 10.0 15.0#
70 11.3 7.5 11.3



#38
Carbon Tetrachloride
Concen: 2.474 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.01 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

Tgt Ion: 117 Resp: 11779
Ion Ratio Lower Upper
117 100
119 76.9 78.5 117.7#
121 26.7 24.3 36.5

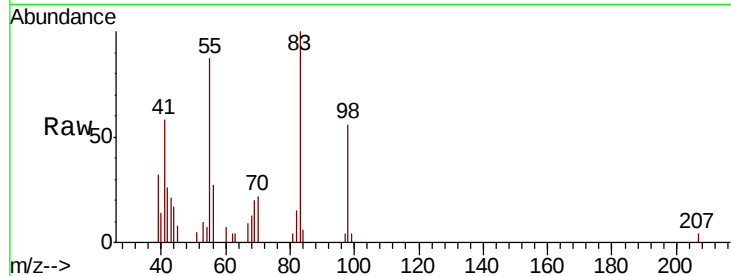




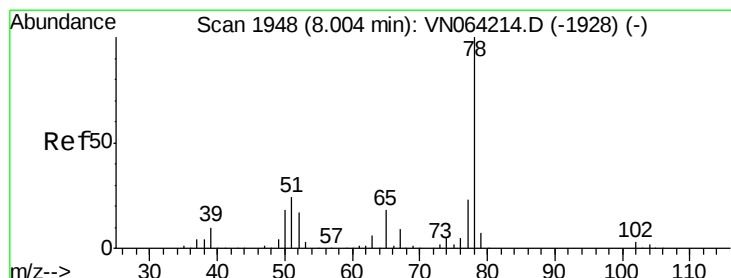
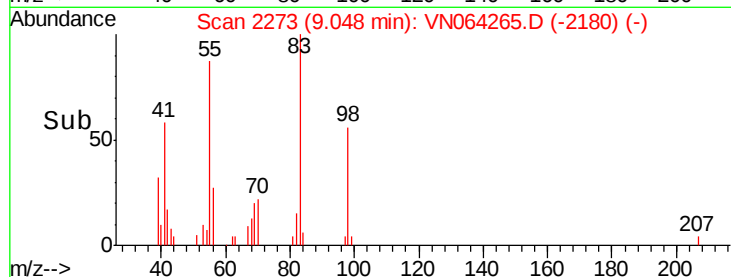
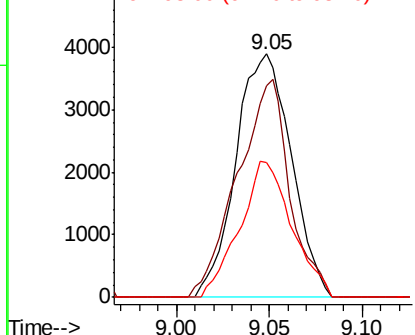
#39
Methvlcvclohexane
Concen: 2.129 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

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

Tot Ion: 83 Resp: 8103
Ion Ratio Lower Upper
83 100
55 86.7 62.2 93.2
98 55.6 35.9 53.9#

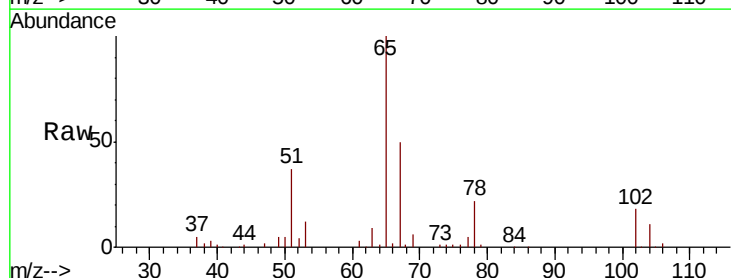


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

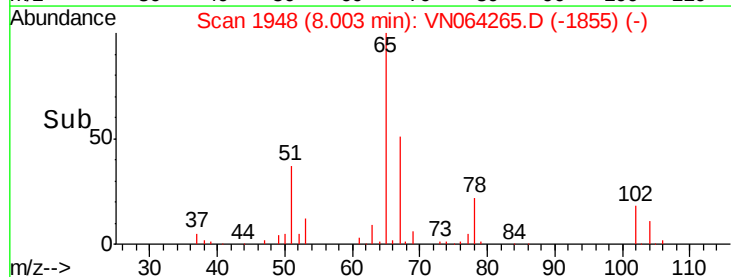
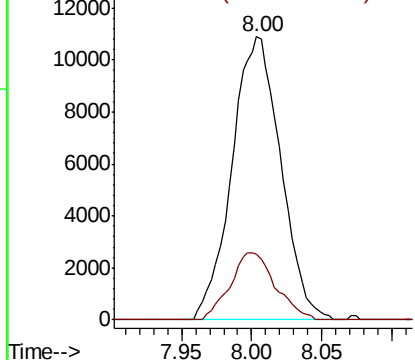


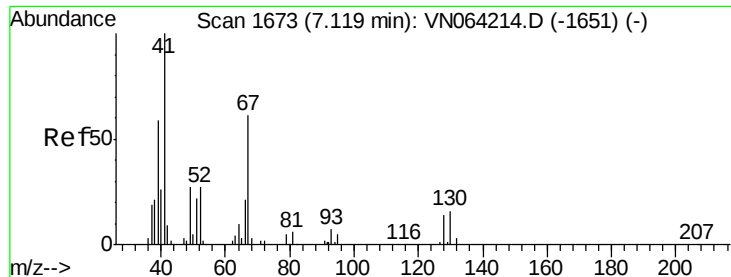
#40
Benzene
Concen: 2.279 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

Tgt Ion: 78 Resp: 26330
Ion Ratio Lower Upper
78 100
77 23.4 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

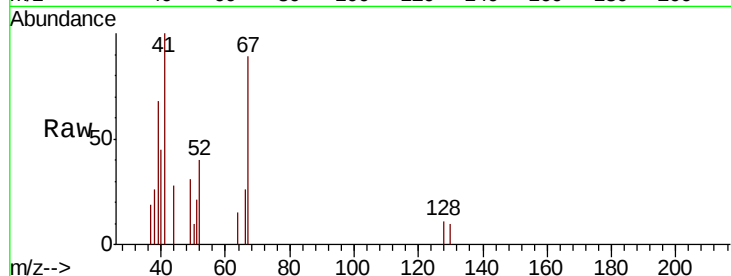




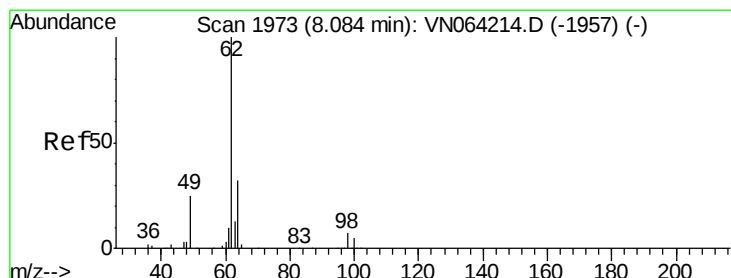
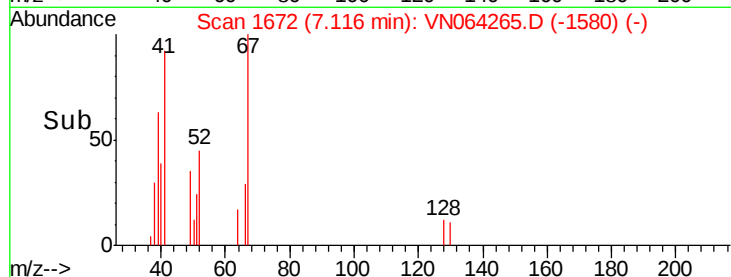
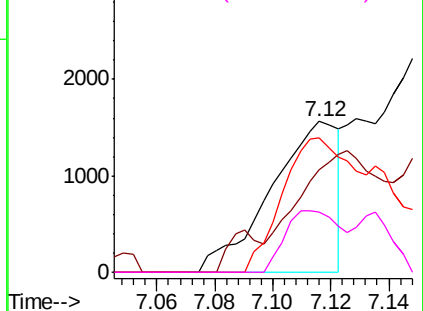
#41
Methacrylonitrile
Concen: 1.270 ug/l
RT: 7.12 min Scan# 1672
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

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

Tot Ion: 41 Resp: 2532
Ion Ratio Lower Upper
41 100
39 0.0 50.5 75.7#
67 145.9 63.2 94.8#
52 33.2 29.3 43.9

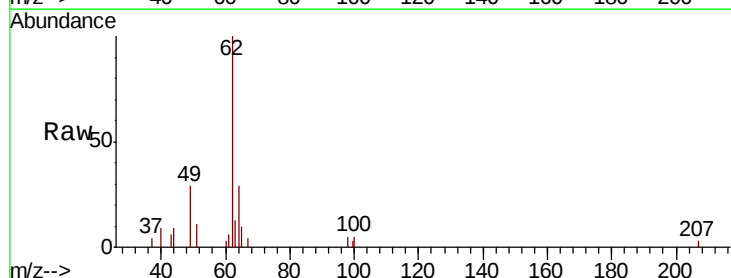


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

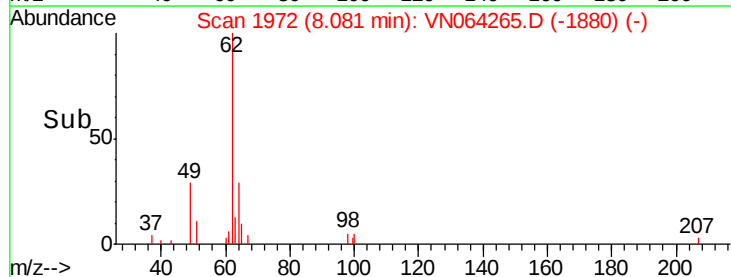
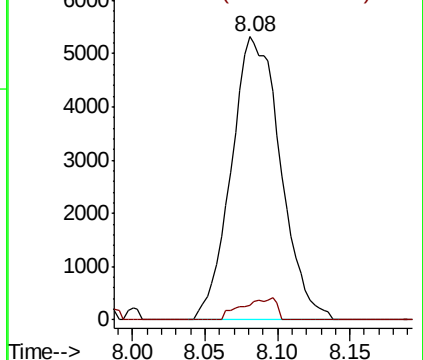


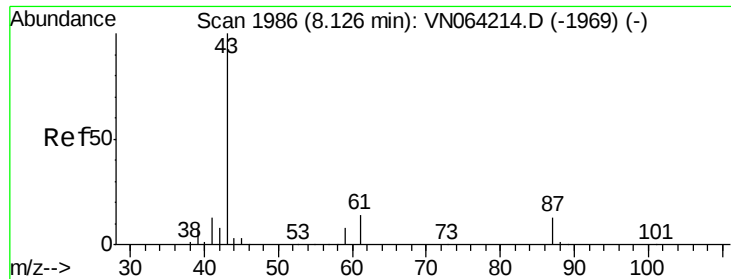
#42
1,2-Dichloroethane
Concen: 2.541 ug/l
RT: 8.08 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

Tgt Ion: 62 Resp: 12576
Ion Ratio Lower Upper
62 100
98 5.4 0.0 15.0



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





#43

Isopropyl Acetate

Concen: 2.552 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

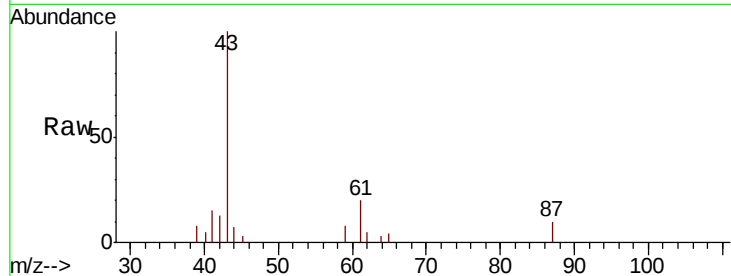
Tot Ion: 43 Resp: 18072

Ion Ratio Lower Upper

43 100

61 6.6 19.6 29.4#

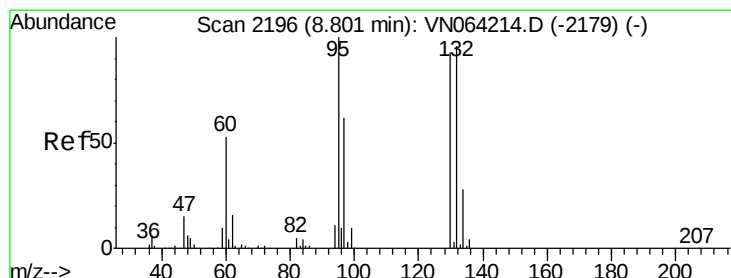
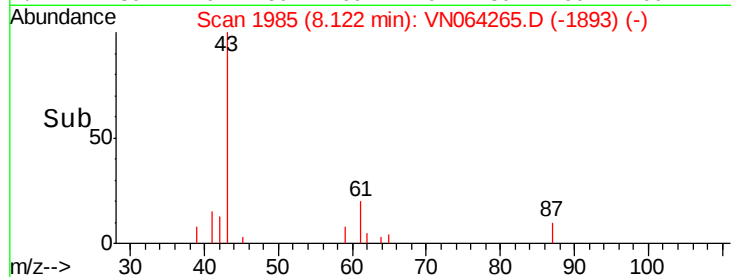
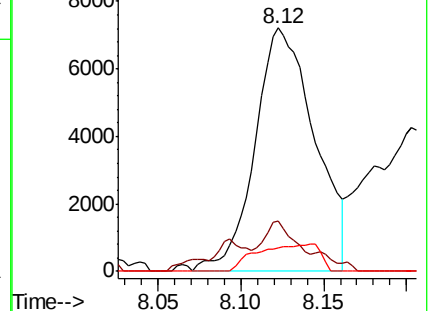
87 11.7 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN064214.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN064214.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN064214.D (-1969) (-)



#44

Trichloroethene

Concen: 2.418 ug/l

RT: 8.79 min Scan# 2194

Delta R.T. -0.01 min

Lab File: VN064265.D

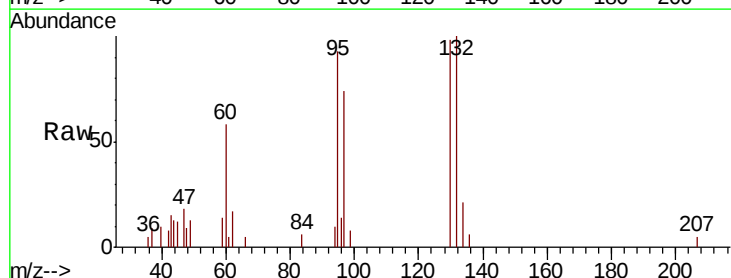
Acq: 22 Oct 2020 21:15

Tgt Ion:130 Resp: 7613

Ion Ratio Lower Upper

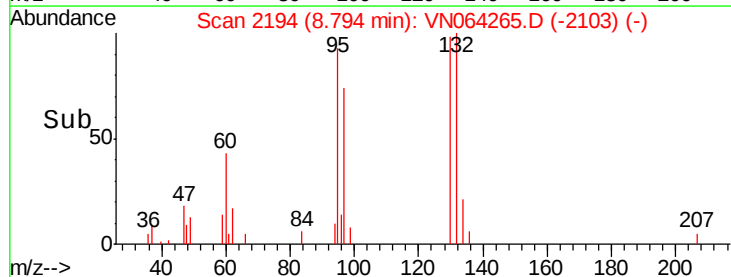
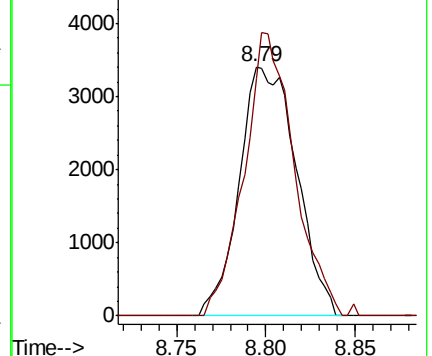
130 100

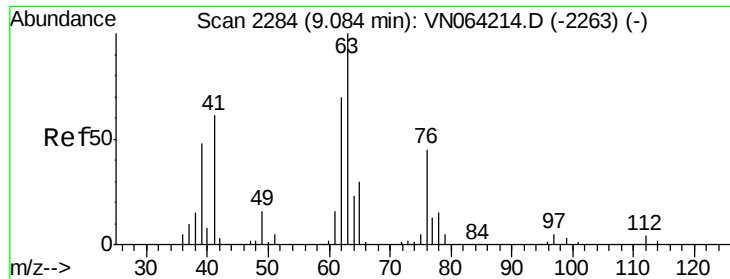
95 95.1 0.0 214.0



Abundance Ion 129.80 (129.50 to 130.50): VN064214.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN064214.D (-2179) (-)

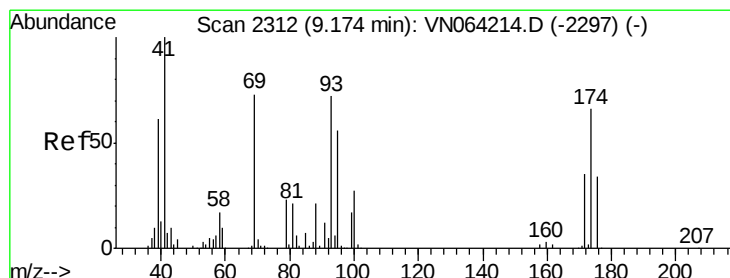
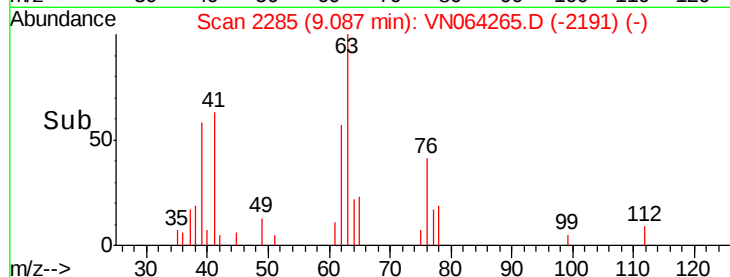
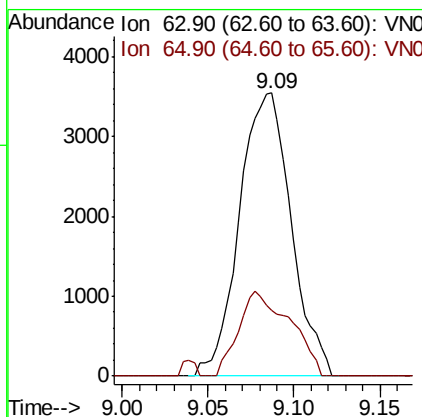
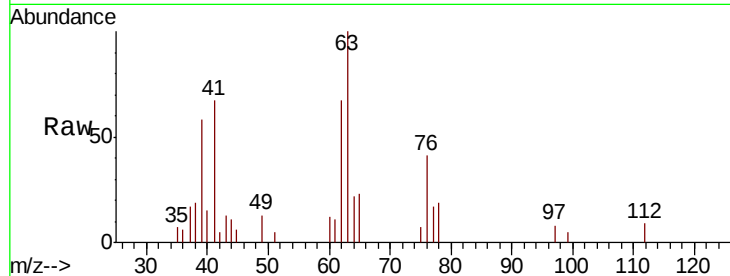




#45
 1,2-Dichloropropane
 Concen: 2.401 ug/l
 RT: 9.09 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN064265.D
 Acq: 22 Oct 2020 21:15

