

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056706.D
 Acq On : 15 Jul 2019 12:56
 Operator : JC/SP
 Sample : K3591-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Quant Time: Jul 16 04:21:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:25:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	325219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	508089	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	425274	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	137956	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	184733	51.35	ug/l	0.00
Spiked Amount			Recovery	=	102.70%	
35) Dibromofluoromethane	7.59	113	155680	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	
50) Toluene-d8	10.09	98	592003	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
62) 4-Bromofluorobenzene	12.40	95	170062	41.29	ug/l	0.00
Spiked Amount			Recovery	=	82.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	1658	0.543	ug/l	100
3) Chloromethane	2.06	50	2239	0.545	ug/l	94
4) Vinyl Chloride	2.18	62	1961	0.496	ug/l #	86
5) Bromomethane	2.56	94	1816	0.781	ug/l	96
6) Chloroethane	2.70	64	1041	0.452	ug/l #	42
7) Trichlorofluoromethane	3.01	101	2617	0.516	ug/l	92
8) Diethyl Ether	3.41	74	955	0.483	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.76	101	1353	0.444	ug/l #	86
10) Methyl Iodide	3.96	142	1526	0.374	ug/l #	68
11) Tert butyl alcohol	4.79	59	1365	2.280	ug/l #	73
12) 1,1-Dichloroethene	3.73	96	1355	0.443	ug/l #	88
13) Acrolein	3.62	56	925	15.000	ug/l	87
14) Allyl chloride	4.32	41	2549	0.482	ug/l #	43
15) Acrylonitrile	5.00	53	3783	2.188	ug/l #	85
16) Acetone	3.82	43	4435	2.675	ug/l	92
17) Carbon Disulfide	4.05	76	4331	0.536	ug/l #	75
18) Methyl Acetate	4.33	43	2246	Below Cal	#	83
20) Methylene Chloride	4.55	84	2285	0.631	ug/l #	92
21) trans-1,2-Dichloroethene	5.04	96	700	0.217	ug/l	97
22) Diisopropyl ether	5.95	45	4997	0.479	ug/l	90
23) Vinyl Acetate	5.90	43	17298	2.045	ug/l	96
24) 1,1-Dichloroethane	5.84	63	1373	0.227	ug/l #	83
25) 2-Butanone	6.85	43	5394	2.226	ug/l	96
26) 2,2-Dichloropropane	6.81	77	1110	0.254	ug/l #	71
27) cis-1,2-Dichloroethene	6.83	96	1801	0.484	ug/l #	8
28) Bromochloromethane	7.20	49	1261	0.443	ug/l #	97
29) Tetrahydrofuran	7.22	42	3728	2.358	ug/l #	64
30) Chloroform	7.38	83	3611	0.596	ug/l	94
31) Cyclohexane	7.66	56	7944	1.381	ug/l #	6
32) 1,1,1-Trichloroethane	7.57	97	2185	0.456	ug/l #	46
36) 1,1-Dichloropropene	7.79	75	2655	0.565	ug/l #	74
37) Ethyl Acetate	6.95	43	2206	0.476	ug/l #	68
38) Carbon Tetrachloride	7.77	117	2330	0.528	ug/l #	82
39) Methylcyclohexane	9.08	83	2609	0.449	ug/l #	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056706.D
 Acq On : 15 Jul 2019 12:56
 Operator : JC/SP
 Sample : K3591-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Quant Time: Jul 16 04:21:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:25:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

40) Benzene	8.04	78	7092	0.492	ug/l	95
41) Methacrylonitrile	7.21	41	1846	0.907	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	2399	0.527	ug/l #	73
43) Isopropyl Acetate	8.17	43	3406	0.468	ug/l #	73
44) Trichloroethene	8.83	130	1924	0.492	ug/l	83
45) 1,2-Dichloropropane	9.12	63	1715	0.448	ug/l	91
46) Dibromomethane	9.22	93	1198	0.505	ug/l	89
47) Bromodichloromethane	9.40	83	2128	0.472	ug/l #	91
48) Methyl methacrylate	9.20	41	1654	0.469	ug/l	89
49) 1,4-Dioxane	9.20	88	677	9.365	ug/l #	79
51) 4-Methyl-2-Pentanone	9.99	43	10899	2.310	ug/l	96
52) Toluene	10.16	92	4341	0.507	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	1650	0.351	ug/l #	56
54) cis-1,3-Dichloropropene	9.84	75	2081	0.381	ug/l #	81
55) 1,1,2-Trichloroethane	10.56	97	1554	0.433	ug/l #	87
56) Ethyl methacrylate	10.43	69	2114	0.409	ug/l #	93
57) 1,3-Dichloropropane	10.71	76	2793	0.477	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.70	63	5068	2.041	ug/l	98
59) 2-Hexanone	10.76	43	7917	2.338	ug/l	89
60) Dibromochloromethane	10.90	129	1273	0.361	ug/l	91
61) 1,2-Dibromoethane	11.00	107	1603	0.449	ug/l	97
64) Tetrachloroethene	10.63	164	2080	0.567	ug/l	91
65) Chlorobenzene	11.43	112	4595	0.528	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	1366	0.427	ug/l #	65
67) Ethyl Benzene	11.51	91	6958	0.455	ug/l	95
68) m/p-Xylenes	11.62	106	5124	0.897	ug/l	91
69) o-Xylene	11.94	106	2589	0.461	ug/l	95
70) Styrene	11.96	104	3560	0.392	ug/l	94
71) Bromoform	12.13	173	882	0.362	ug/l #	97
73) Isopropylbenzene	12.25	105	6609	0.594	ug/l	100
74) N-amyl acetate	12.07	43	1924	0.464	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.50	83	2311	Below Cal	#	94
76) 1,2,3-Trichloropropane	12.56	75	2614	0.866	ug/l #	100
77) Bromobenzene	12.53	156	1635	0.562	ug/l	88
78) n-propylbenzene	12.59	91	6990	0.566	ug/l	94
79) 2-Chlorotoluene	12.68	91	4195	Below Cal		92
80) 1,3,5-Trimethylbenzene	12.73	105	5363	0.569	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	77503	79.327	ug/l #	13
82) 4-Chlorotoluene	12.77	91	4126	0.569	ug/l	96
83) tert-Butylbenzene	12.99	119	4560	Below Cal		95
84) 1,2,4-Trimethylbenzene	13.04	105	4976	0.540	ug/l	97
85) sec-Butylbenzene	13.17	105	6462	0.617	ug/l	100
86) p-Isopropyltoluene	13.29	119	5134	0.541	ug/l	95
87) 1,3-Dichlorobenzene	13.28	146	2696	0.565	ug/l	97
88) 1,4-Dichlorobenzene	13.28	146	2696	0.581	ug/l	97
89) n-Butylbenzene	13.61	91	3637	0.476	ug/l	96
90) Hexachloroethane	13.88	117	690	0.450	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	2532	0.519	ug/l	90
92) 1,2-Dibromo-3-Chloropropan	14.27	75	140	0.235	ug/l #	70
93) 1,2,4-Trichlorobenzene	14.90	180	1590	4.238	ug/l	87

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
Data File : VN056706.D
Acq On : 15 Jul 2019 12:56
Operator : JC/SP
Sample : K3591-07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Quant Time: Jul 16 04:21:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 16 01:25:25 2019
Response via : Initial Calibration

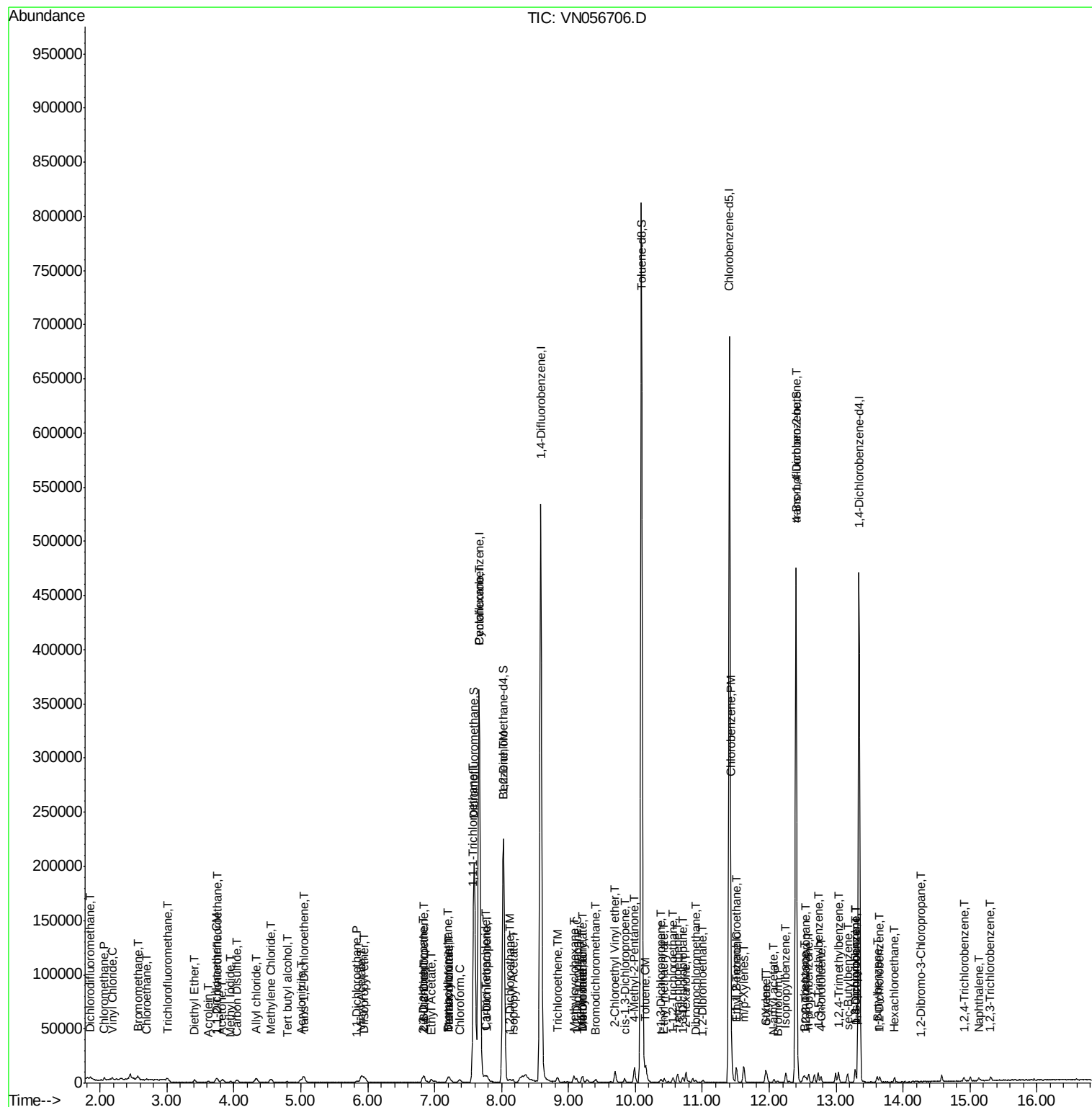
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
94) Hexachlorobutadiene	15.00	225	1094	Below Cal	92
95) Naphthalene	15.13	128	3373	4.941 ug/l #	93
96) 1,2,3-Trichlorobenzene	15.31	180	1756	3.936 ug/l	95

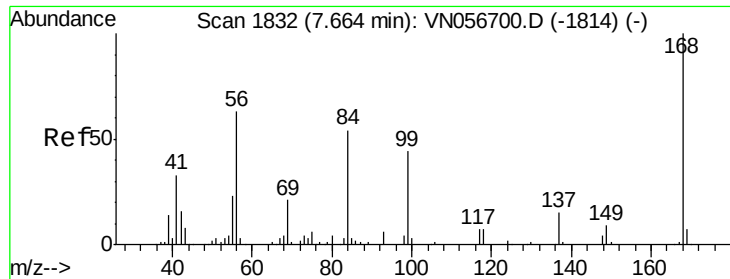
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056706.D
 Acq On : 15 Jul 2019 12:56
 Operator : JC/SP
 Sample : K3591-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Quant Time: Jul 16 04:21:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:25:25 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

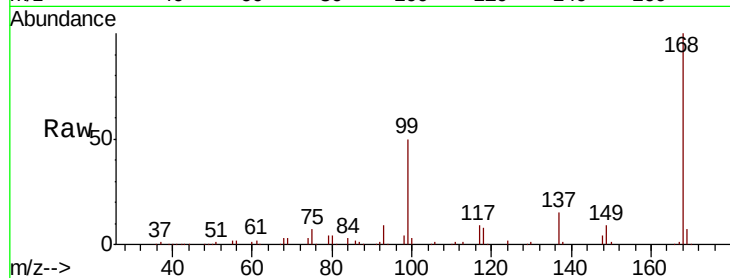
LOD-MDL-WATER-01-QT3-2019

Tot Ion:168 Resp: 325219

Ion Ratio Lower Upper

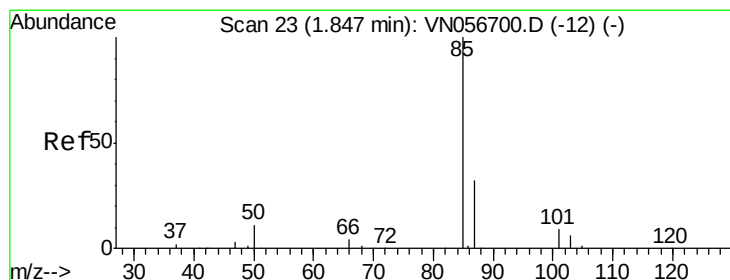
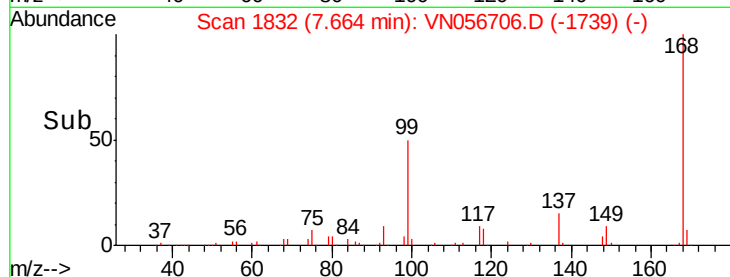
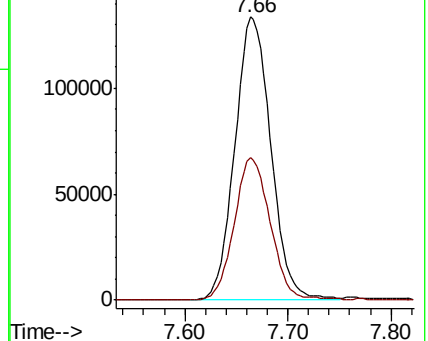
168 100

99 50.3 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 0.543 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056706.D

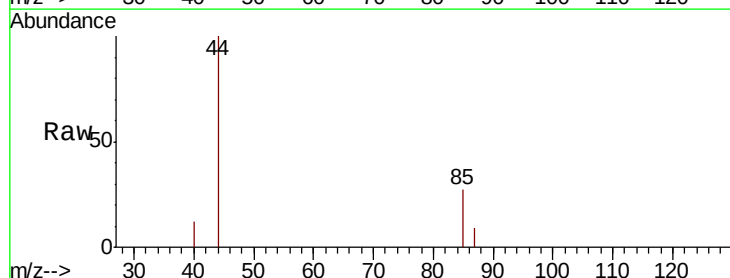
Acq: 15 Jul 2019 12:56

Tgt Ion: 85 Resp: 1658

Ion Ratio Lower Upper

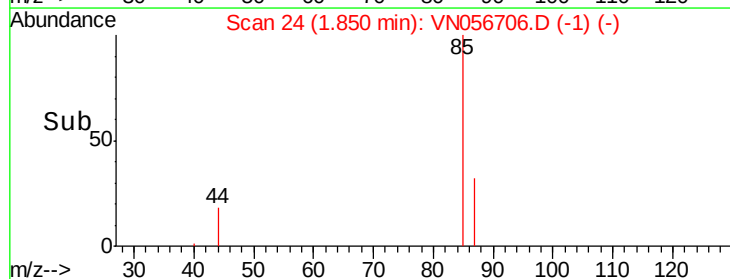
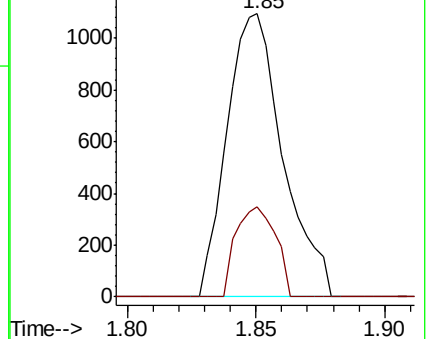
85 100