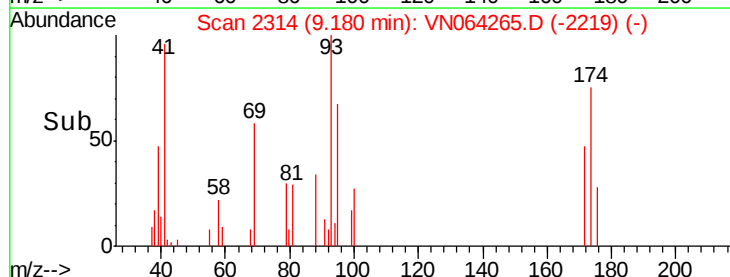
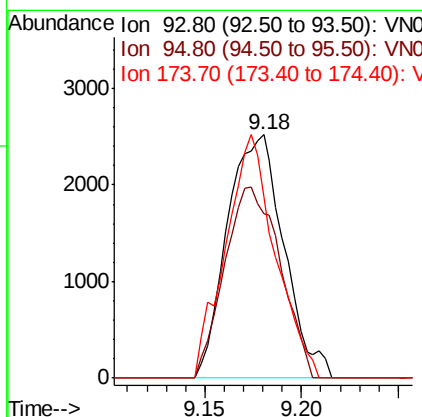
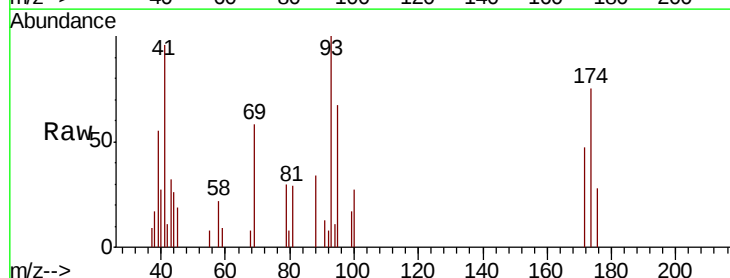
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

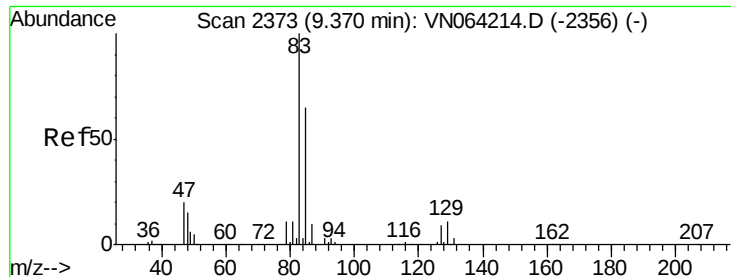
Tot Ion: 63 Resp: 7404
 Ion Ratio Lower Upper
 63 100
 65 23.1 24.0 36.0#



#46
 Dibromomethane
 Concen: 2.474 ug/l
 RT: 9.18 min Scan# 2314
 Delta R.T. 0.01 min
 Lab File: VN064265.D
 Acq: 22 Oct 2020 21:15

Tgt Ion: 93 Resp: 5123
 Ion Ratio Lower Upper
 93 100
 95 77.2 63.0 94.4
 174 87.4 72.9 109.3





#47

Bromodichloromethane

Concen: 2.335 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

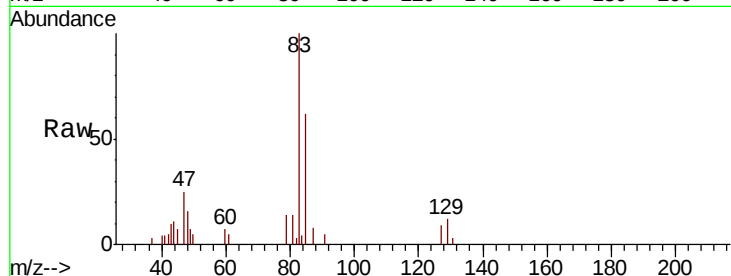
Tot Ion: 83 Resp: 10683

Ion Ratio Lower Upper

83 100

85 62.5 51.8 77.8

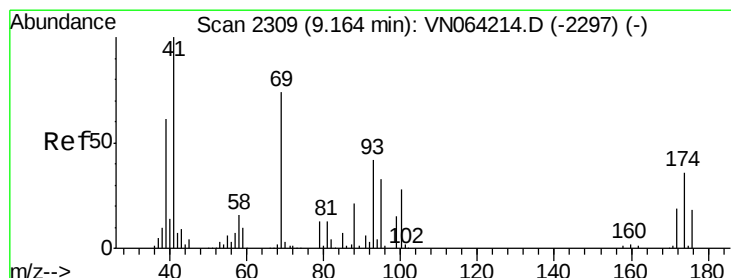
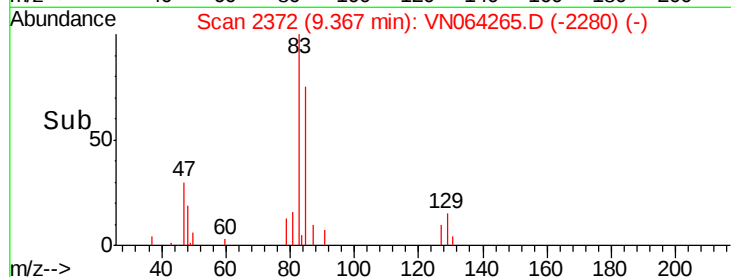
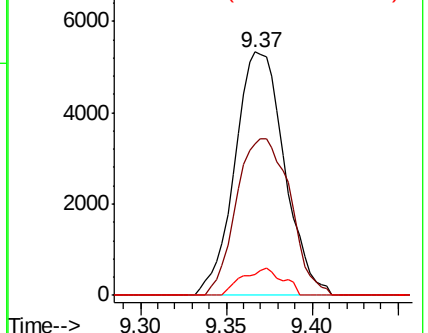
127 8.7 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN064214.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN064214.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN064214.D (-2356) (-)



#48

Methyl methacrylate

Concen: 2.418 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

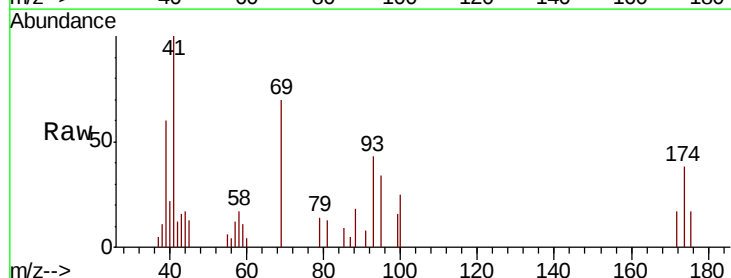
Tgt Ion: 41 Resp: 8944

Ion Ratio Lower Upper

41 100

69 63.6 57.3 85.9

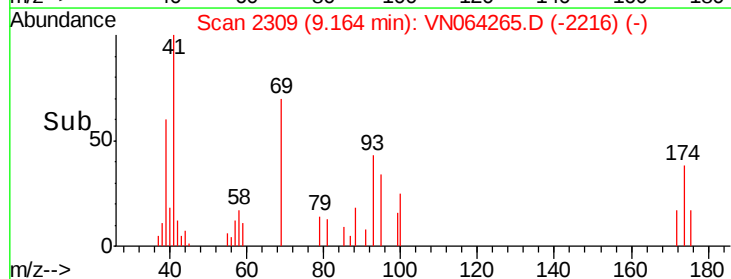
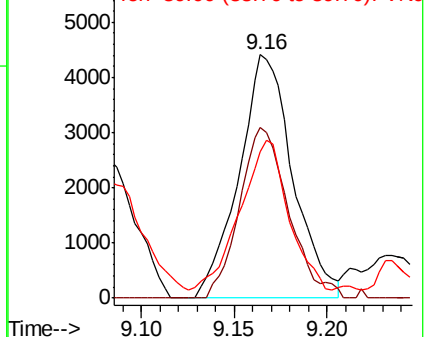
39 56.2 48.6 73.0

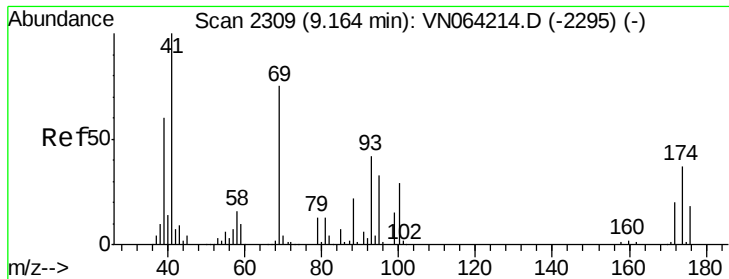


Abundance Ion 41.00 (40.70 to 41.70): VN064214.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN064214.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN064214.D (-2297) (-)

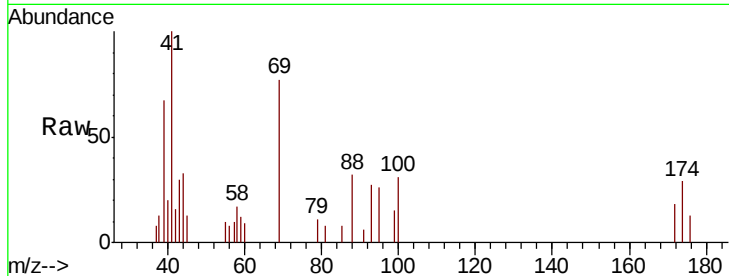




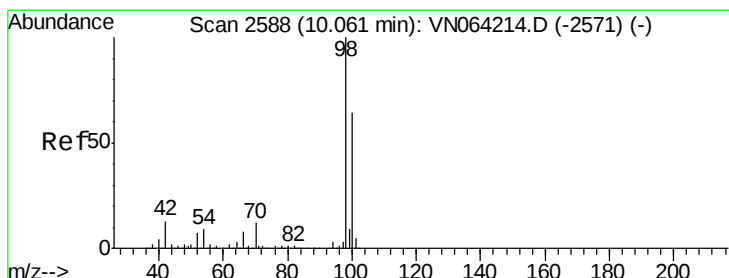
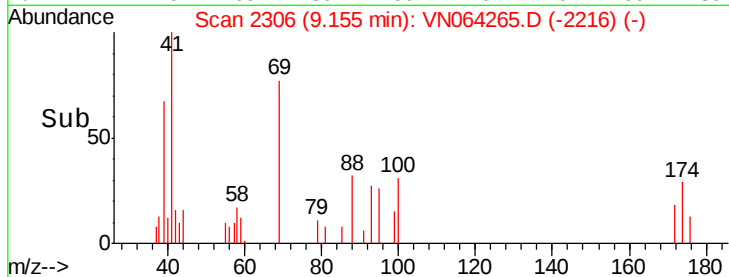
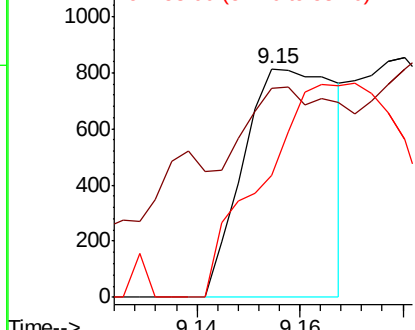
#49
1,4-Dioxane
Concen: 23.358 ug/l
RT: 9.15 min Scan# 2306
Delta R.T. -0.01 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

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

Tot Ion: 88 Resp: 1011
Ion Ratio Lower Upper
88 100
43 0.0 34.6 52.0#
58 158.9 59.0 88.6#

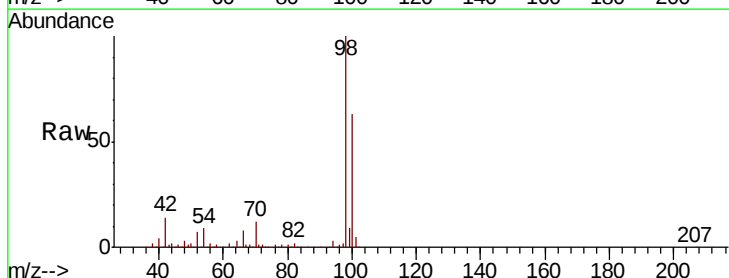


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

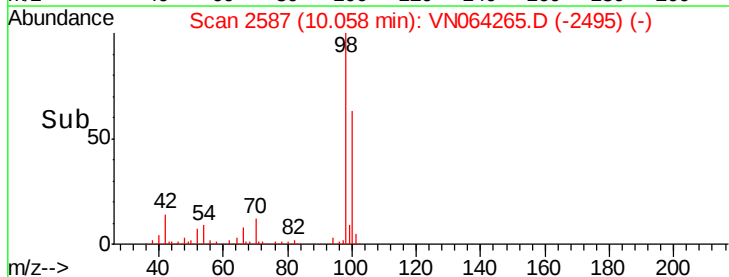
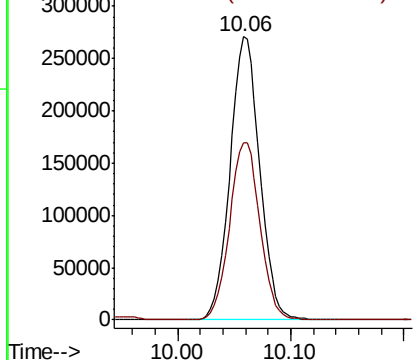


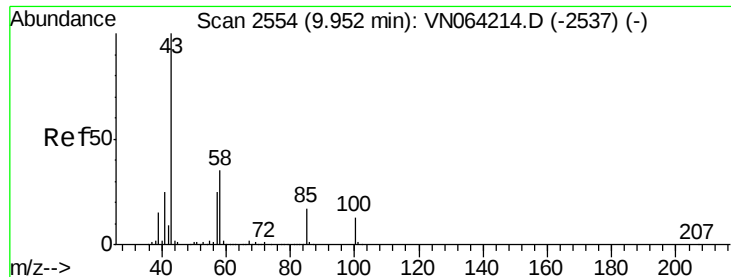
#50
Toluene-d8
Concen: 48.695 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

Tgt Ion: 98 Resp: 492993
Ion Ratio Lower Upper
98 100
100 64.3 50.8 76.2



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

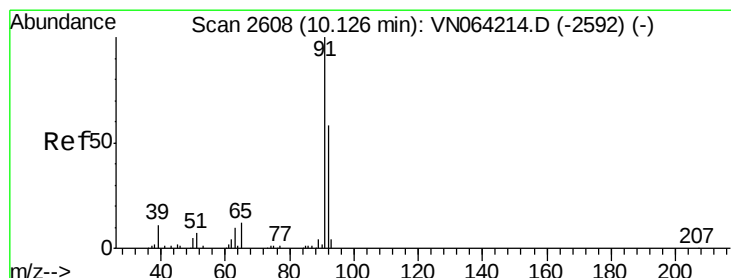
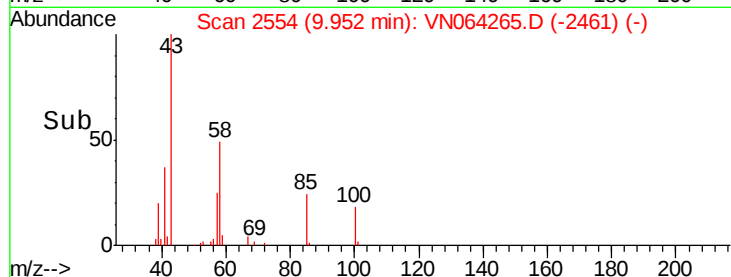
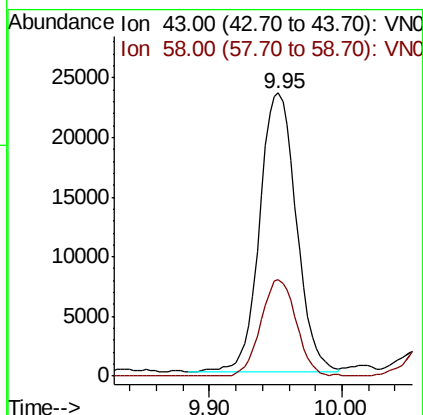
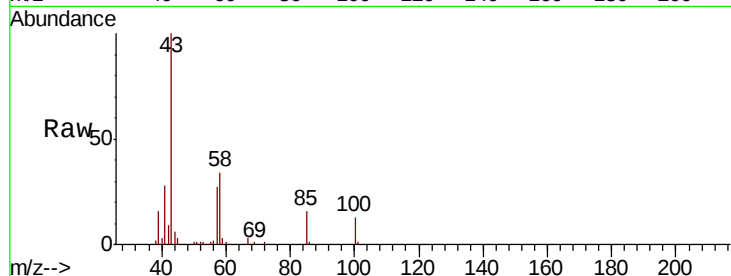




#51
 4-Methyl-2-Pentanone
 Concen: 11.911 ug/l
 RT: 9.95 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN064265.D
 Acq: 22 Oct 2020 21:15

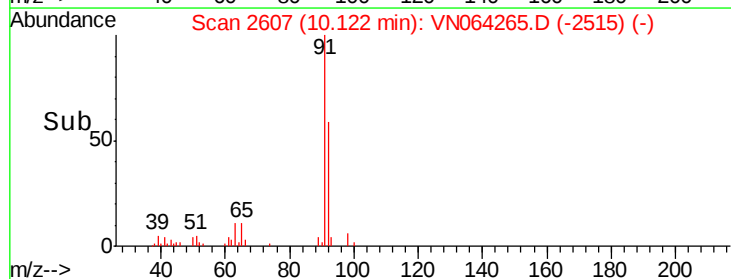
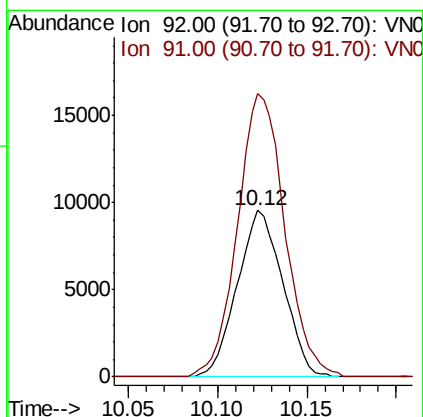
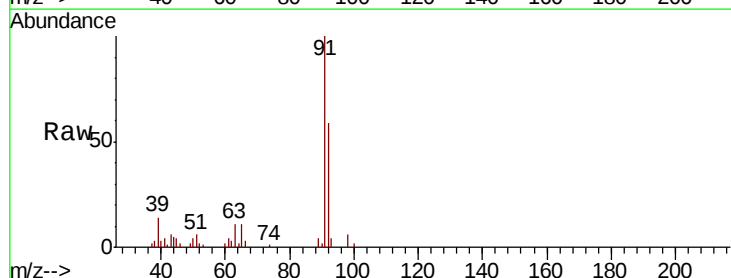
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

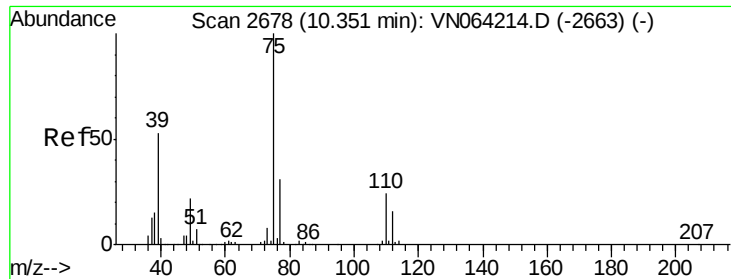
Tot Ion: 43 Resp: 45078
 Ion Ratio Lower Upper
 43 100
 58 33.2 28.6 42.8



#52
 Toluene
 Concen: 2.299 ug/l
 RT: 10.12 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN064265.D
 Acq: 22 Oct 2020 21:15