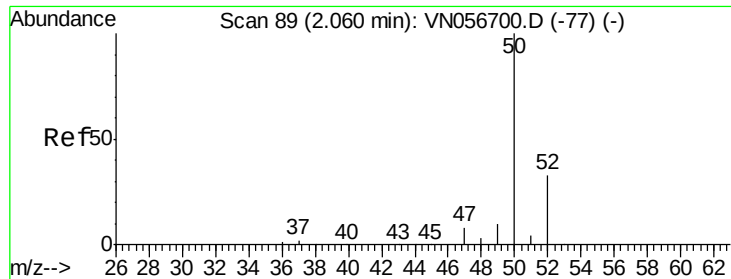
87 31.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

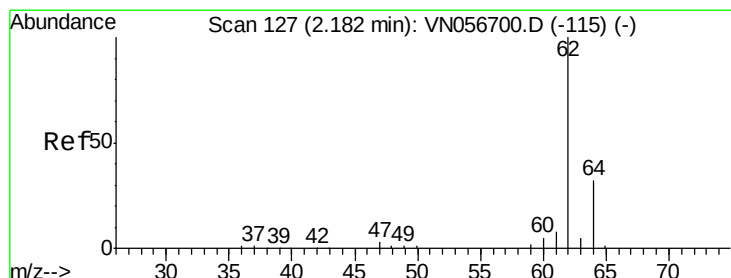
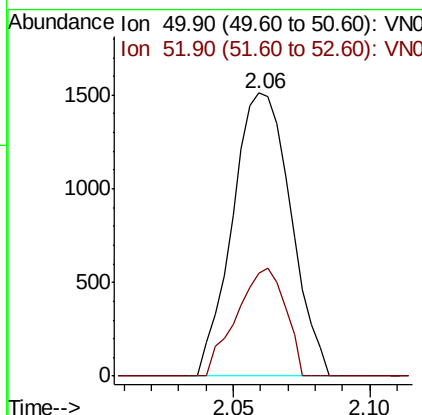
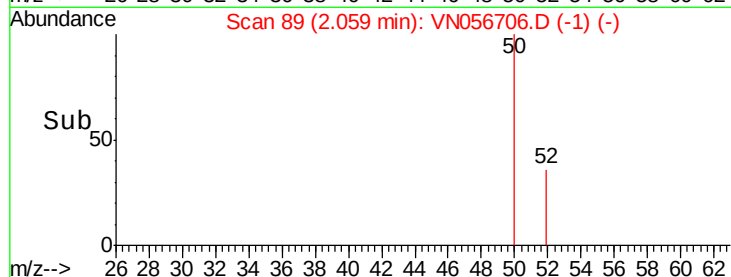
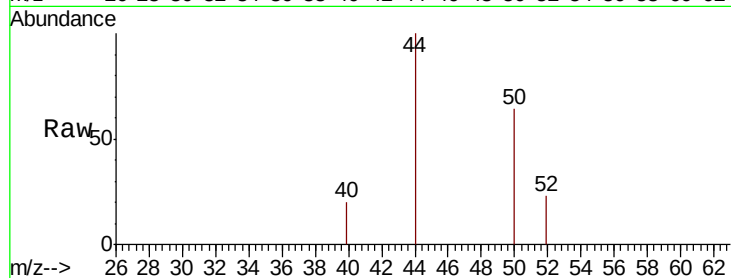




#3
 Chloromethane
 Concen: 0.545 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. -0.00 min
 Lab File: VN056706.D
 Acq: 15 Jul 2019 12:56

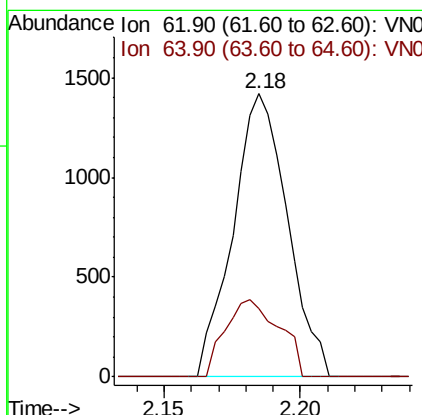
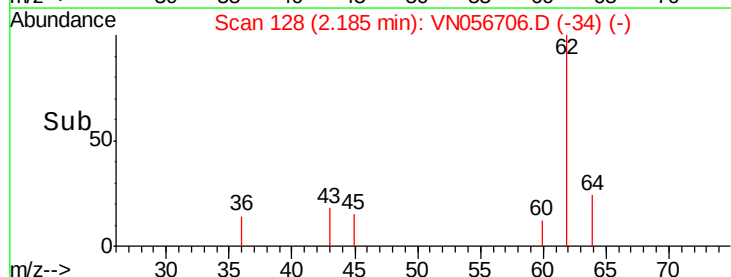
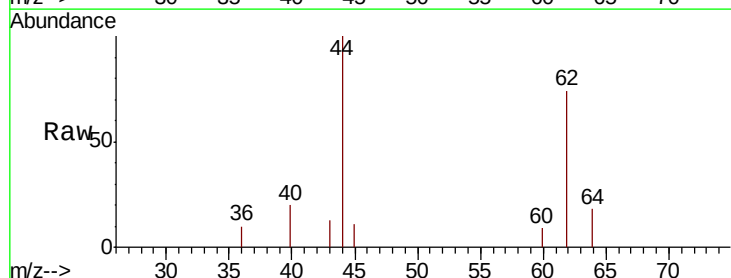
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

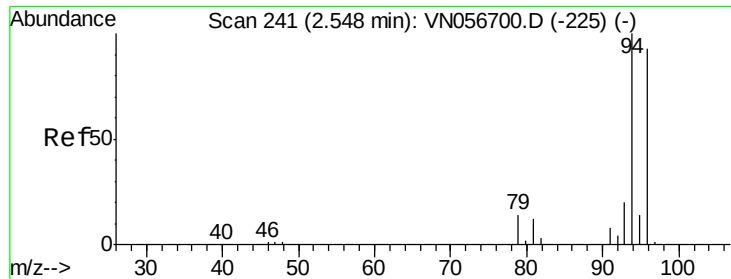
Tot Ion: 50 Resp: 2239
 Ion Ratio Lower Upper
 50 100
 52 36.3 26.5 39.7



#4
 Vinyl Chloride
 Concen: 0.496 ug/l
 RT: 2.18 min Scan# 128
 Delta R.T. 0.00 min
 Lab File: VN056706.D
 Acq: 15 Jul 2019 12:56