Tgt Ion: 92 Resp: 16991
 Ion Ratio Lower Upper
 92 100
 91 175.9 137.4 206.2

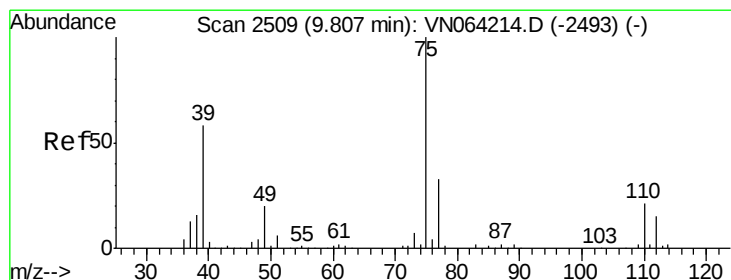
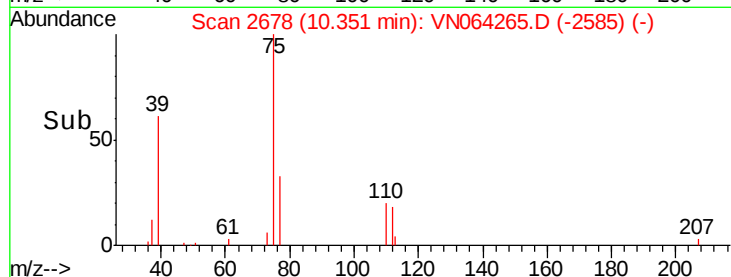
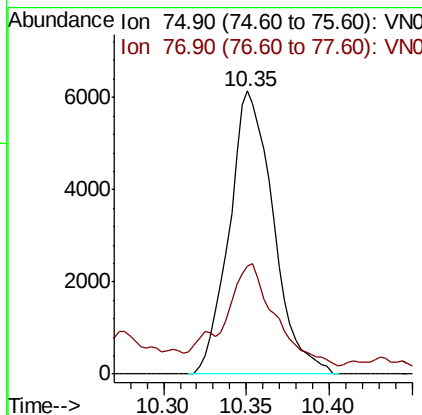
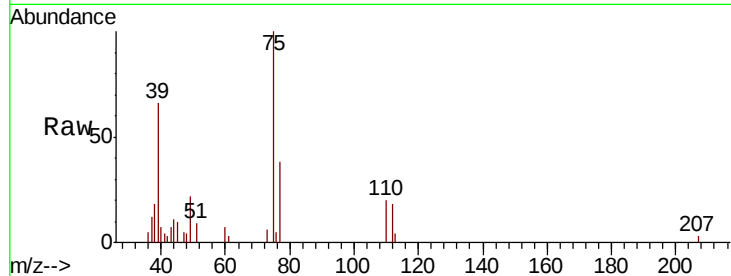




#53
t-1,3-Dichloropropene
Concen: 2.239 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

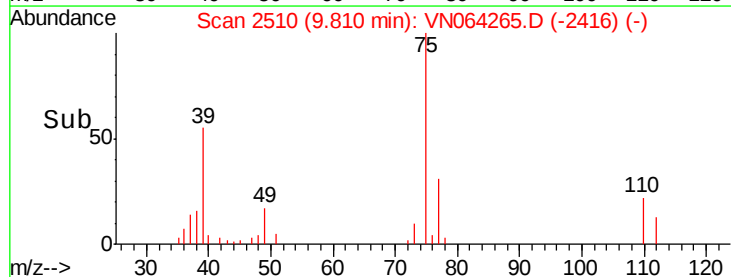
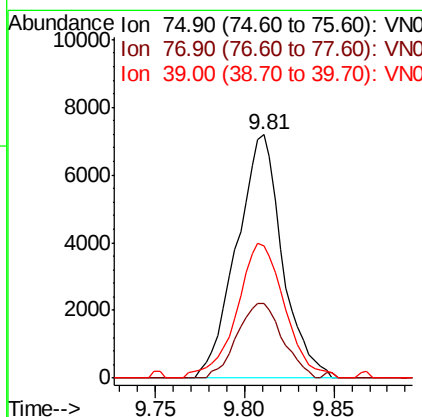
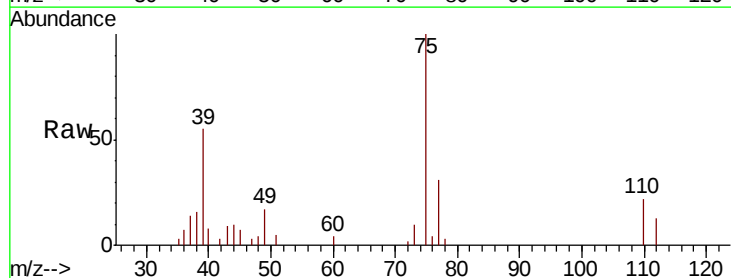
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

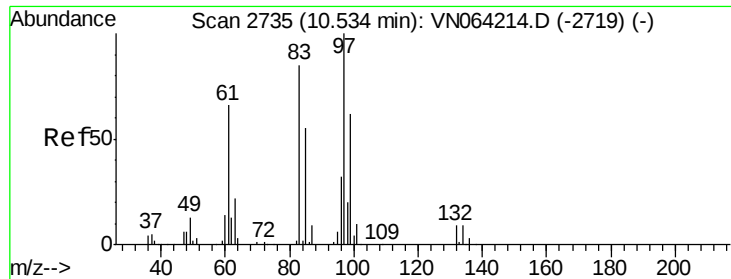
Tot Ion: 75 Resp: 11382
Ion Ratio Lower Upper
75 100
77 35.5 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 2.389 ug/l
RT: 9.81 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

Tgt Ion: 75 Resp: 12786
Ion Ratio Lower Upper
75 100
77 30.8 26.6 39.8
39 54.5 46.7 70.1



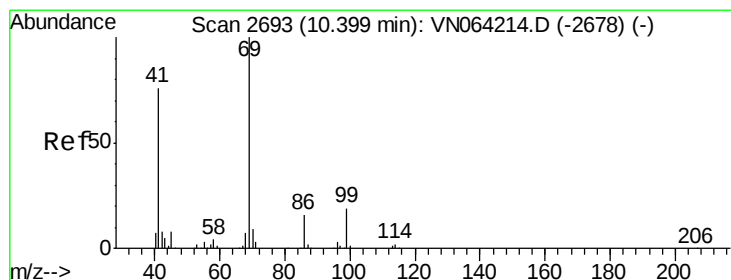
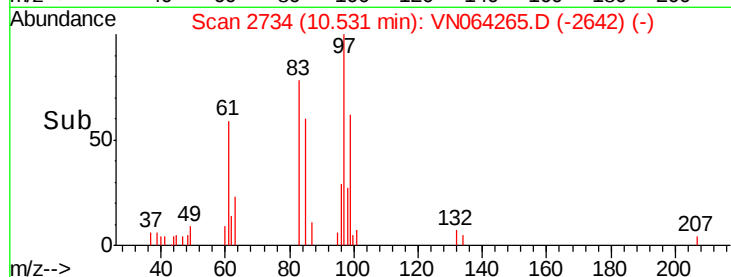
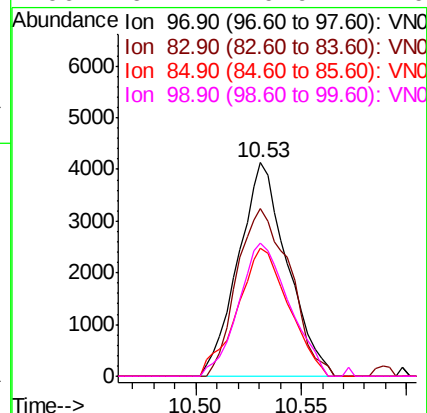
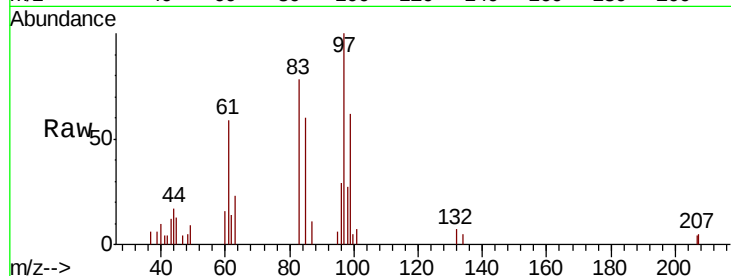


#55
 1,1,2-Trichloroethane
 Concen: 2.390 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064265.D
 Acq: 22 Oct 2020 21:15

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

Tot Ion: 97 Resp: 6673

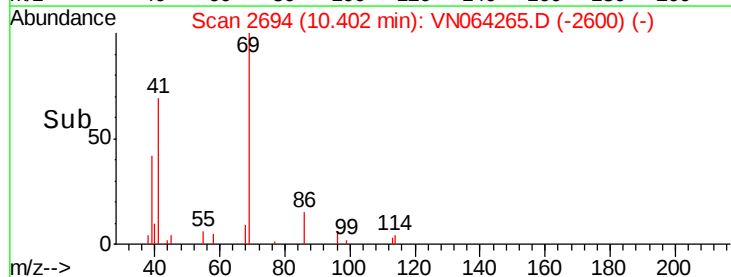
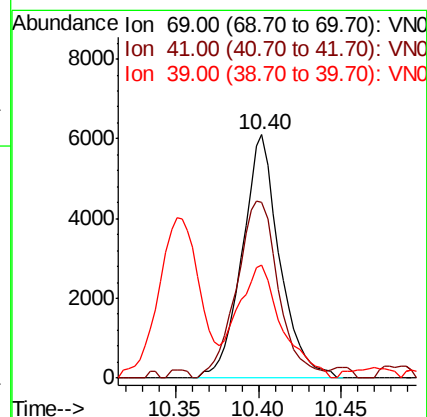
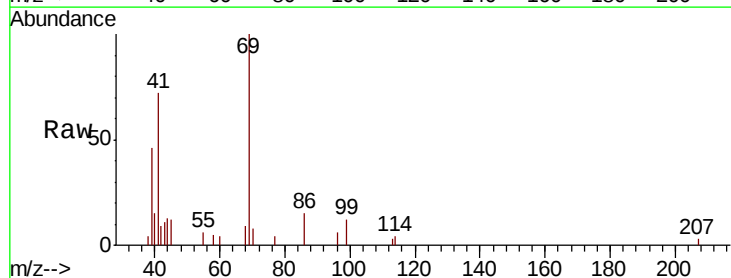
Ion	Ratio	Lower	Upper
97	100		
83	78.3	67.8	101.6
85	60.2	43.6	65.4
99	62.4	49.9	74.9

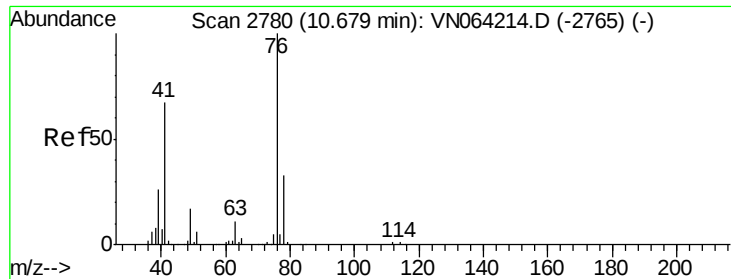


#56
 Ethyl methacrylate
 Concen: 2.217 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN064265.D
 Acq: 22 Oct 2020 21:15

Tgt Ion: 69 Resp: 9569

Ion	Ratio	Lower	Upper
69	100		
41	81.8	61.4	92.2
39	54.8	36.0	54.0#





#57

1,3-Dichloropropane

Concen: 2.288 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

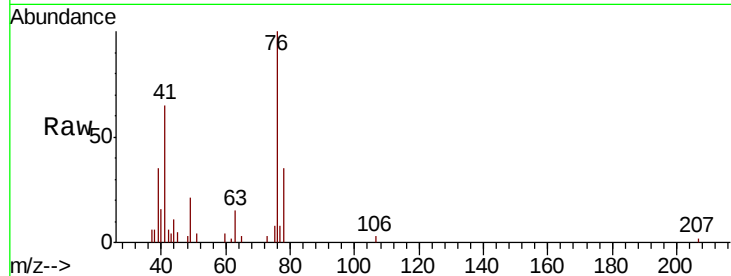
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 76 Resp: 11095

Ion Ratio Lower Upper

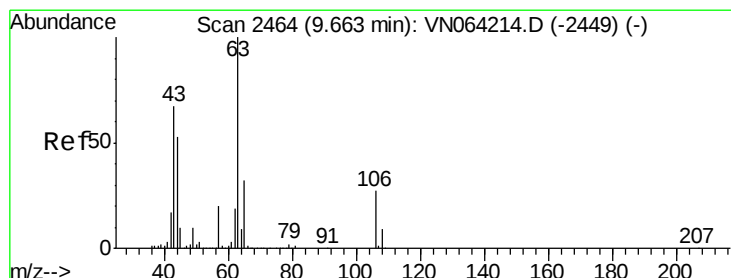
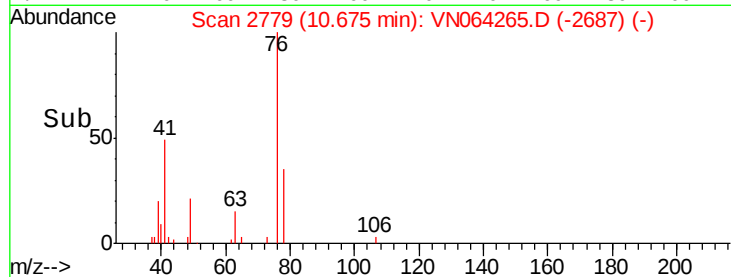
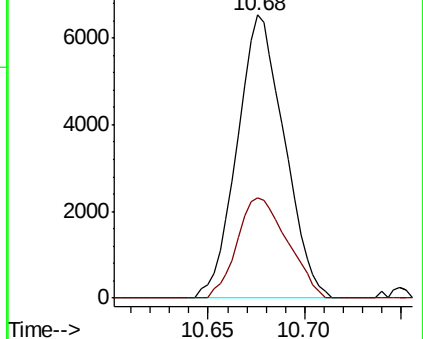
76 100

78 37.7 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN064214.D (-2765) (-)

Ion 77.90 (77.60 to 78.60): VN064214.D (-2765) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 10.918 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN064265.D

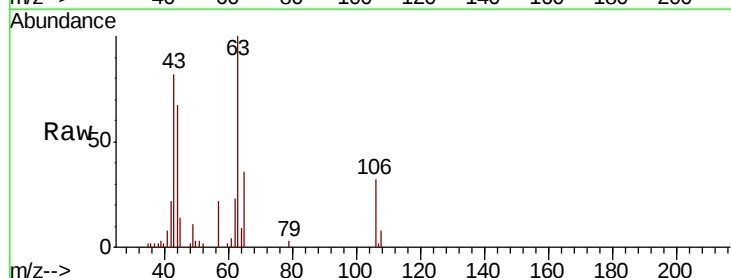
Acq: 22 Oct 2020 21:15

Tgt Ion: 63 Resp: 24270

Ion Ratio Lower Upper

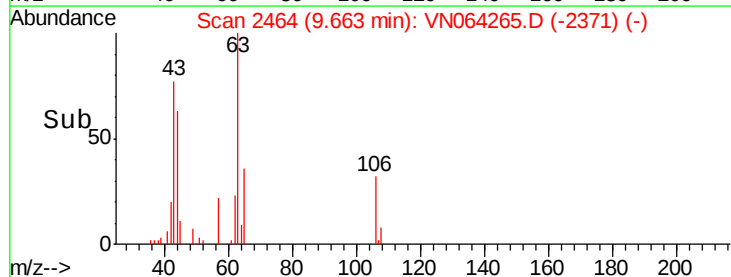
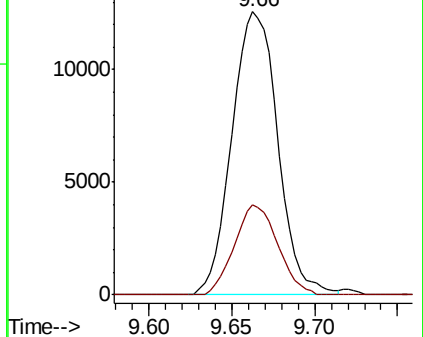
63 100

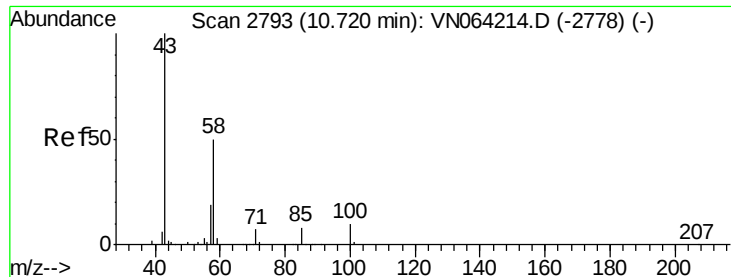
106 29.8 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VN064214.D (-2449) (-)

Ion 105.90 (105.60 to 106.60): VN064214.D (-2449) (-)

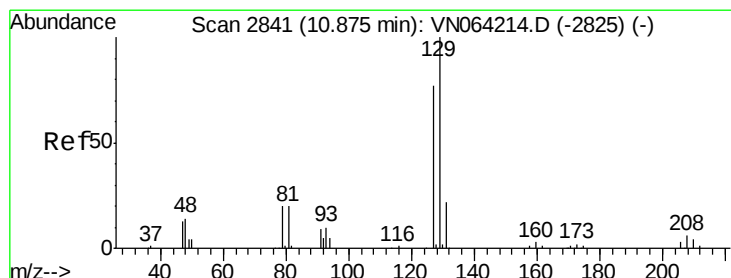
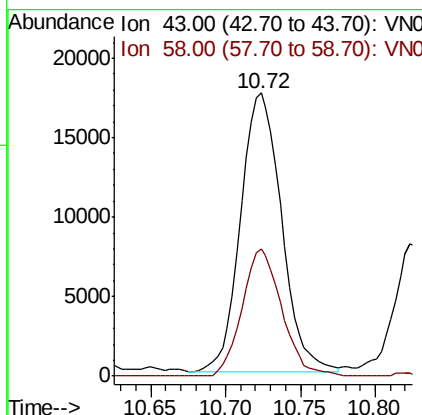
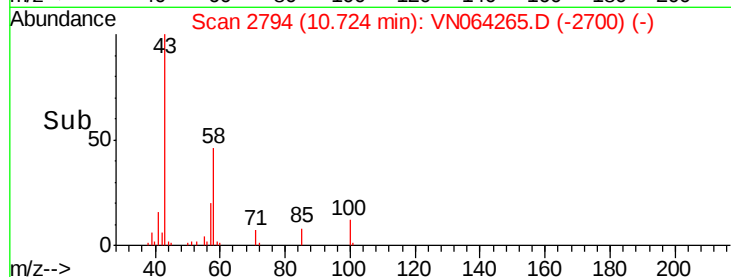
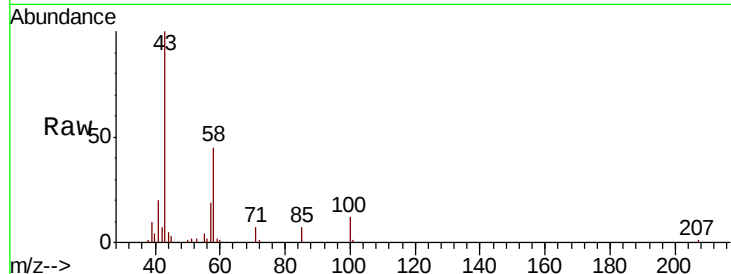




#59
2-Hexanone
Concen: 12.081 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