Tgt Ion: 62 Resp: 1961
 Ion Ratio Lower Upper
 62 100
 64 24.2 25.6 38.4#

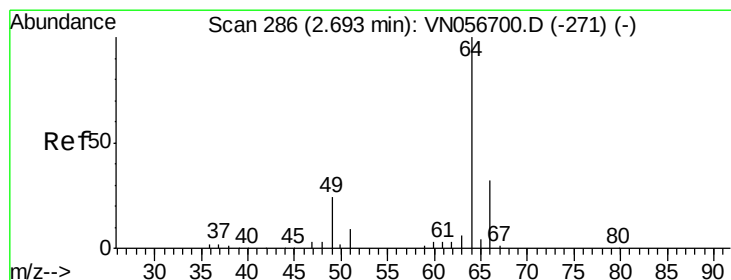
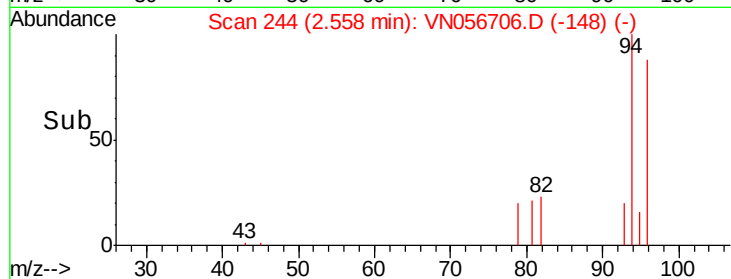
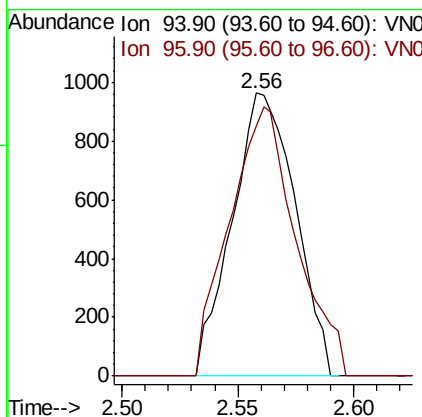
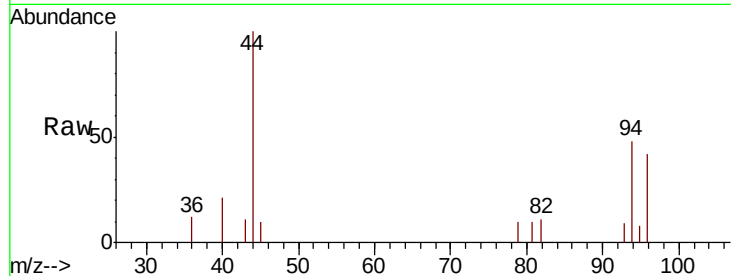




#5
Bromomethane
Concen: 0.781 ug/l
RT: 2.56 min Scan# 244
Delta R.T. 0.01 min
Lab File: VN056706.D
Acq: 15 Jul 2019 12:56

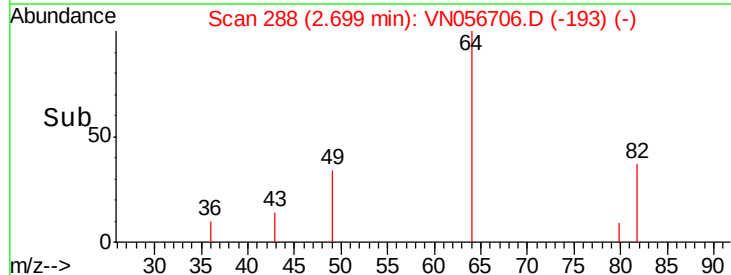
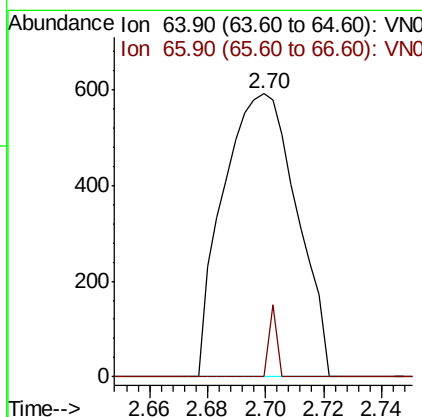
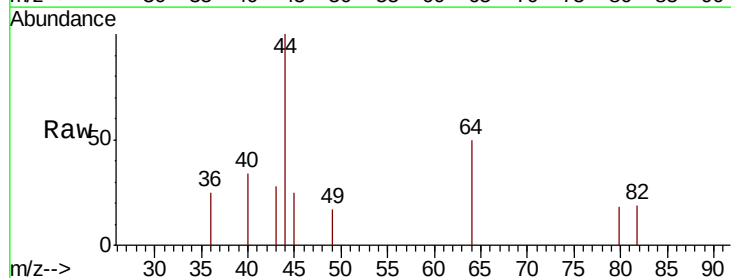
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

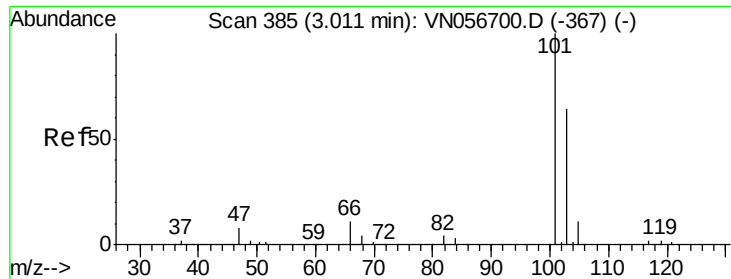
Tot Ion: 94 Resp: 1816
Ion Ratio Lower Upper
94 100
96 88.4 74.0 111.0



#6
Chloroethane
Concen: 0.452 ug/l
RT: 2.70 min Scan# 288
Delta R.T. 0.01 min
Lab File: VN056706.D
Acq: 15 Jul 2019 12:56

Tgt Ion: 64 Resp: 1041
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#



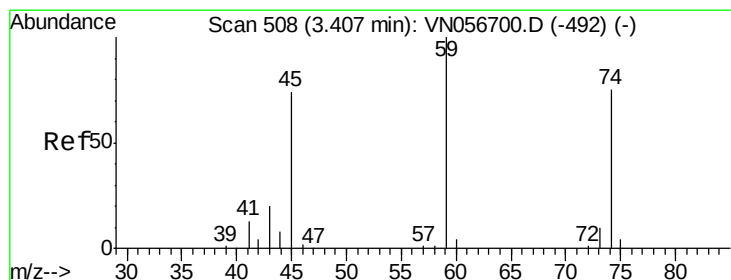
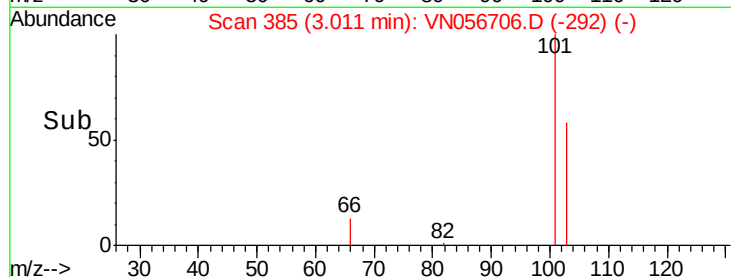
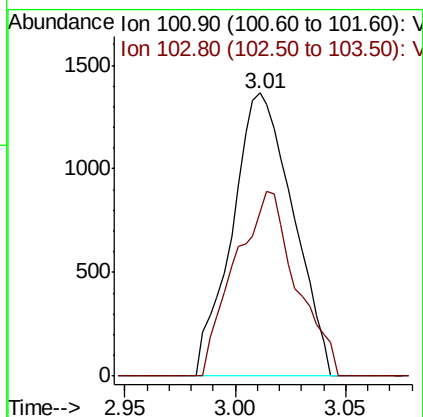
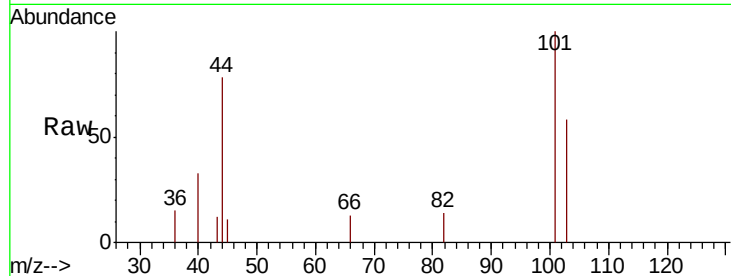


#7

Trichlorofluoromethane
Concen: 0.516 ug/l
RT: 3.01 min Scan# 385
Delta R.T. -0.00 min
Lab File: VN056706.D
Acq: 15 Jul 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