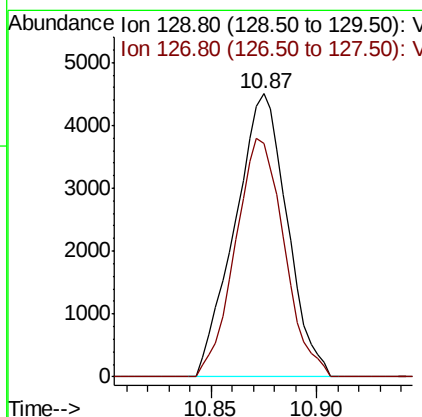
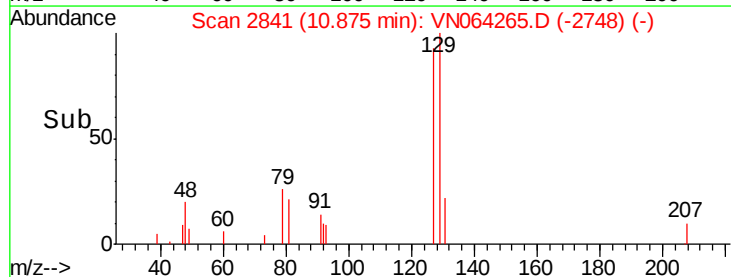
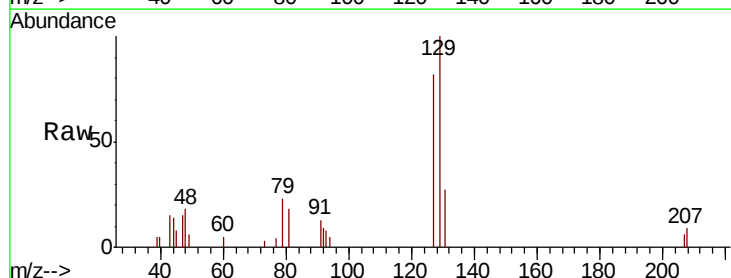
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

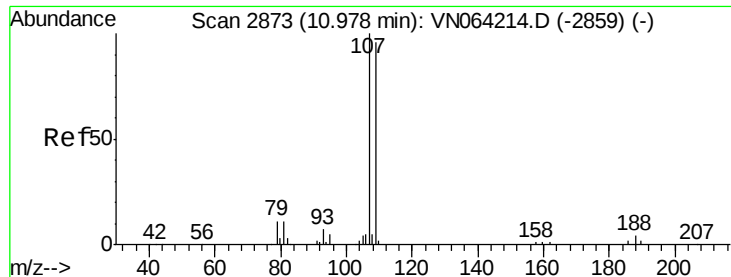
Tot Ion: 43 Resp: 33393
Ion Ratio Lower Upper
43 100
58 44.2 24.8 74.3



#60
Dibromochloromethane
Concen: 2.140 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

Tgt Ion: 129 Resp: 7734
Ion Ratio Lower Upper
129 100
127 79.1 38.8 116.3

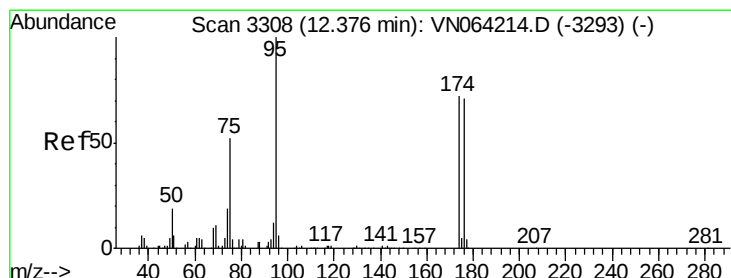
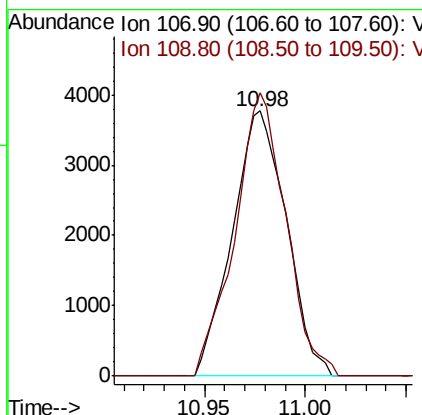
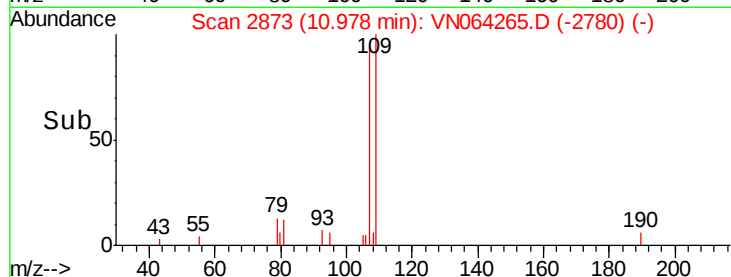
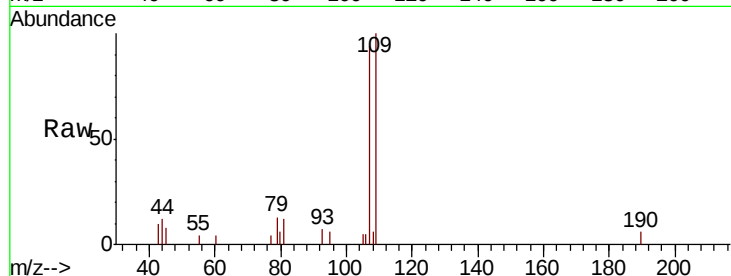




#61
 1,2-Dibromoethane
 Concen: 2.396 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN064265.D
 Acq: 22 Oct 2020 21:15

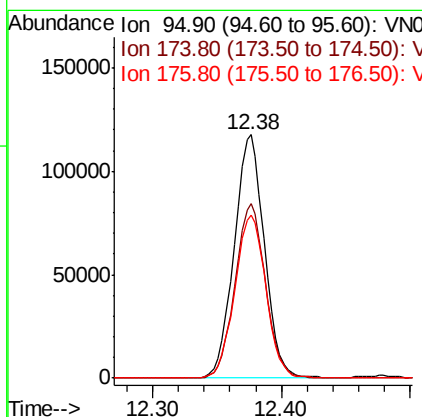
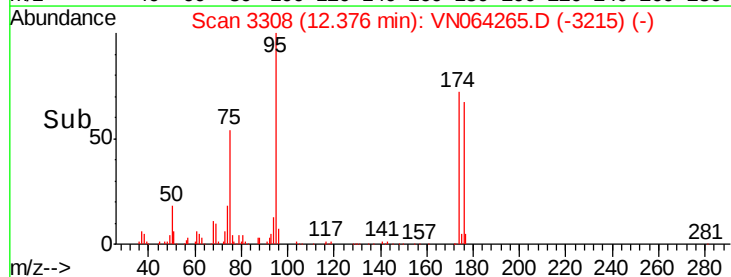
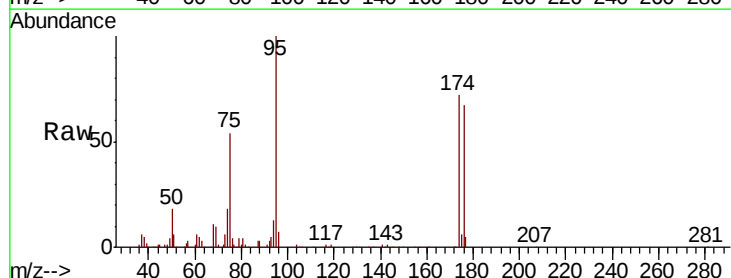
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

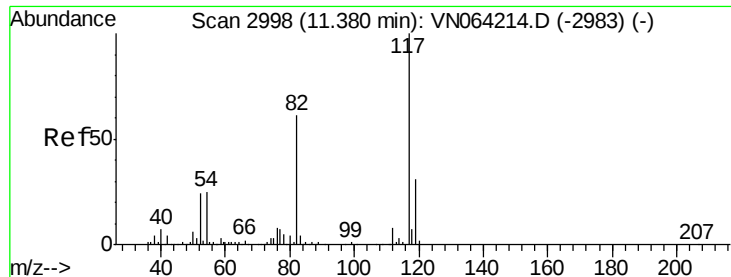
Tot Ion: 107 Resp: 7059
 Ion Ratio Lower Upper
 107 100
 109 100.6 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 46.556 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN064265.D
 Acq: 22 Oct 2020 21:15

Tgt Ion: 95 Resp: 191078
 Ion Ratio Lower Upper
 95 100
 174 72.4 0.0 144.4
 176 69.0 0.0 139.2

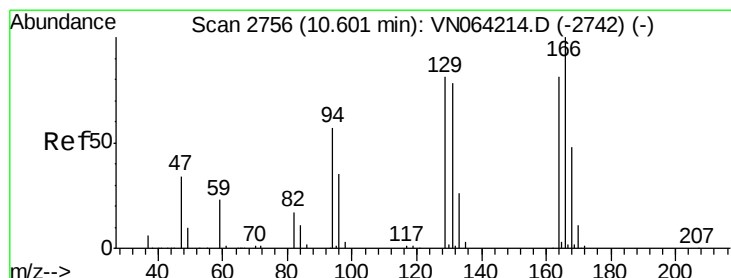
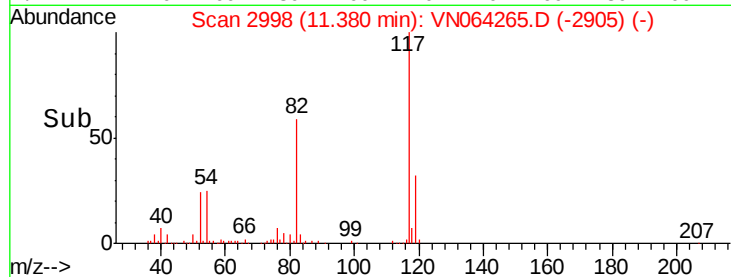
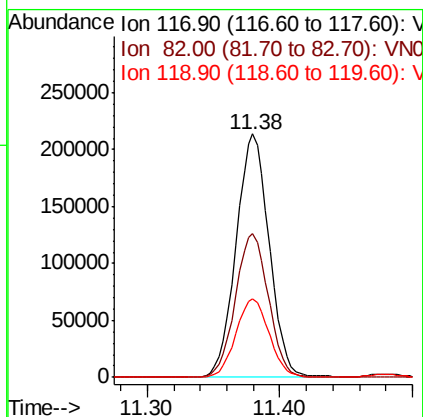
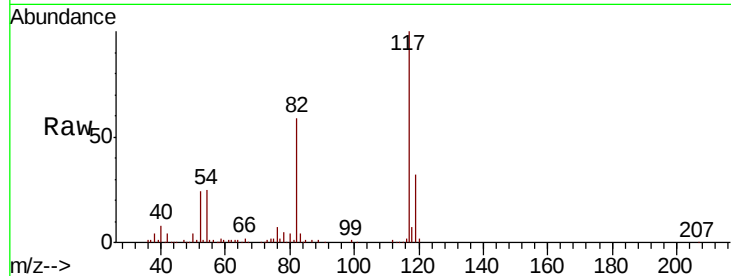




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

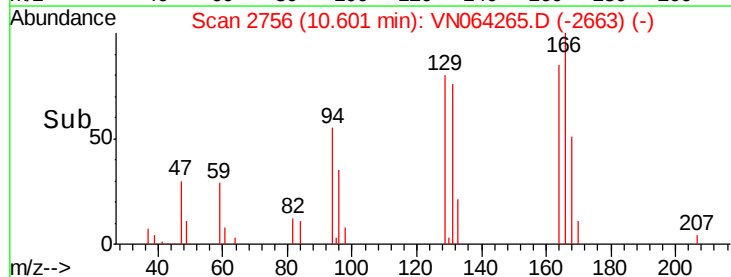
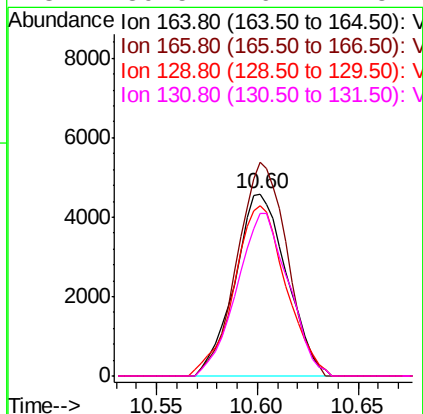
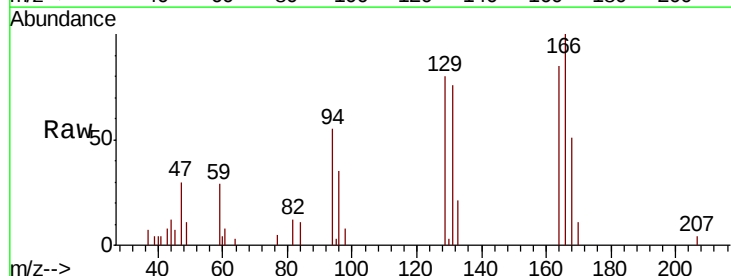
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

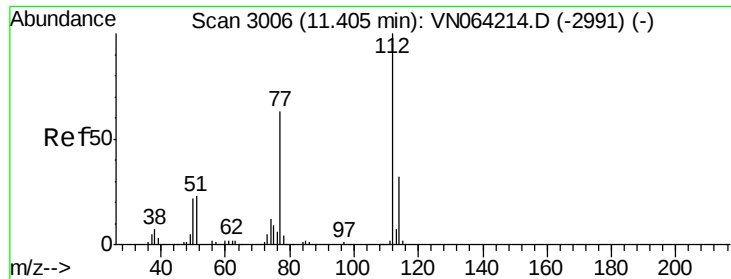
Tot Ion:117 Resp: 369843
Ion Ratio Lower Upper
117 100
82 59.1 48.8 73.2
119 32.1 24.7 37.1



#64
Tetrachloroethene
Concen: 2.762 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

Tgt Ion:164 Resp: 8225
Ion Ratio Lower Upper
164 100
166 117.4 98.9 148.3
129 93.4 79.9 119.9
131 89.5 76.7 115.1





#65

Chlorobenzene

Concen: 2.372 ug/l

RT: 11.40 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

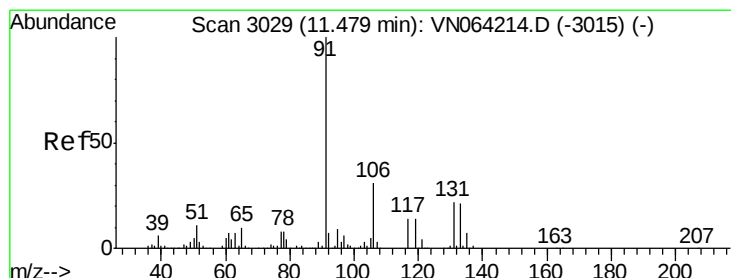
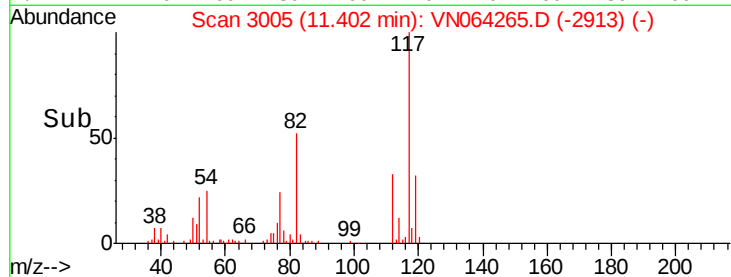
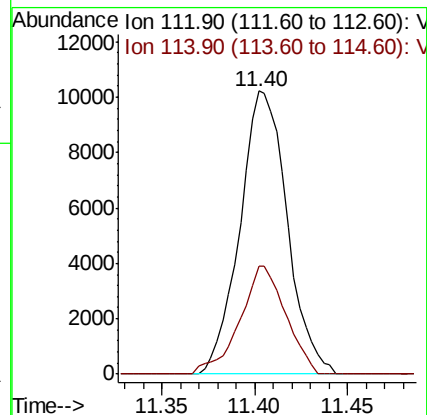
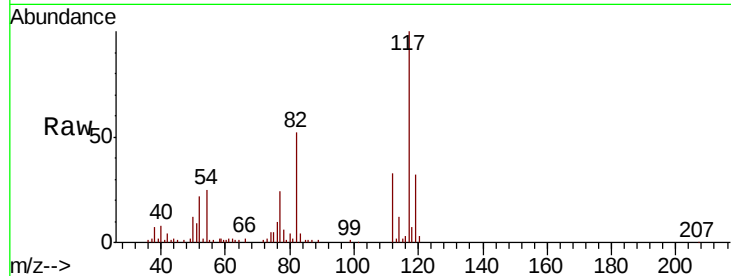
LOD-MDL-WATER-01-QT4-2020

Tot Ion:112 Resp: 18156

Ion Ratio Lower Upper

112 100

114 38.0 25.7 38.5



#66

1,1,1,2-Tetrachloroethane

Concen: 2.428 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

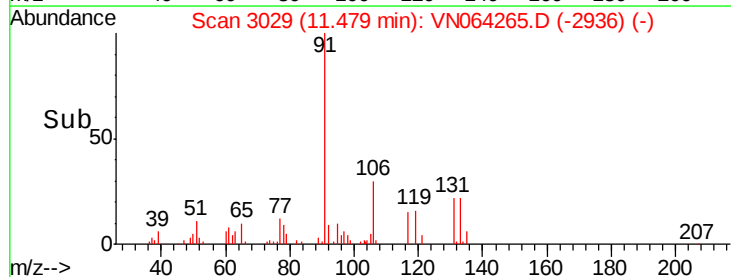
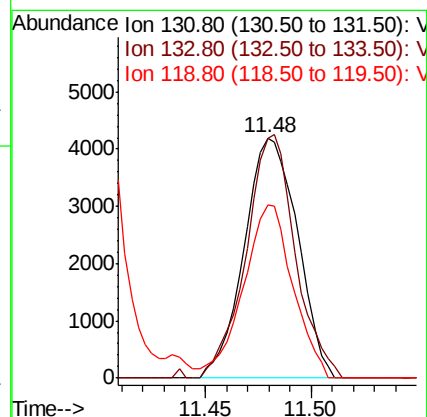
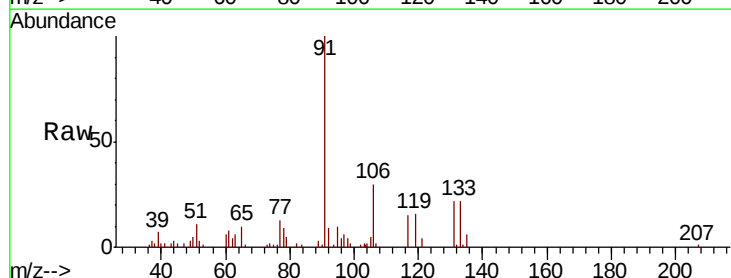
Tgt Ion:131 Resp: 7377