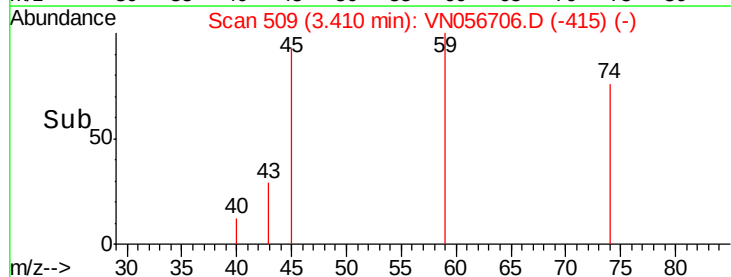
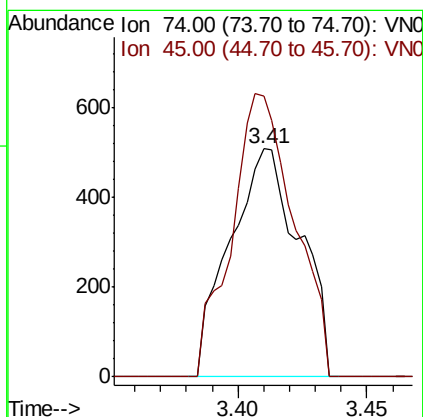
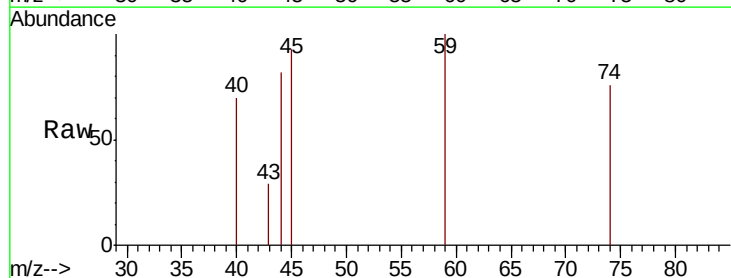
Tot Ion:101 Resp: 2617
Ion Ratio Lower Upper
101 100
103 58.1 51.5 77.3

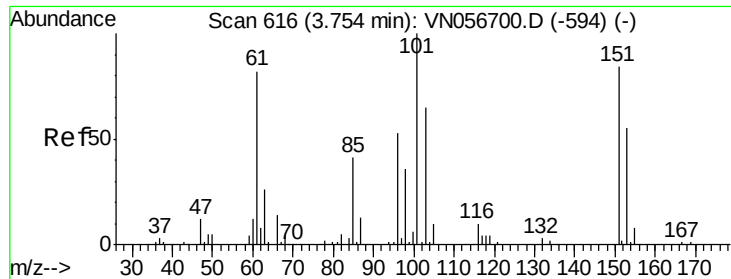


#8

Diethyl Ether
Concen: 0.483 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN056706.D
Acq: 15 Jul 2019 12:56

Tgt Ion: 74 Resp: 955
Ion Ratio Lower Upper
74 100
45 111.7 49.4 148.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.444 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.01 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

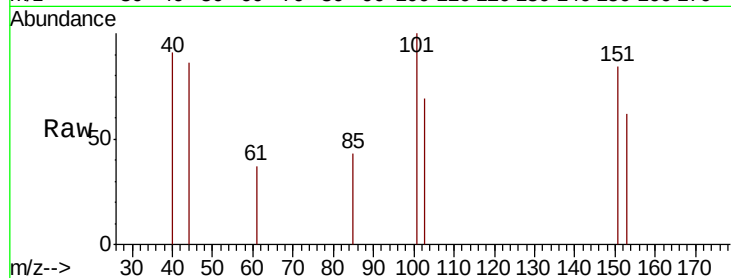
Tot Ion:101 Resp: 1353

Ion Ratio Lower Upper

101 100

85 30.0 33.3 49.9#

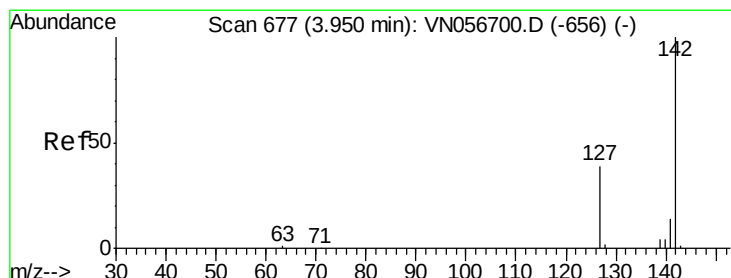
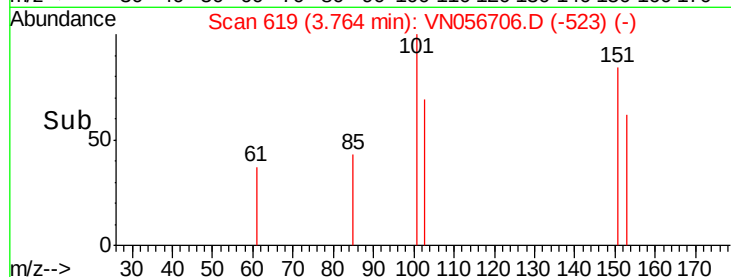
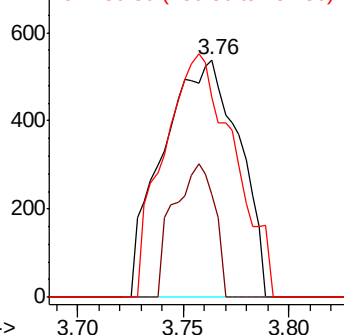
151 94.5 67.0 100.6



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: 0.374 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.01 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

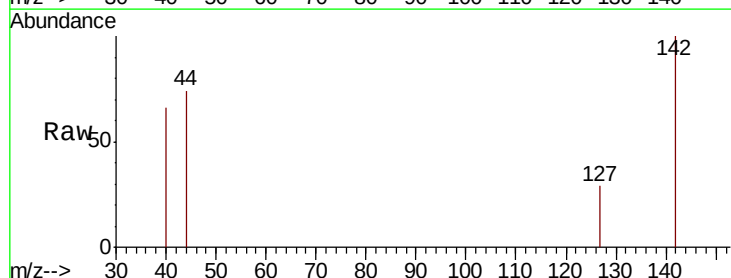
Tgt Ion:142 Resp: 1526

Ion Ratio Lower Upper

142 100

127 19.9 30.7 46.1#

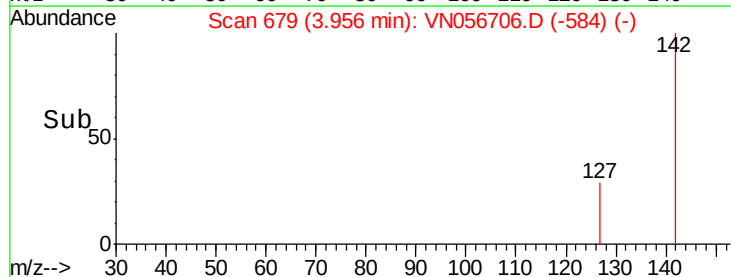
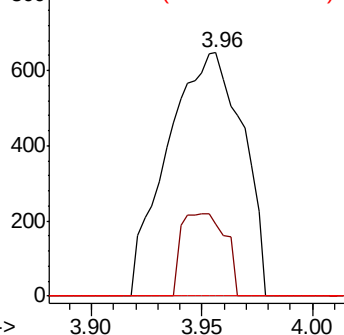
141 0.0 11.3 16.9#