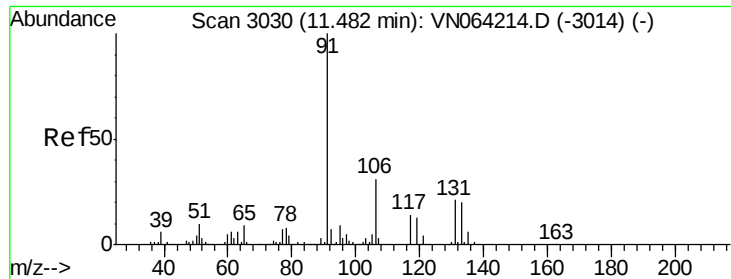
Ion Ratio Lower Upper

131 100

133 93.9 47.8 143.4

119 66.9 32.2 96.6

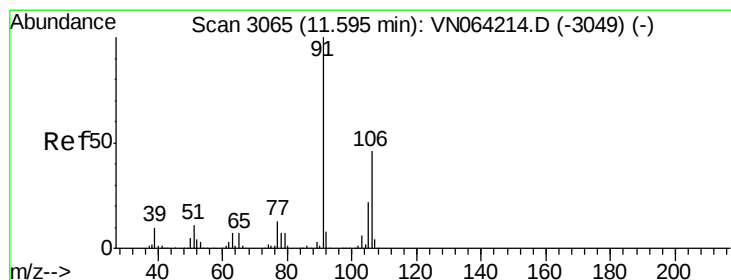
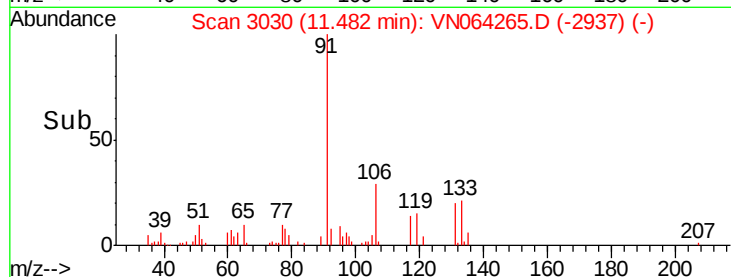
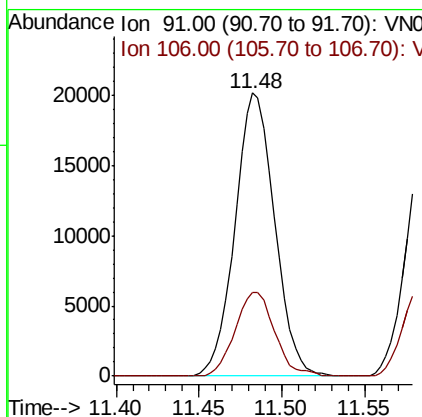
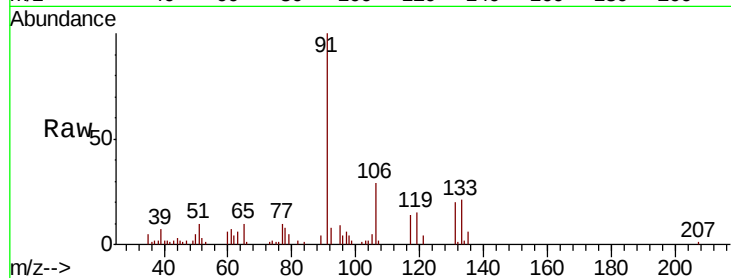




#67
Ethyl Benzene
Concen: 2.379 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

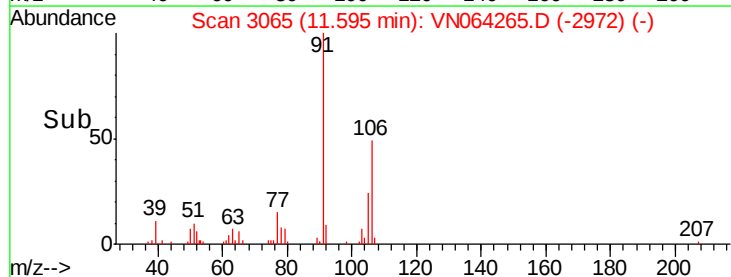
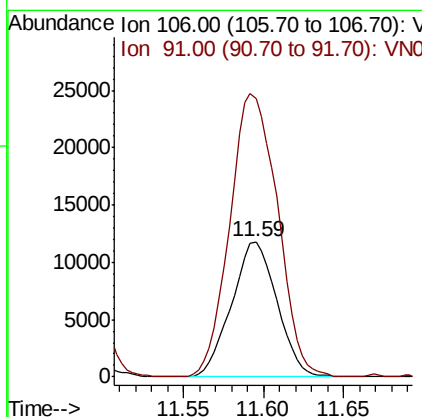
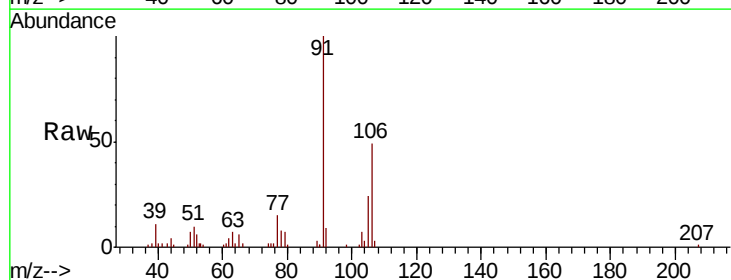
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

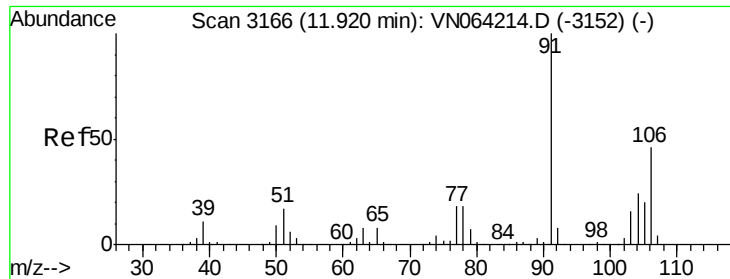
Tot Ion: 91 Resp: 33469
Ion Ratio Lower Upper
91 100
106 29.4 24.8 37.2



#68
m/p-Xylenes
Concen: 4.391 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

Tgt Ion: 106 Resp: 22889
Ion Ratio Lower Upper
106 100
91 219.6 172.2 258.2

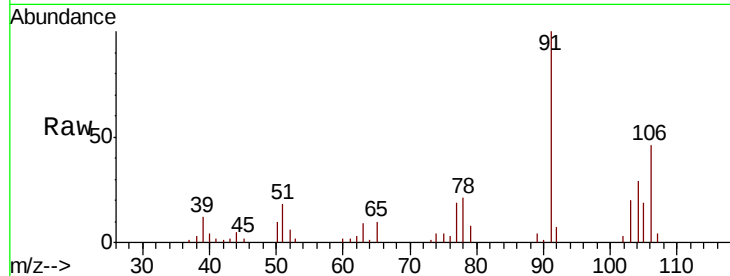




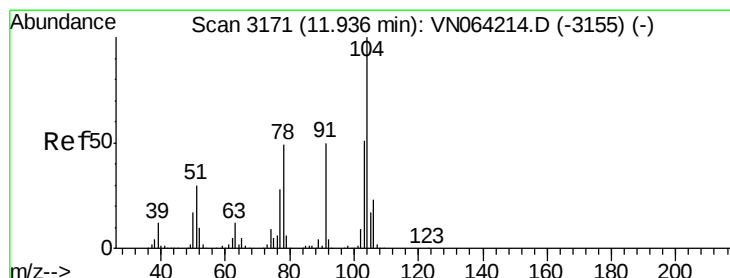
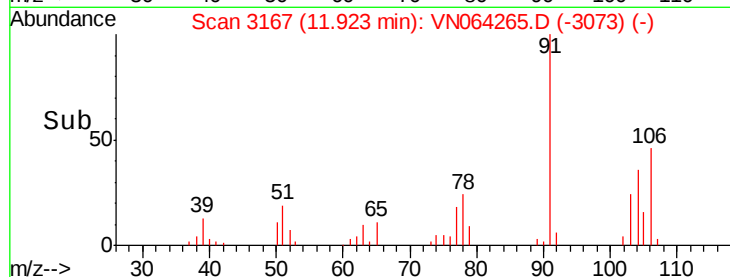
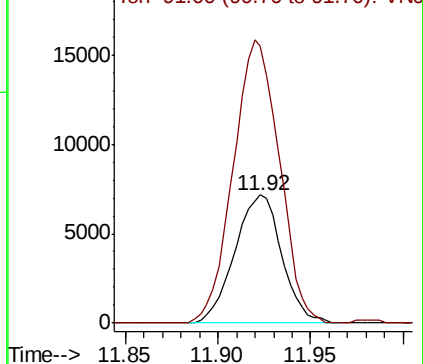
#69
o-Xylene
Concen: 2.497 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

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

Tot Ion:106 Resp: 12589
Ion Ratio Lower Upper
106 100
91 216.7 109.9 329.6

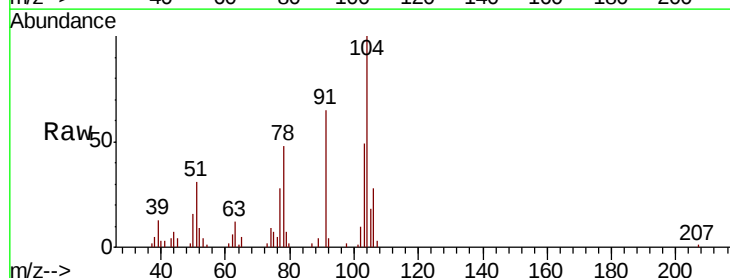


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

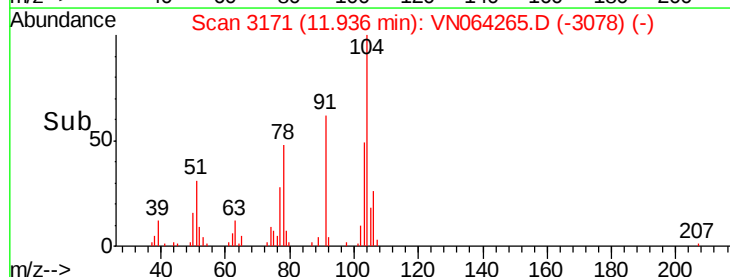
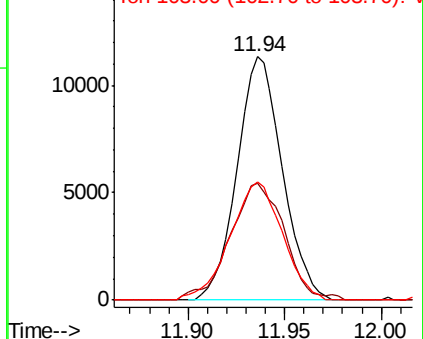


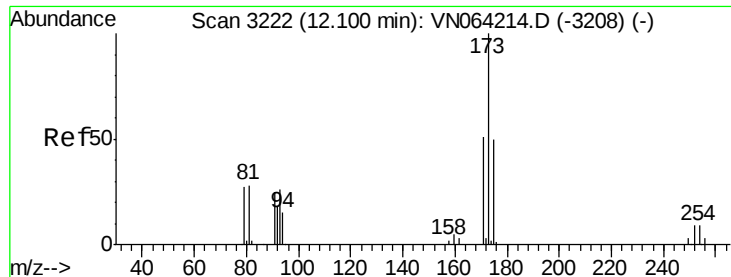
#70
Styrene
Concen: 2.182 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

Tgt Ion:104 Resp: 18435
Ion Ratio Lower Upper
104 100
78 57.3 43.8 65.6
103 55.9 43.4 65.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

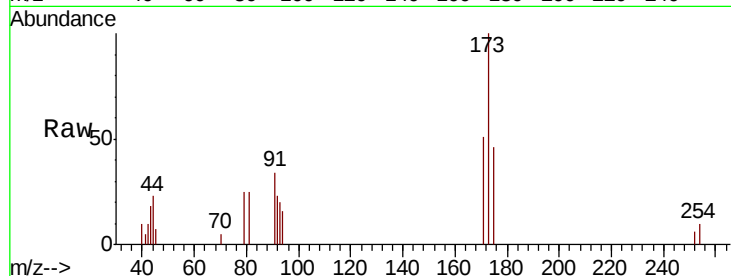




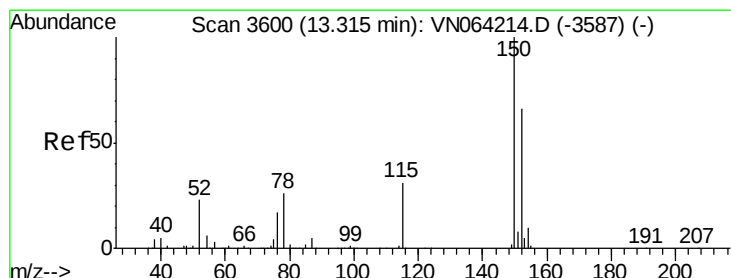
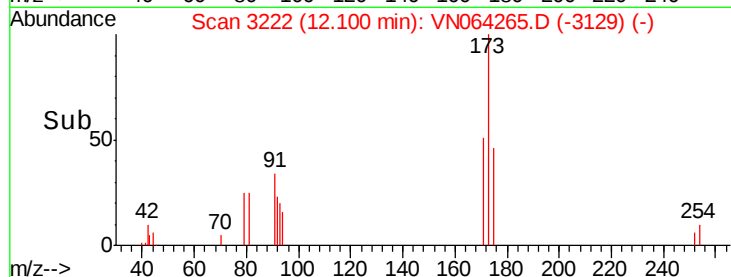
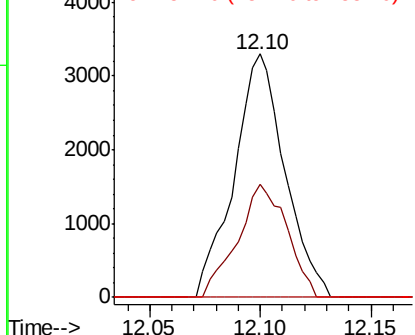
#71
Bromoform
Concen: 2.242 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

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

Tot Ion:173 Resp: 5263
Ion Ratio Lower Upper
173 100
175 45.1 25.1 75.3
254 0.0 0.0 0.0

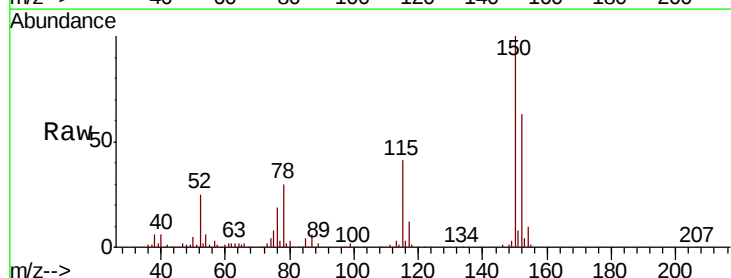


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

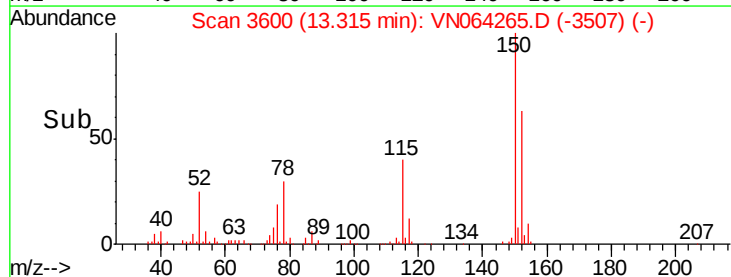
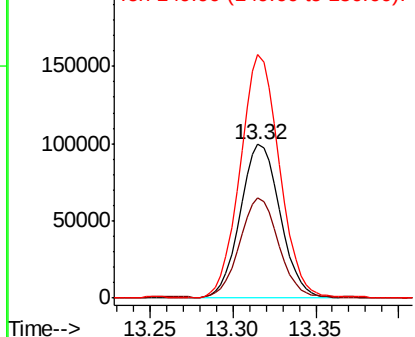


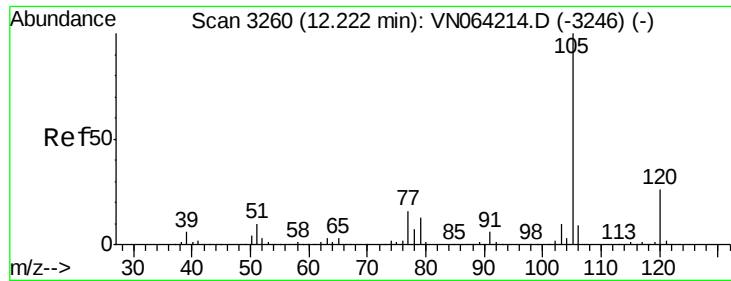
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

Tgt Ion:152 Resp: 167087
Ion Ratio Lower Upper
152 100
115 63.3 32.0 96.2
150 154.9 0.0 356.6



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





#73

Isopropylbenzene

Concen: 2.408 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

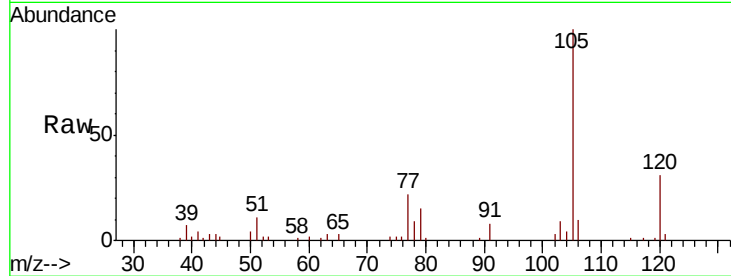
LOD-MDL-WATER-01-QT4-2020

Tot Ion:105 Resp: 30691

Ion Ratio Lower Upper

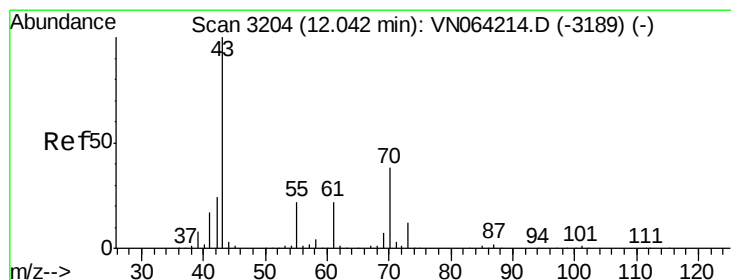
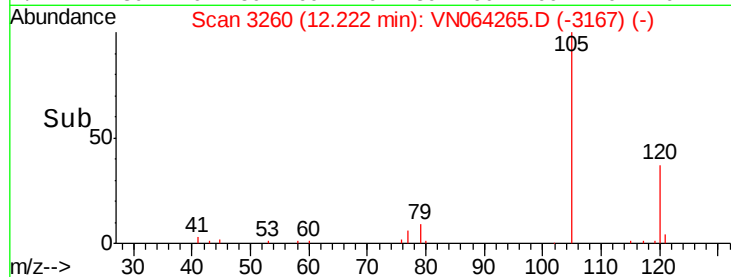
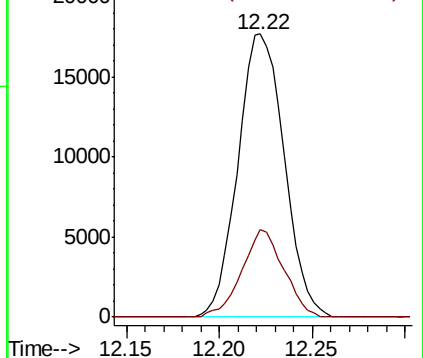
105 100

120 27.9 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 2.133 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Tgt Ion: 43 Resp: 11744