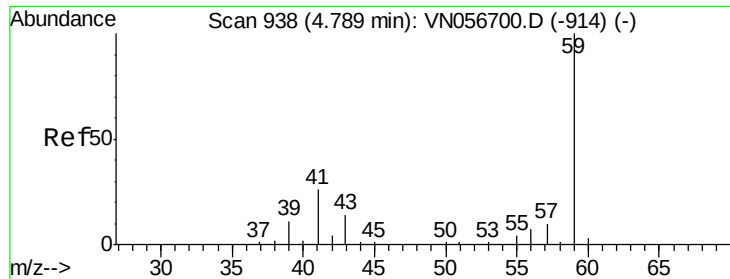


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

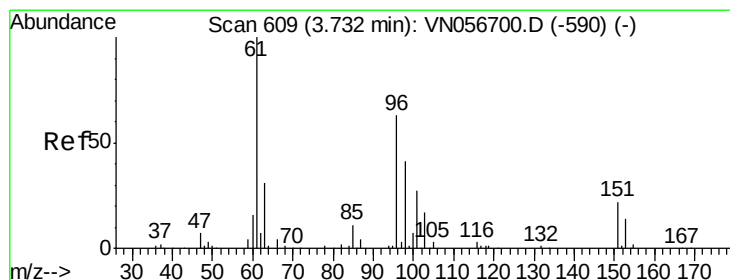
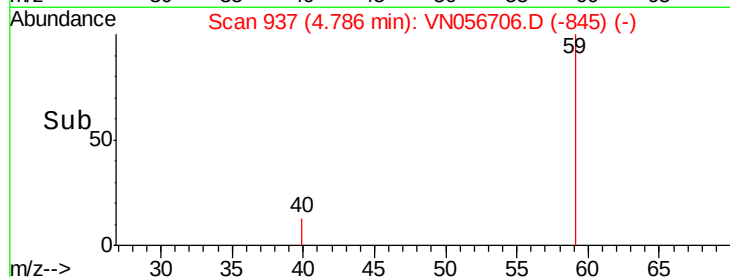
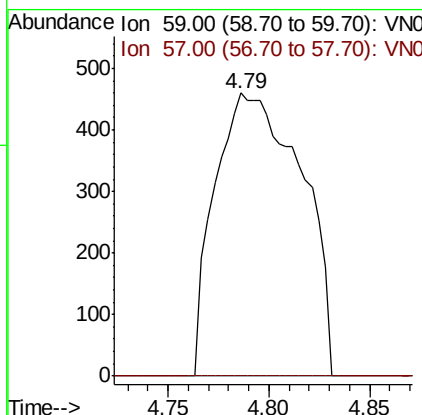
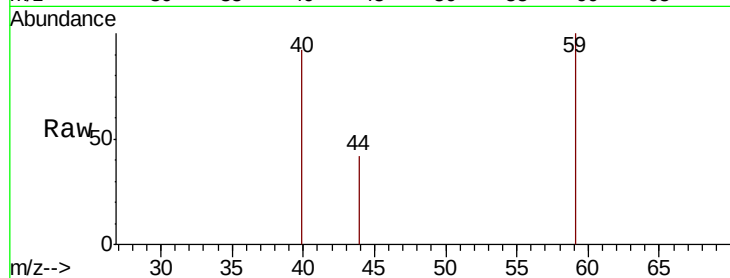




#11
Tert butyl alcohol
Concen: 2.280 ug/l
RT: 4.79 min Scan# 937
Delta R.T. -0.00 min
Lab File: VN056706.D
Acq: 15 Jul 2019 12:56

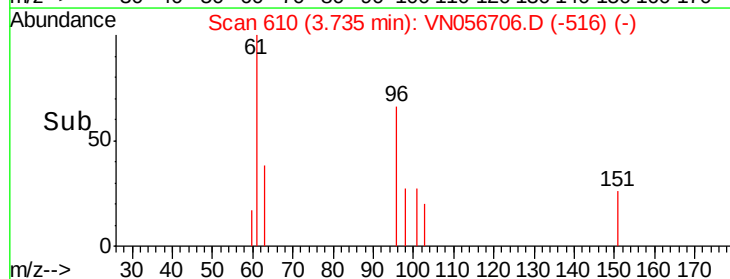
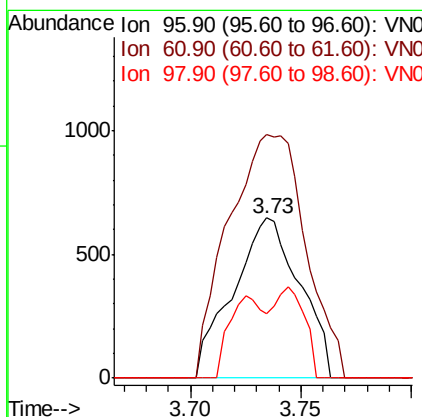
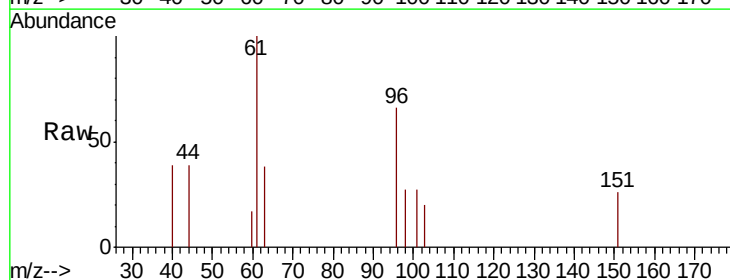
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

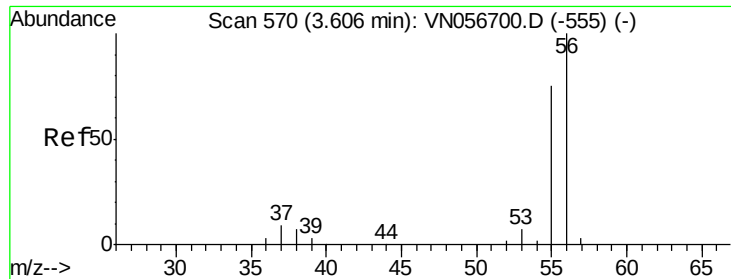
Tot Ion: 59 Resp: 1365
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#12
1,1-Dichloroethene
Concen: 0.443 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN056706.D
Acq: 15 Jul 2019 12:56

Tgt Ion: 96 Resp: 1355
Ion Ratio Lower Upper
96 100
61 151.9 126.6 189.8
98 40.3 51.4 77.2#





#13

Acrolein

Concen: 15.000 ug/l

RT: 3.62 min Scan# 575

Delta R.T. 0.02 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

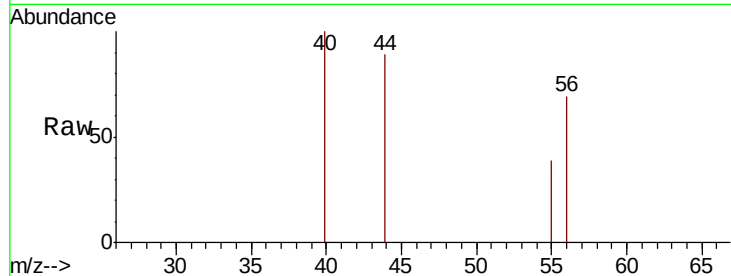
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 56 Resp: 925

Ion Ratio Lower Upper

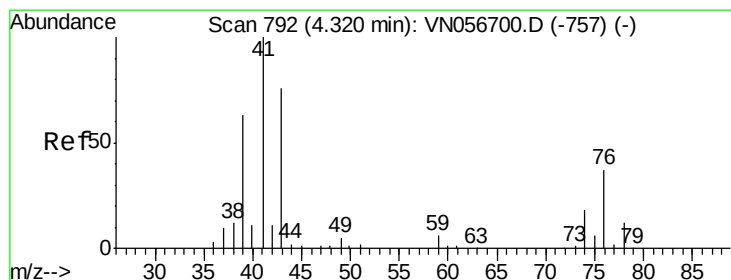
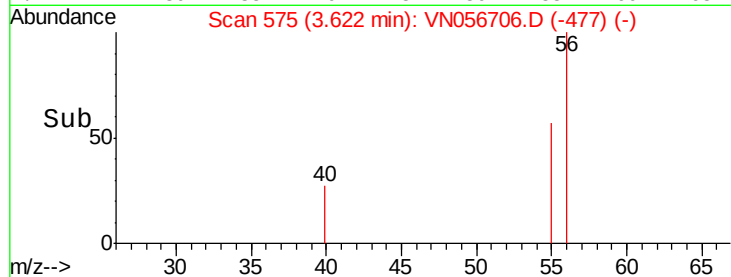
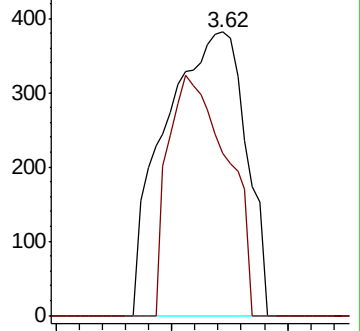
56 100