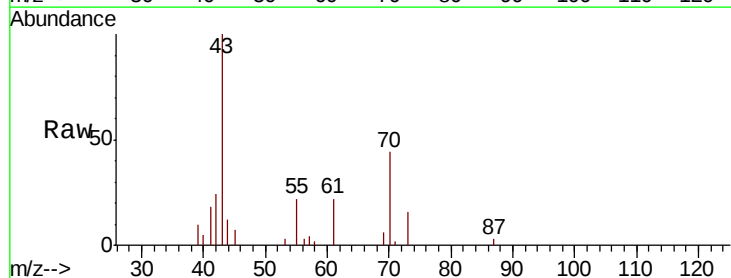
Ion Ratio Lower Upper

43 100

70 41.8 30.2 45.4

55 24.6 18.0 27.0

61 22.4 17.4 26.2

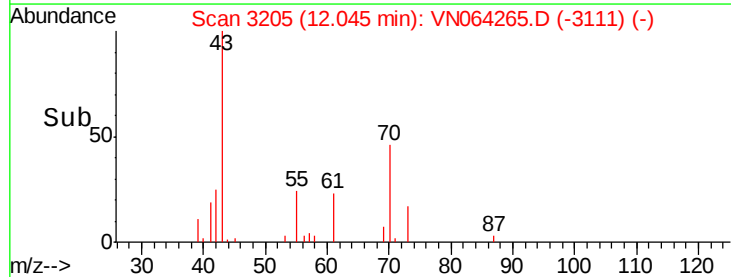
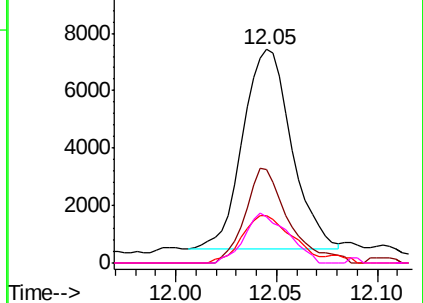


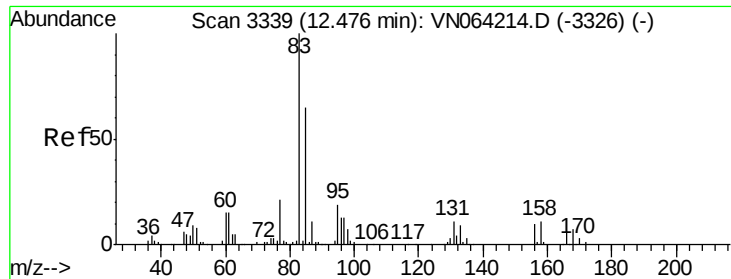
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 2.523 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

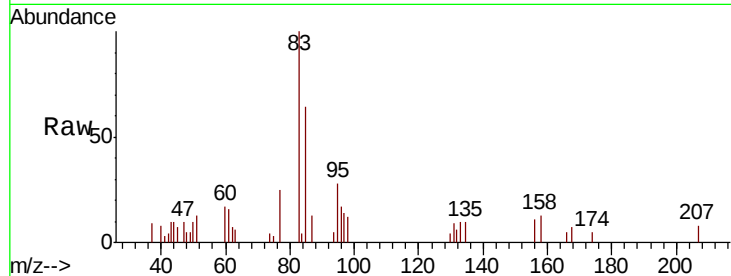
Tot Ion: 83 Resp: 8531

Ion Ratio Lower Upper

83 100

131 11.5 5.5 16.7

85 59.4 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

6000

5000

4000

3000

2000

1000

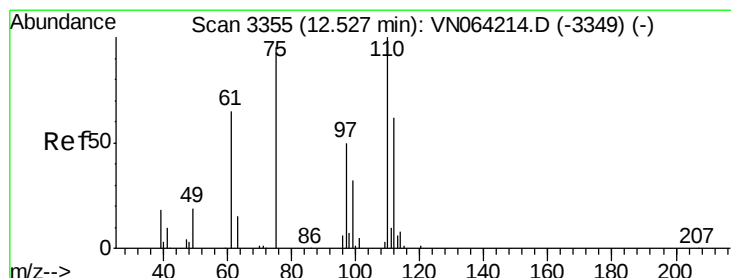
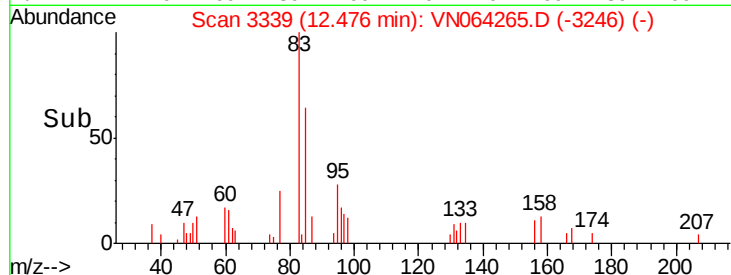
0

12.40

12.45

12.50

Time-->



#76

1,2,3-Trichloropropane

Concen: 3.757 ug/l

RT: 12.52 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN064265.D

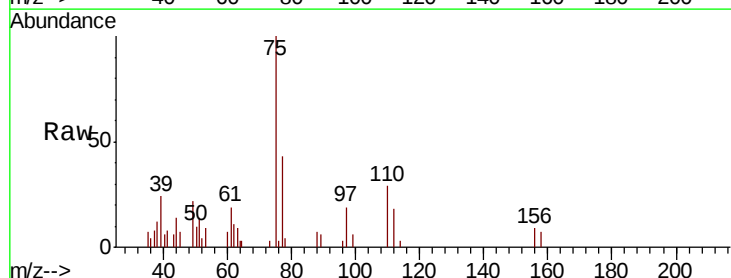
Acq: 22 Oct 2020 21:15

Tgt Ion: 75 Resp: 13235

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

10000

8000

6000

4000

2000

0

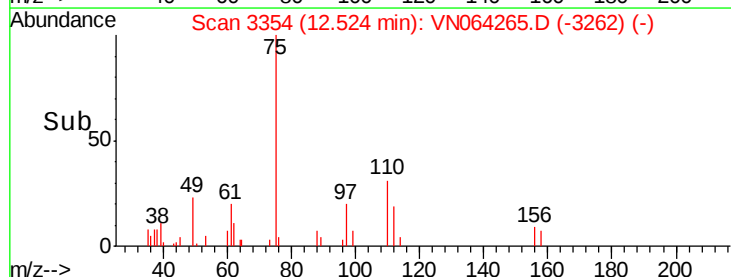
12.45

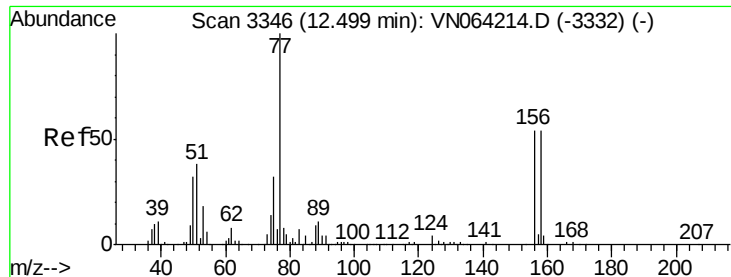
12.50

12.55

12.60

Time-->





#77

Bromobenzene

Concen: 2.413 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

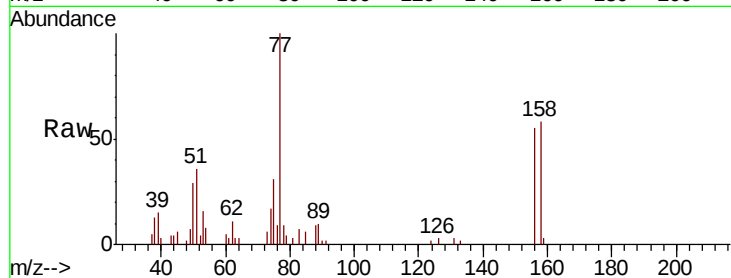
Tot Ion:156 Resp: 7260

Ion Ratio Lower Upper

156 100

77 252.8 111.1 333.4

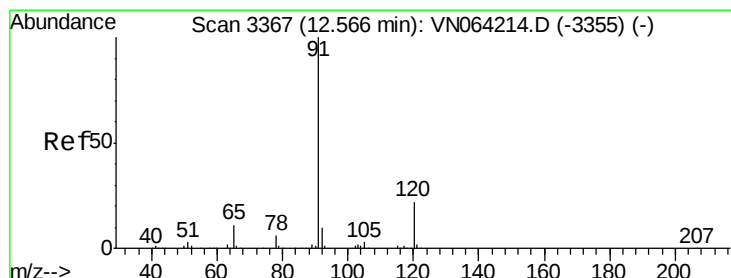
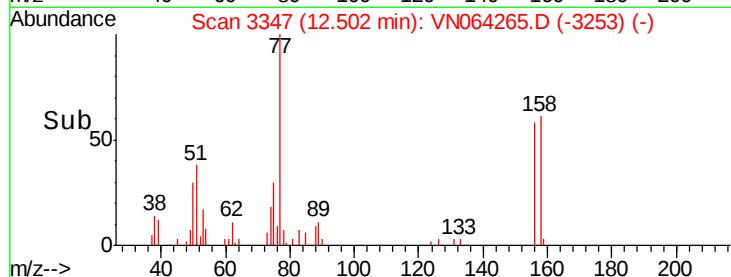
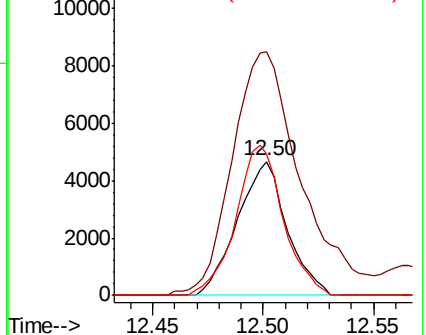
158 108.1 50.0 150.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.346 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064265.D

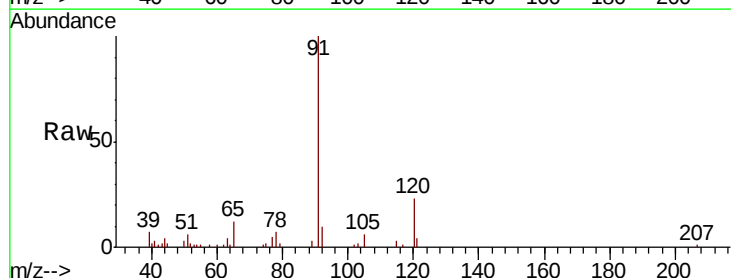
Acq: 22 Oct 2020 21:15

Tgt Ion: 91 Resp: 33708

Ion Ratio Lower Upper

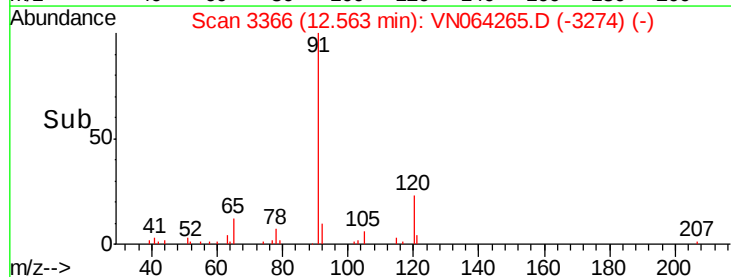
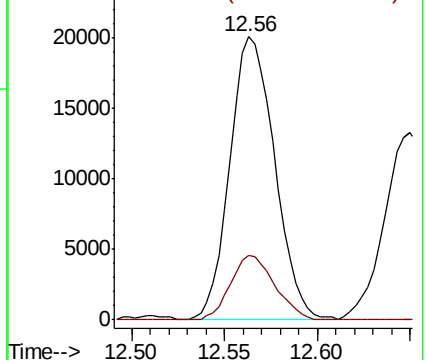
91 100

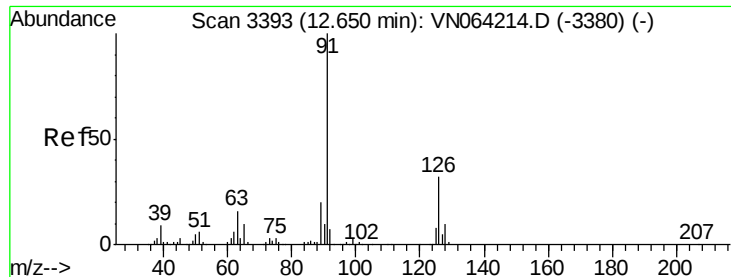
120 22.3 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

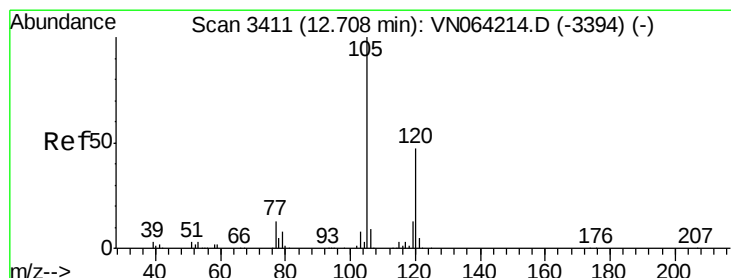
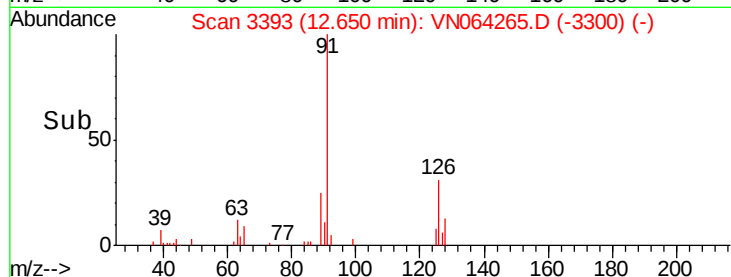
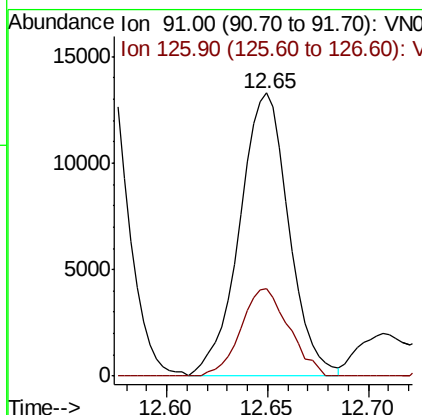
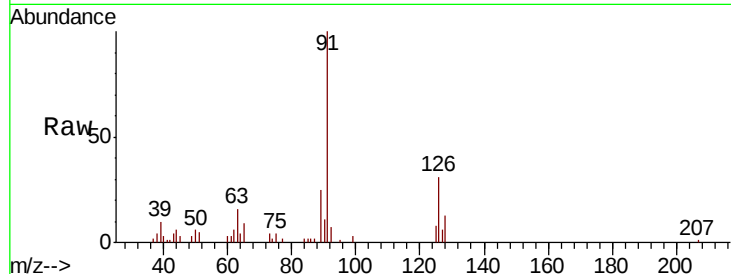




#79
 2-Chlorotoluene
 Concen: 2.584 ug/l
 RT: 12.65 min Scan# 3393
 Delta R.T. -0.00 min
 Lab File: VN064265.D
 Acq: 22 Oct 2020 21:15

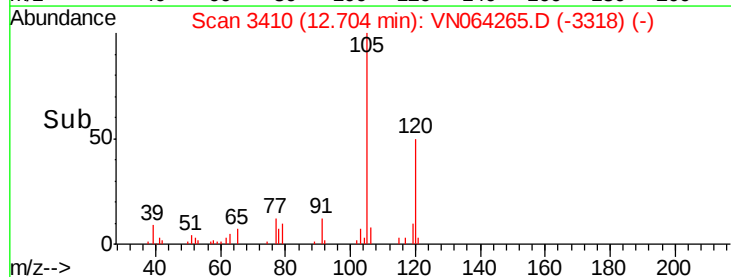
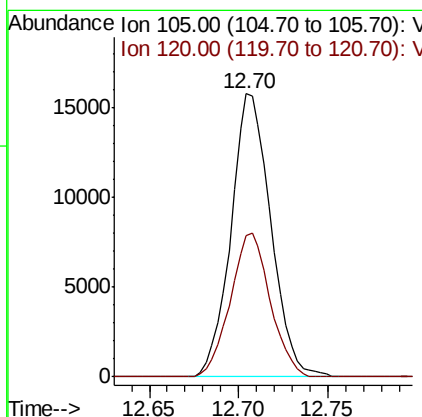
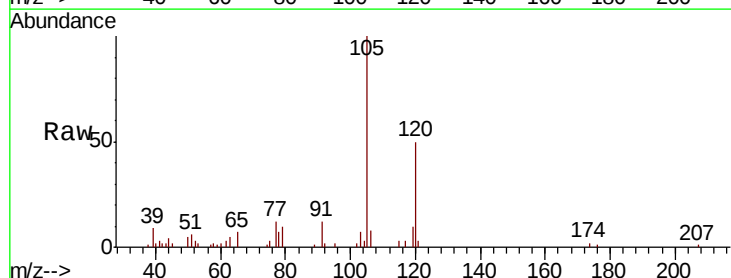
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

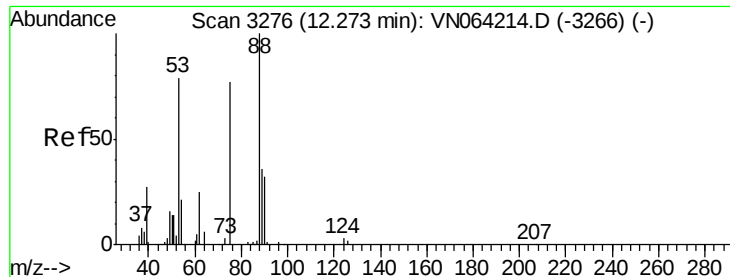
Tot Ion: 91 Resp: 22802
 Ion Ratio Lower Upper
 91 100
 126 30.0 16.0 48.0



#80
 1,3,5-Trimethylbenzene
 Concen: 2.277 ug/l
 RT: 12.70 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN064265.D
 Acq: 22 Oct 2020 21:15

Tgt Ion: 105 Resp: 24531
 Ion Ratio Lower Upper
 105 100
 120 50.7 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 76.118 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

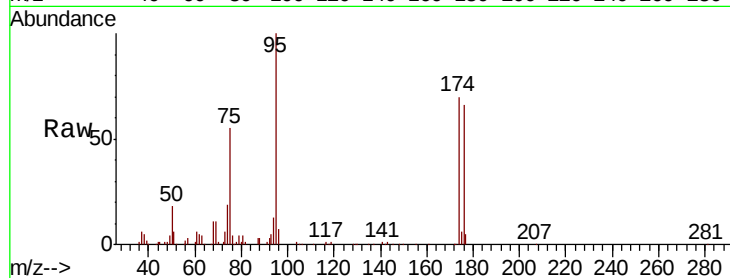
Tot Ion: 75 Resp: 106199

Ion Ratio Lower Upper

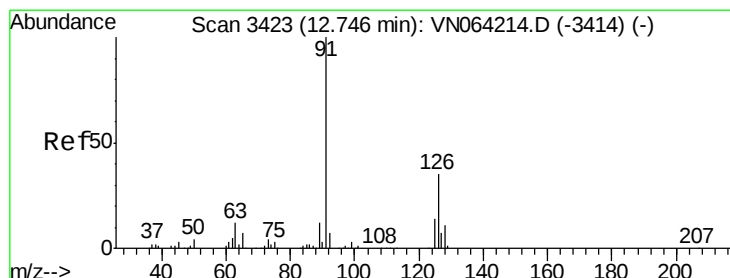
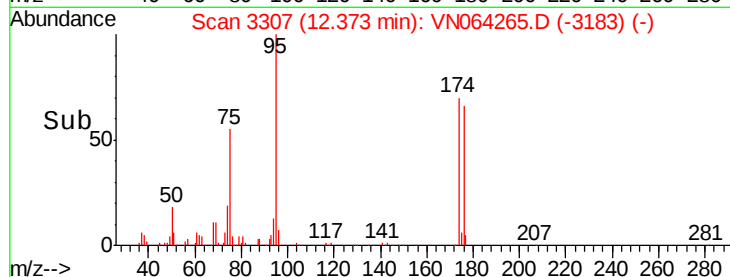
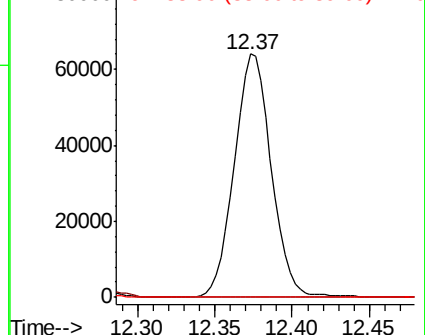
75 100