55 61.9 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 0.482 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

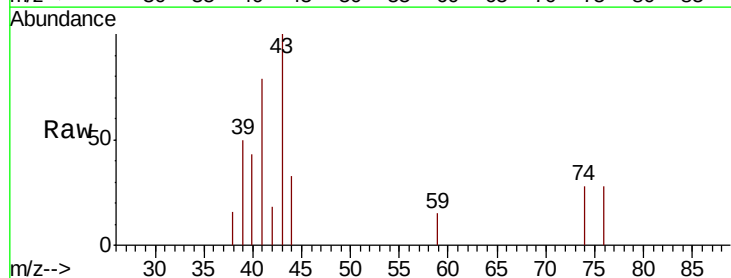
Tgt Ion: 41 Resp: 2549

Ion Ratio Lower Upper

41 100

39 0.0 46.9 70.3#

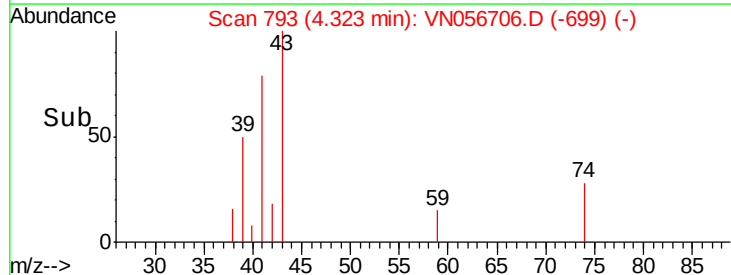
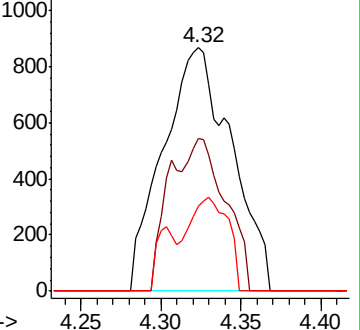
76 22.3 26.5 39.7#

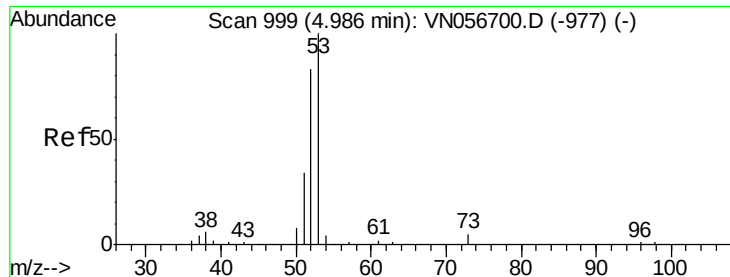


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 2.188 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. 0.02 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

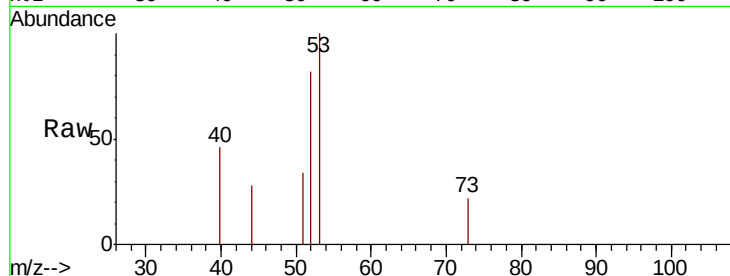
Tot Ion: 53 Resp: 3783

Ion Ratio Lower Upper

53 100

52 73.8 66.6 99.8

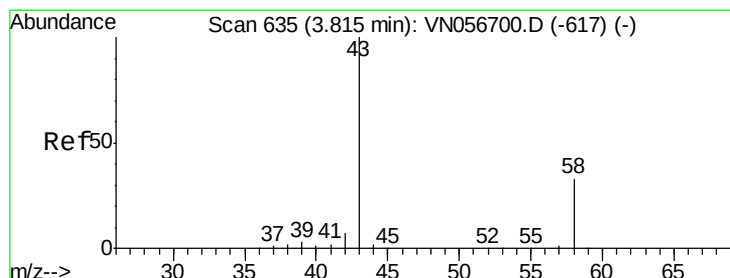
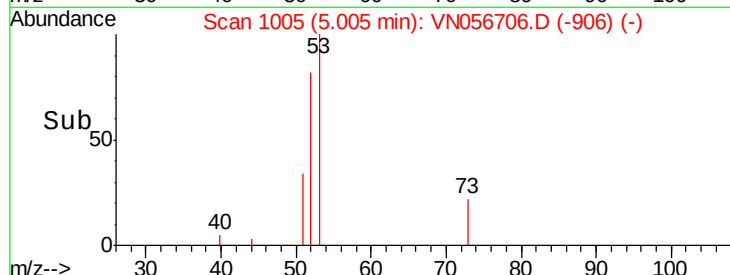
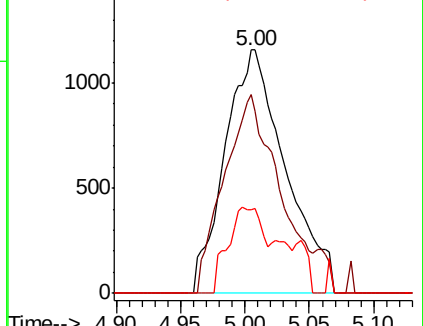
51 20.2 28.4 42.6#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 2.675 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056706.D

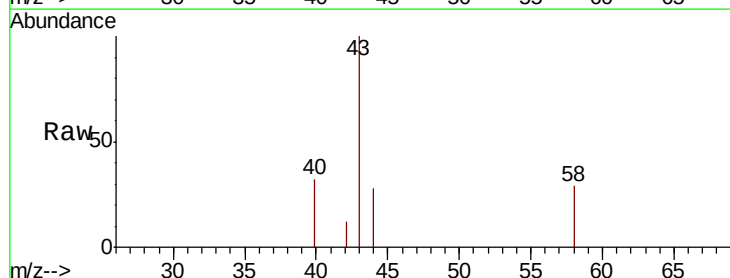
Acq: 15 Jul 2019 12:56

Tgt Ion: 43 Resp: 4435

Ion Ratio Lower Upper

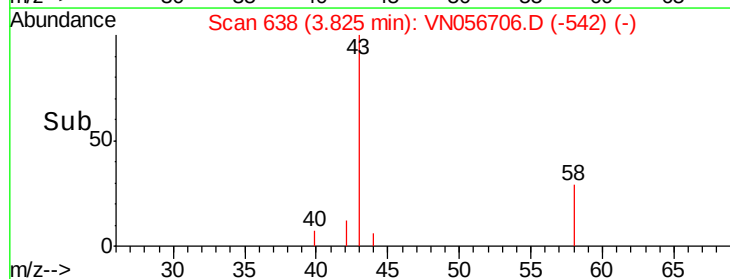
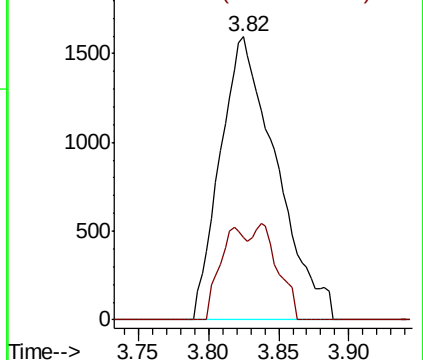
43 100

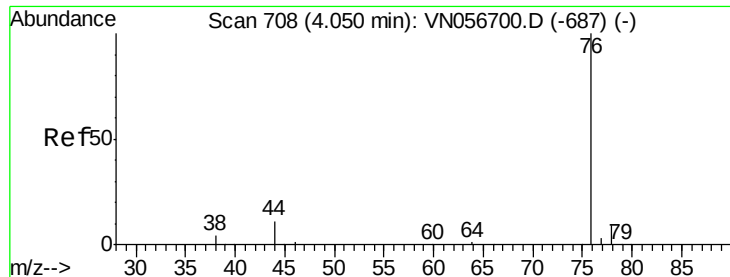
58 29.0 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 0.536 ug/l