53 0.0 81.0 121.4#

89 0.0 38.7 58.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 2.482 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064265.D

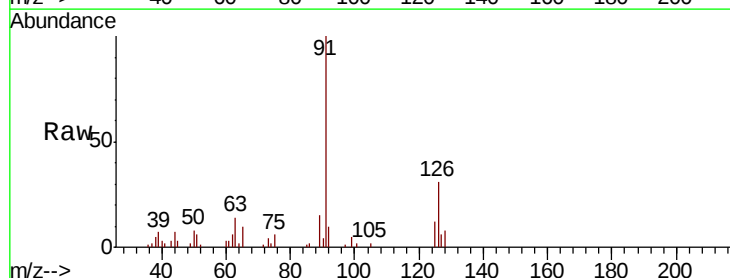
Acq: 22 Oct 2020 21:15

Tgt Ion: 91 Resp: 22846

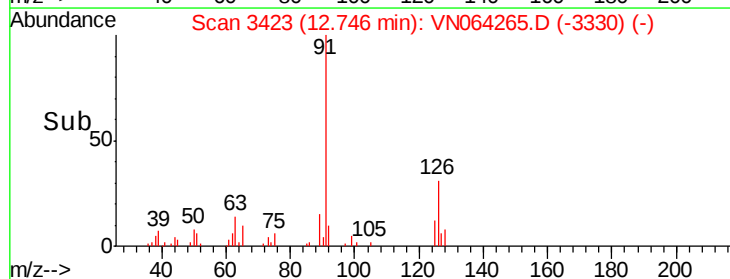
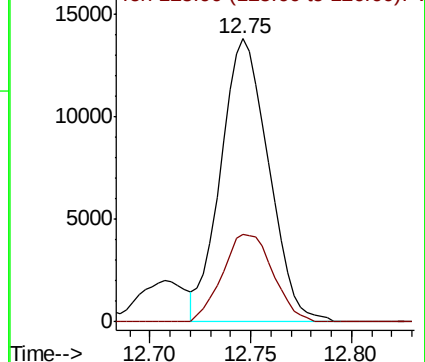
Ion Ratio Lower Upper

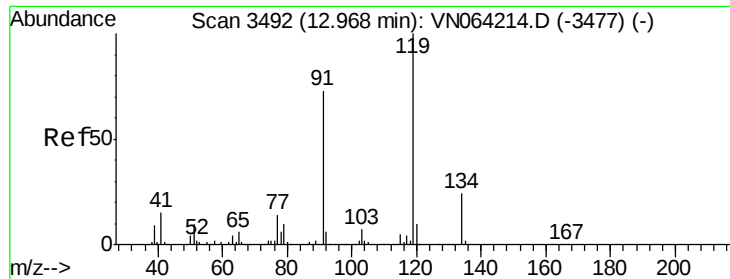
91 100

126 32.6 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 125.90 (125.60 to 126.60): V

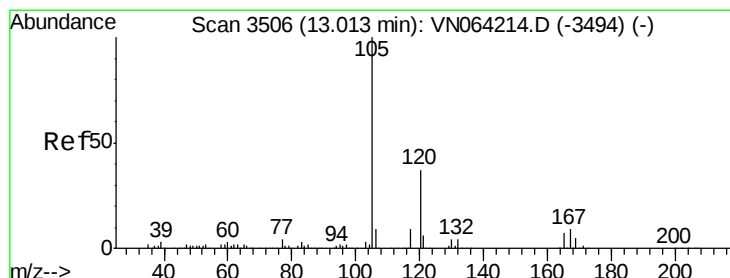
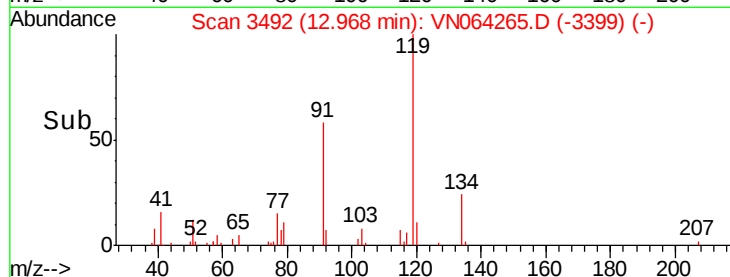
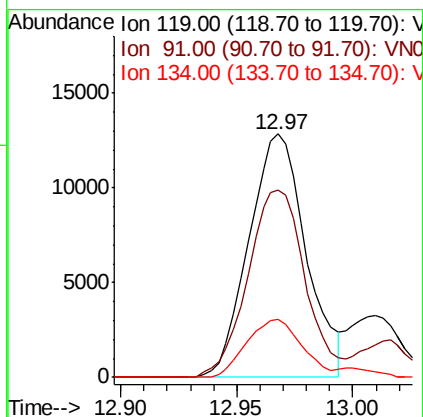
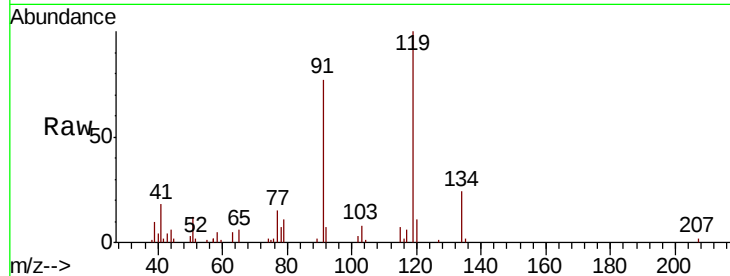




#83
 tert-Butylbenzene
 Concen: 2.497 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064265.D
 Acq: 22 Oct 2020 21:15

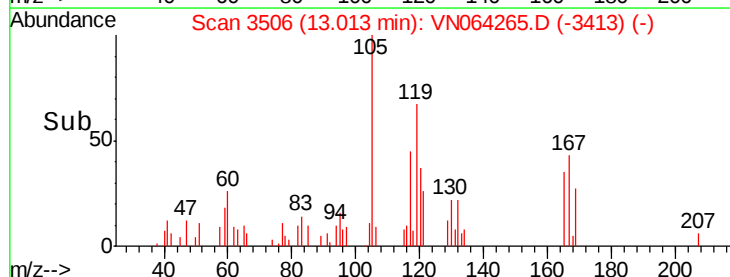
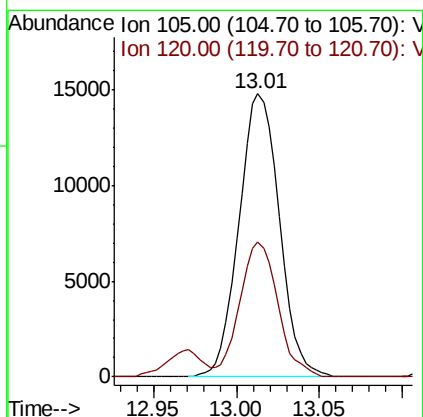
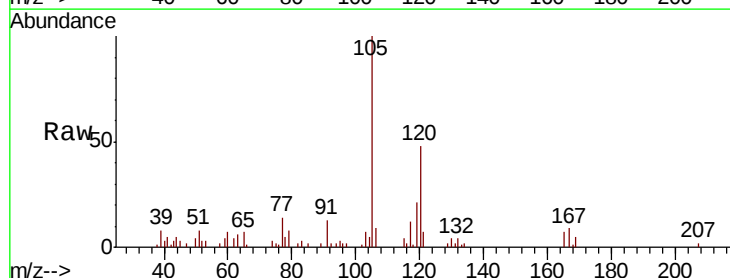
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

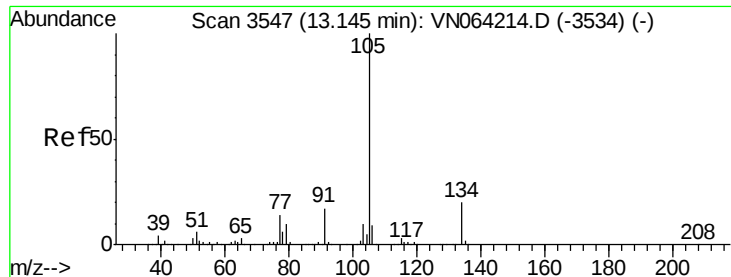
Tot Ion:119 Resp: 22053
 Ion Ratio Lower Upper
 119 100
 91 77.4 35.1 105.3
 134 23.3 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 2.343 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064265.D
 Acq: 22 Oct 2020 21:15

Tgt Ion:105 Resp: 25128
 Ion Ratio Lower Upper
 105 100
 120 44.6 21.5 64.5





#85

sec-Butylbenzene

Concen: 2.313 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

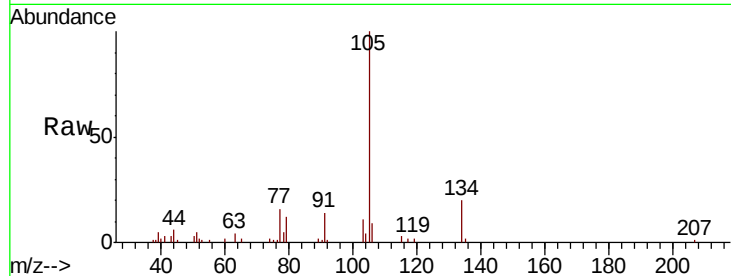
LOD-MDL-WATER-01-QT4-2020

Tot Ion:105 Resp: 25759

Ion Ratio Lower Upper

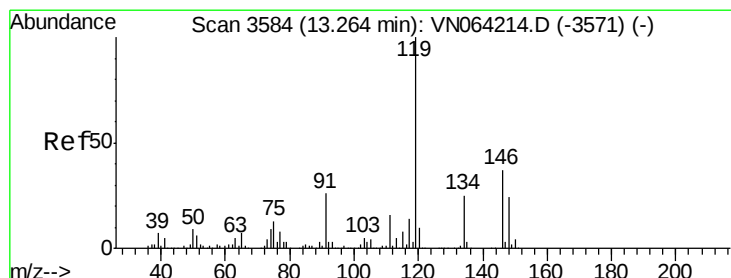
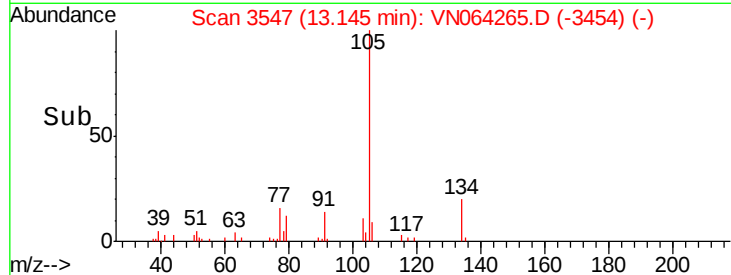
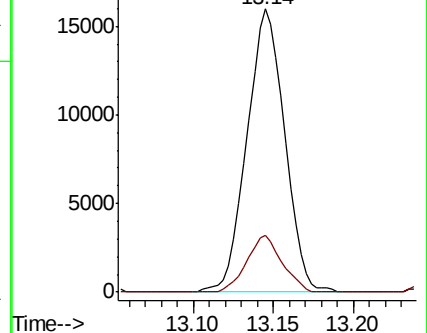
105 100

134 18.6 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.279 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

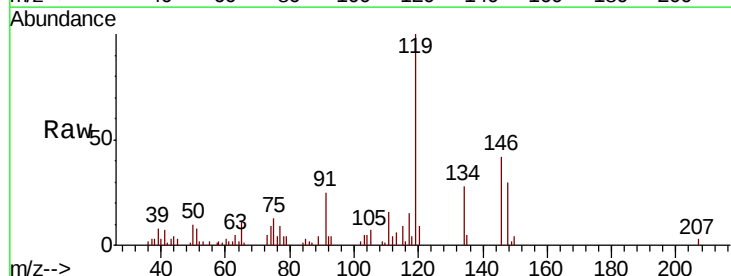
Tgt Ion:119 Resp: 23110

Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

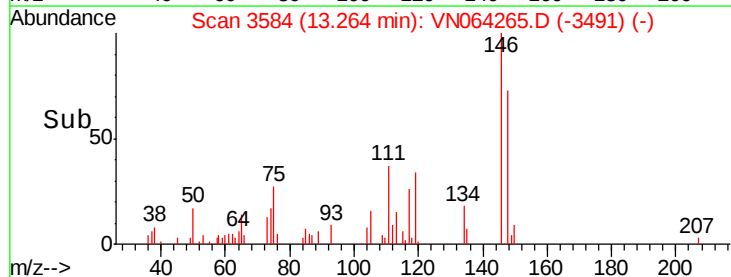
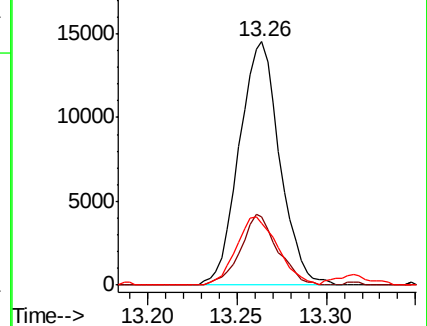
91 28.8 13.4 40.2

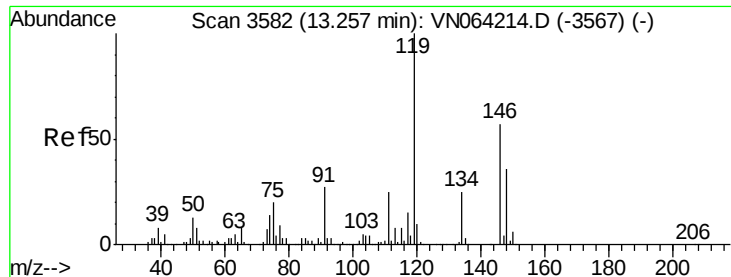


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

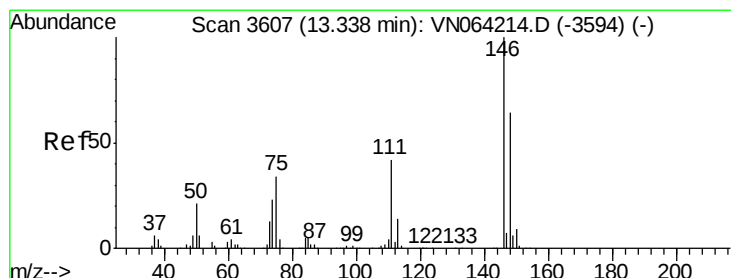
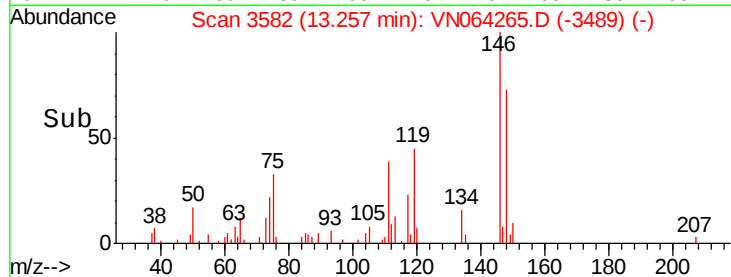
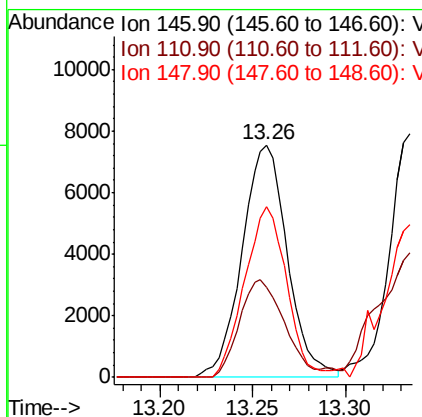
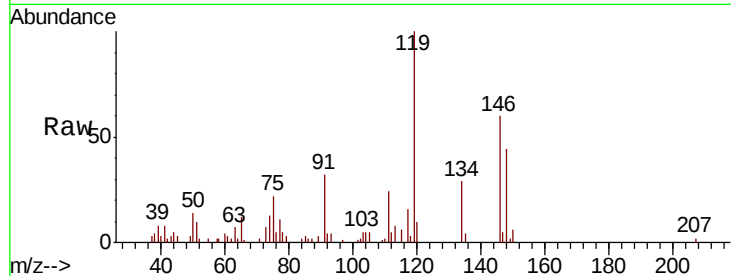




#87
 1,3-Dichlorobenzene
 Concen: 2.403 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN064265.D
 Acq: 22 Oct 2020 21:15

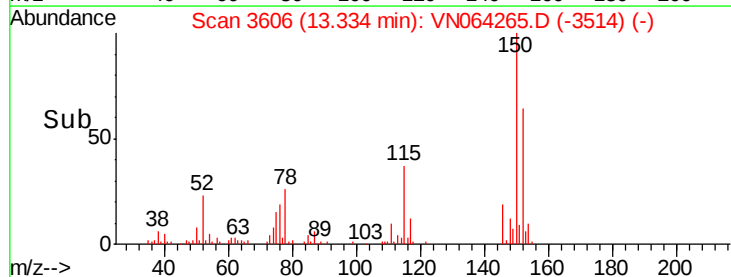
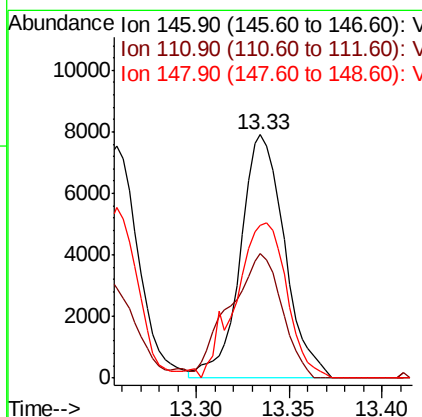
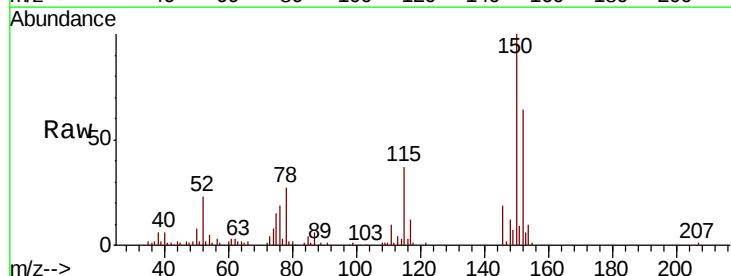
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

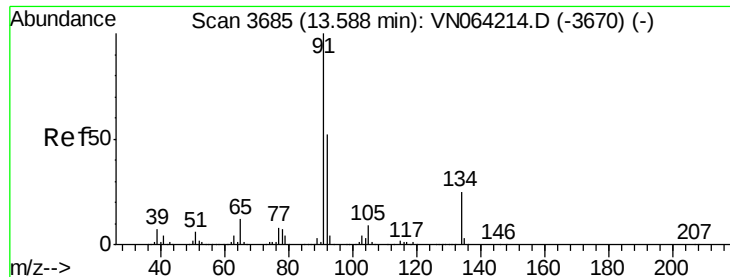
Tot Ion:146 Resp: 12861
 Ion Ratio Lower Upper
 146 100
 111 41.6 21.6 65.0
 148 67.8 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 2.402 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064265.D
 Acq: 22 Oct 2020 21:15

Tgt Ion:146 Resp: 13162
 Ion Ratio Lower Upper
 146 100
 111 60.6 21.5 64.5
 148 73.2 32.0 96.0

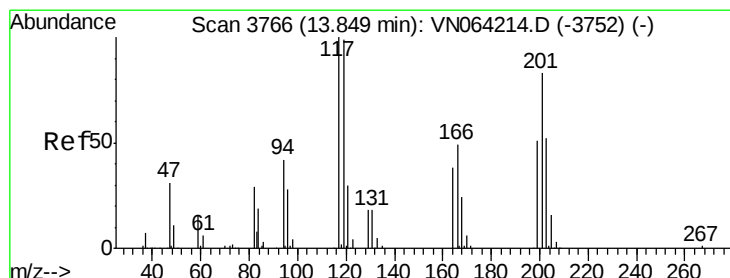
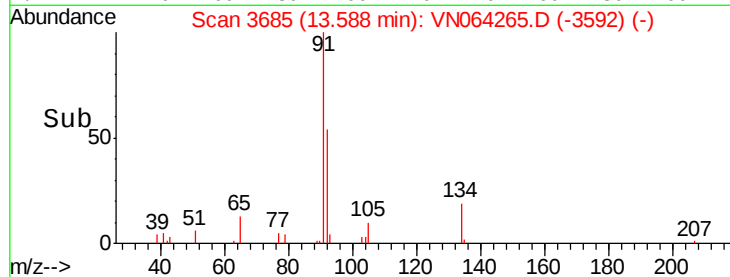
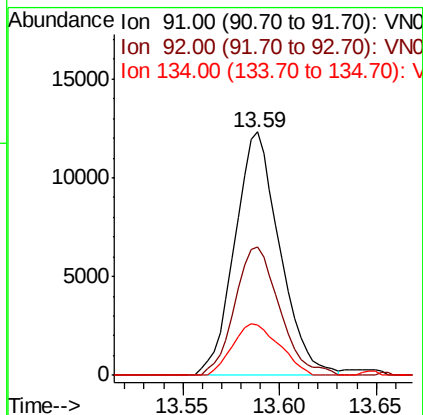
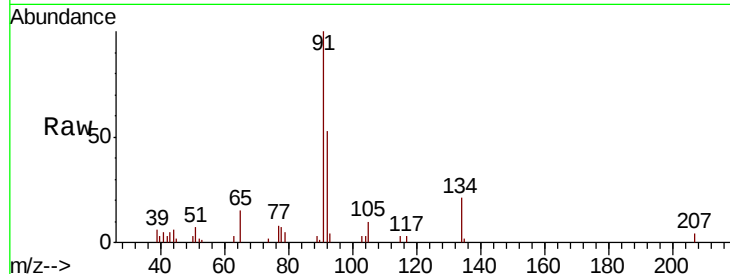




#89
n-Butylbenzene
Concen: 2.187 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

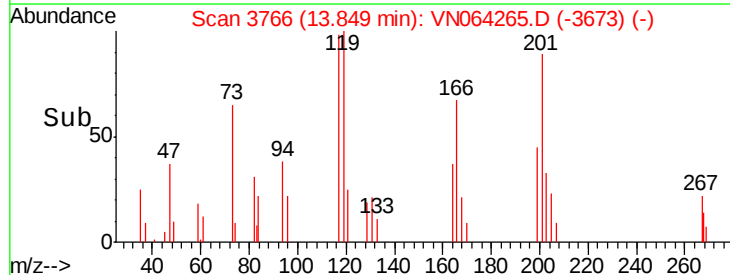
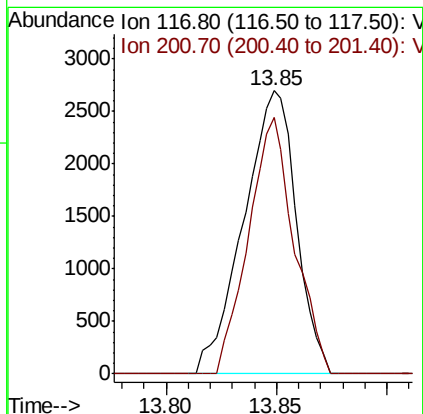
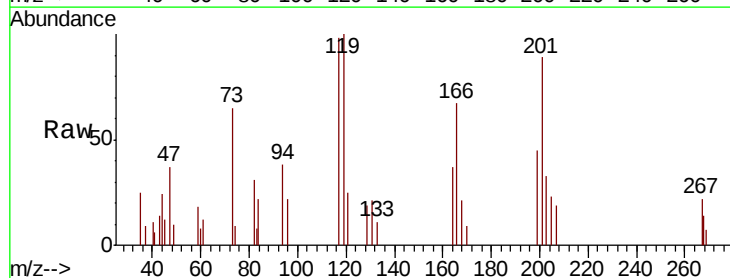
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

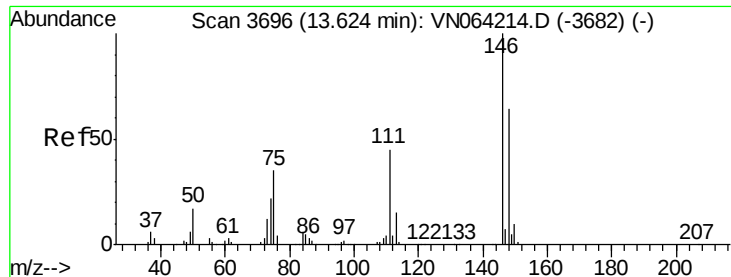
Tot Ion: 91 Resp: 19877
Ion Ratio Lower Upper
91 100
92 52.4 25.7 77.0
134 22.0 12.3 36.8



#90
Hexachloroethane
Concen: 2.435 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

Tgt Ion: 117 Resp: 4472
Ion Ratio Lower Upper
117 100
201 78.4 40.1 120.3





#91

1,2-Dichlorobenzene

Concen: 2.448 ug/l

RT: 13.62 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

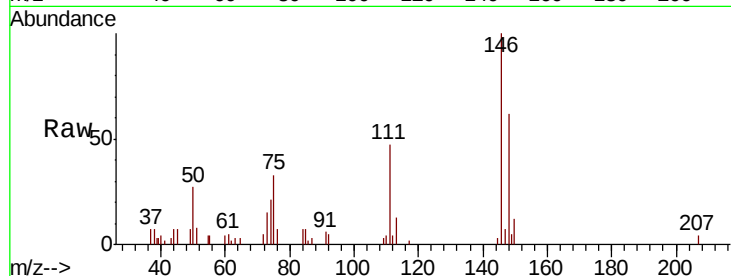
Tot Ion:146 Resp: 12854

Ion Ratio Lower Upper

146 100

111 44.7 22.9 68.7

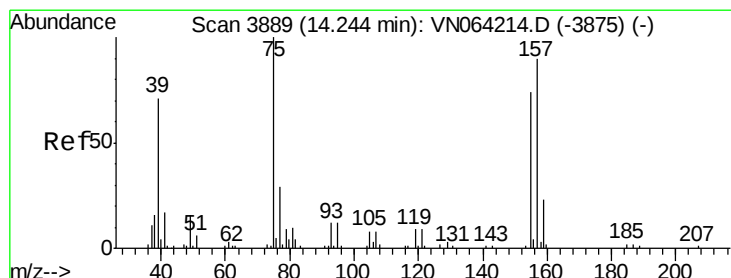
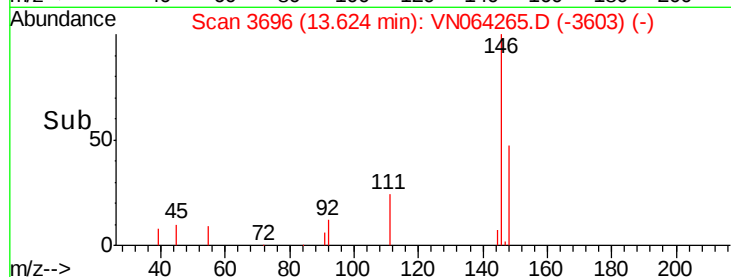
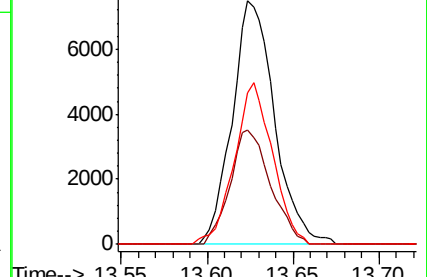
148 59.8 31.9 95.5



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: 2.625 ug/l

RT: 14.24 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN064265.D

Acq: 22 Oct 2020 21:15

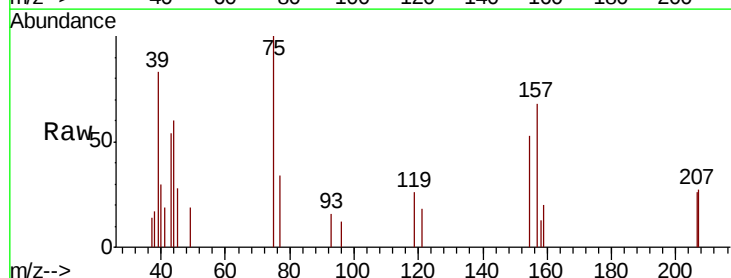
Tgt Ion: 75 Resp: 2215

Ion Ratio Lower Upper

75 100

155 53.9 36.9 110.7

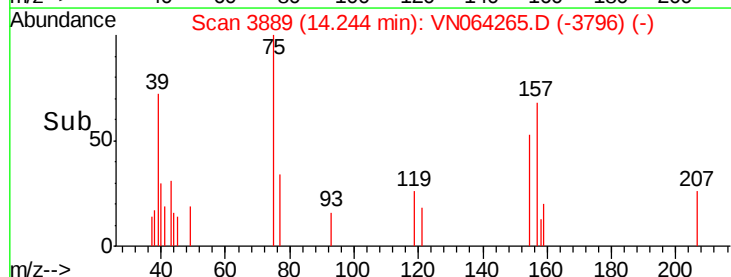
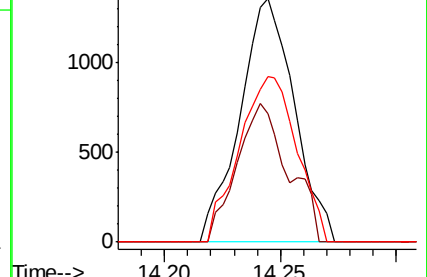
157 71.8 44.6 133.8

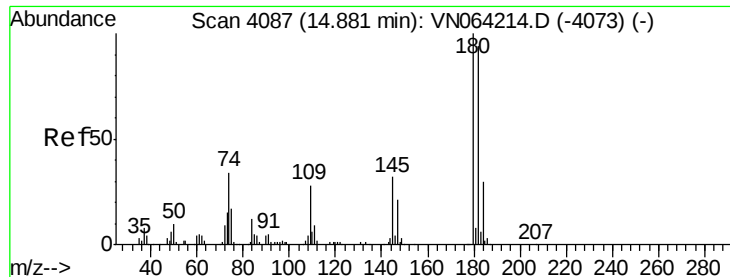


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

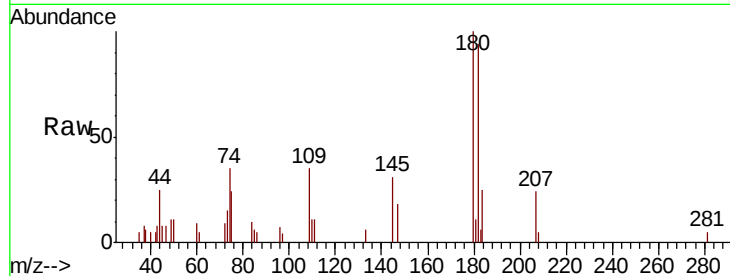




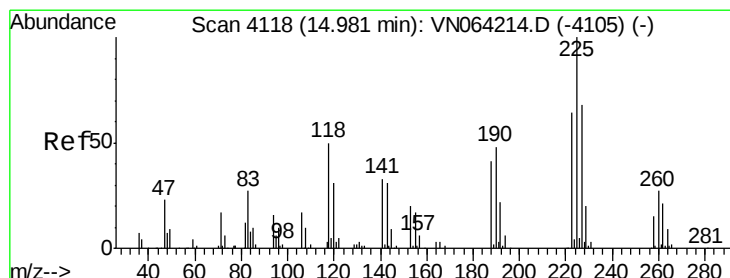
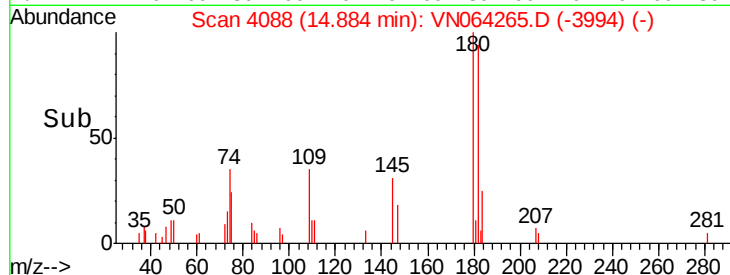
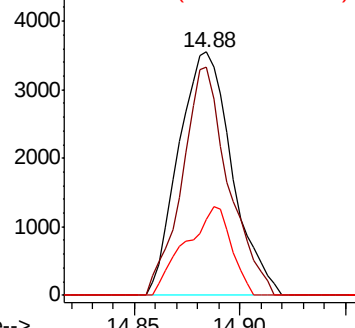
#93
 1,2,4-Trichlorobenzene
 Concen: 2.116 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064265.D
 Acq: 22 Oct 2020 21:15

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

Tot Ion:180 Resp: 6233
 Ion Ratio Lower Upper
 180 100
 182 81.4 46.9 140.7
 145 31.3 16.1 48.3

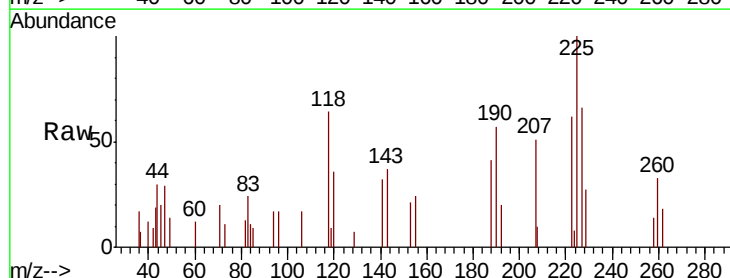


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

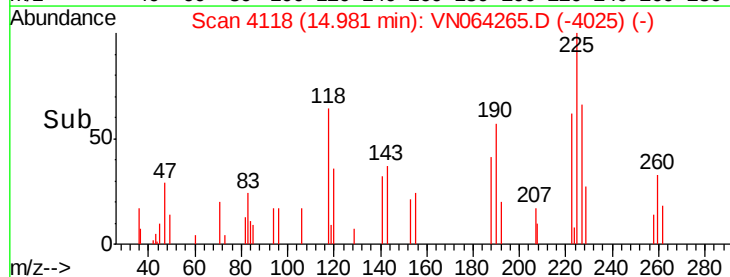
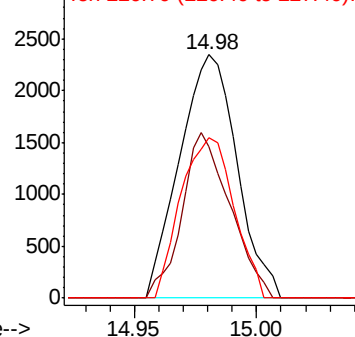


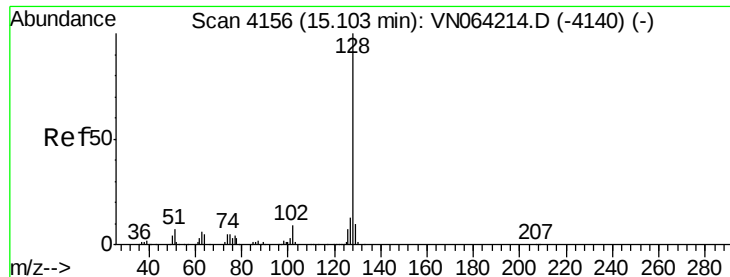
#94
 Hexachlorobutadiene
 Concen: 2.408 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064265.D
 Acq: 22 Oct 2020 21:15

Tgt Ion:225 Resp: 3826
 Ion Ratio Lower Upper
 225 100
 223 57.2 31.5 94.5
 227 61.3 32.1 96.5



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

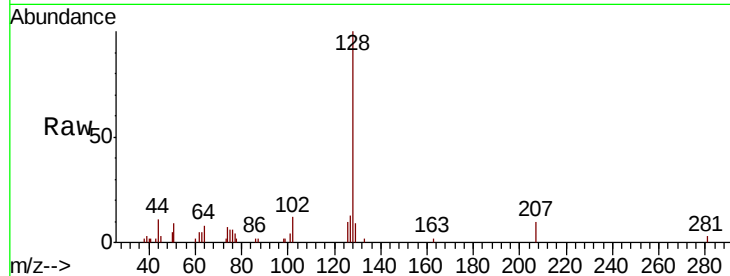




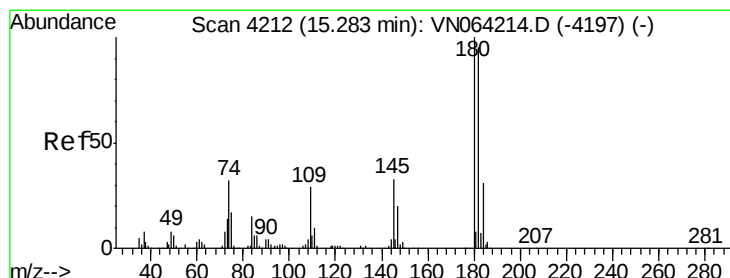
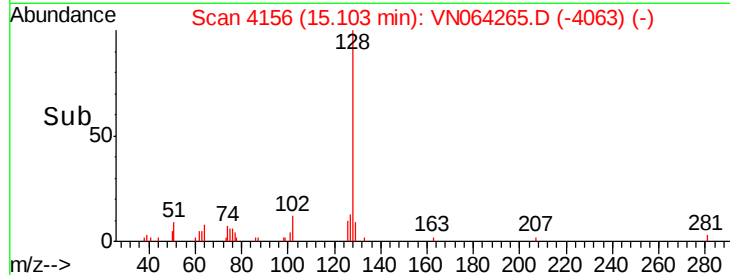
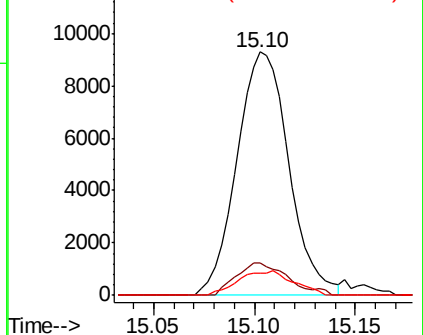
#95
Naphthalene
Concen: 1.901 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

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

Tot Ion:128 Resp: 16768
Ion Ratio Lower Upper
128 100
127 13.3 10.5 15.7
129 10.6 8.6 12.8

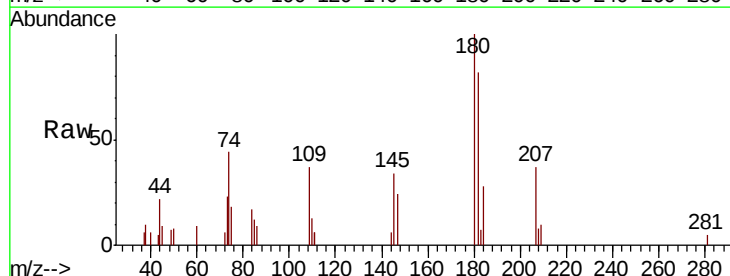


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 1.903 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN064265.D
Acq: 22 Oct 2020 21:15

Tgt Ion:180 Resp: 5553
Ion Ratio Lower Upper
180 100
182 91.1 48.0 144.2
145 35.6 17.1 51.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