RT: 4.05 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

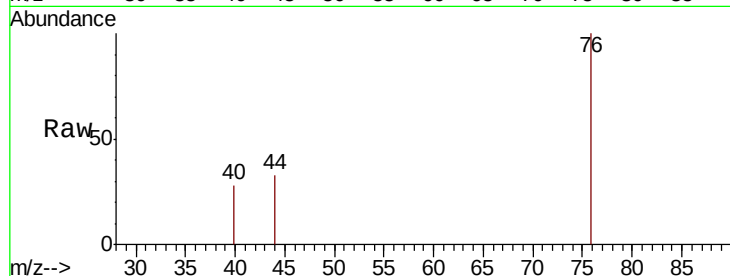
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 76 Resp: 4331

Ion Ratio Lower Upper

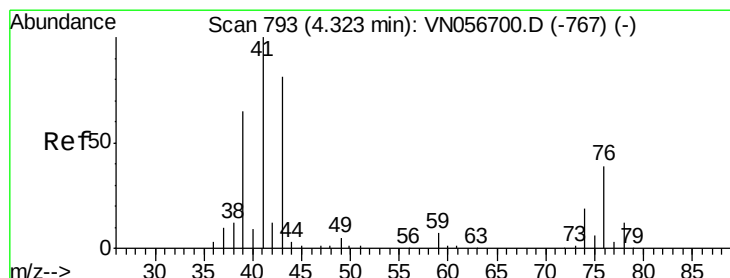
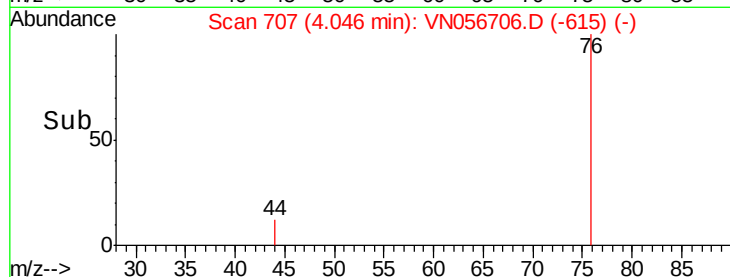
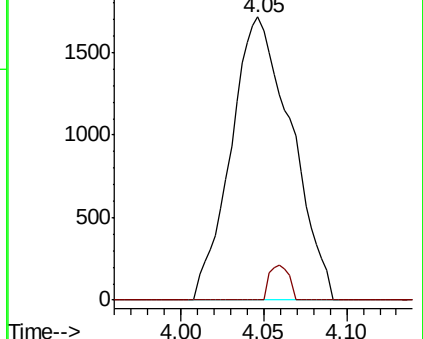
76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN056706.D

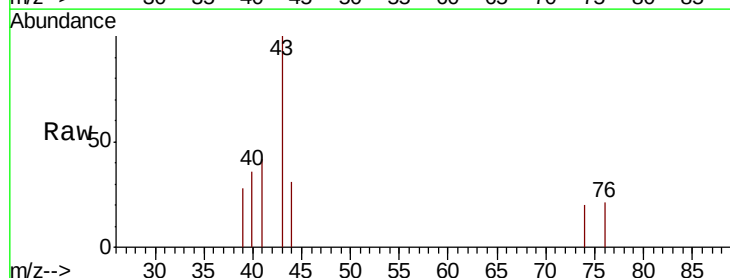
Acq: 15 Jul 2019 12:56

Tgt Ion: 43 Resp: 2246

Ion Ratio Lower Upper

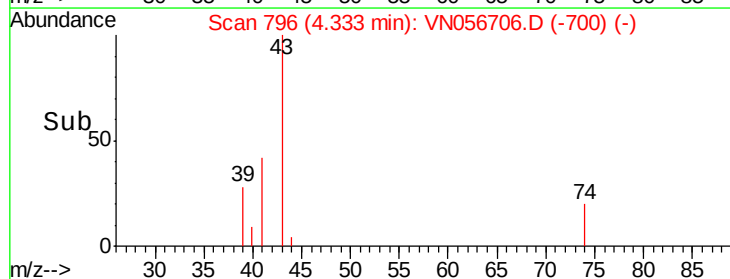
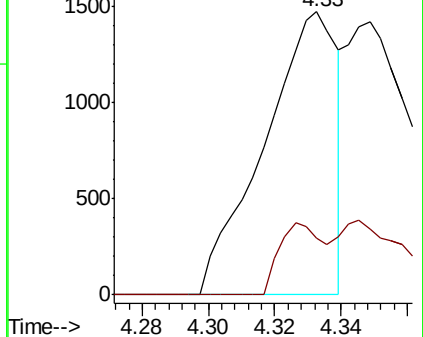
43 100

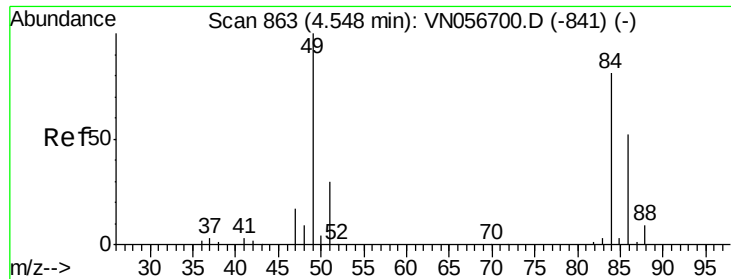
74 15.3 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

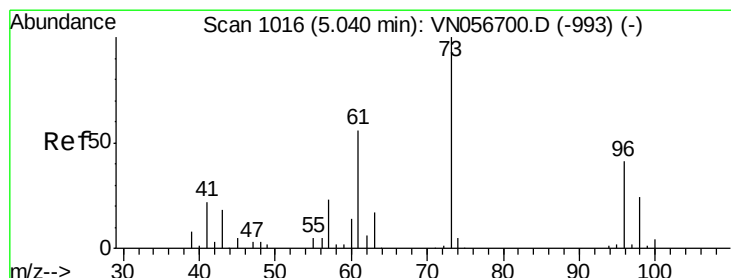
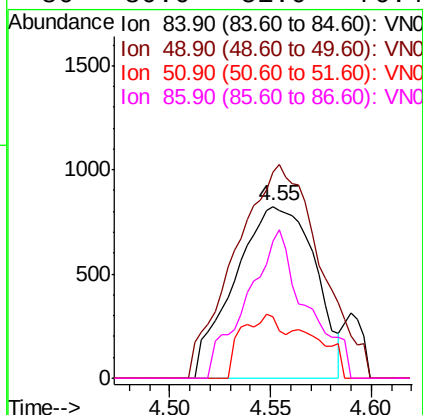
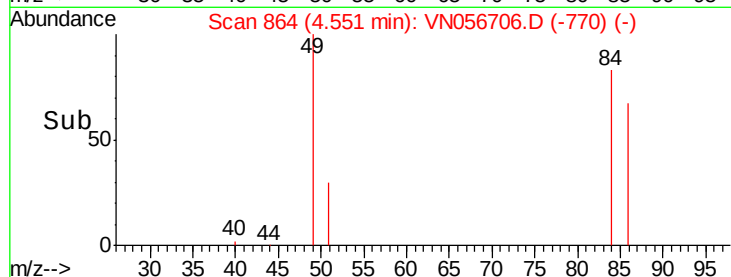
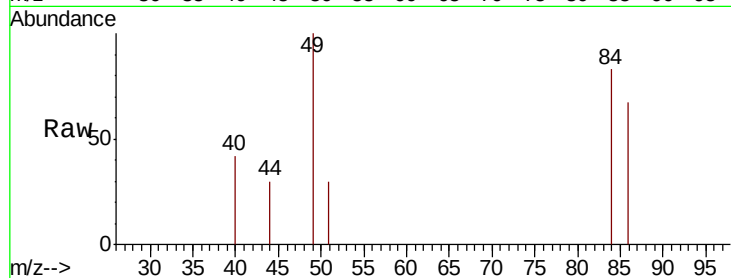




#20
Methylene Chloride
Concen: 0.631 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056706.D
Acq: 15 Jul 2019 12:56

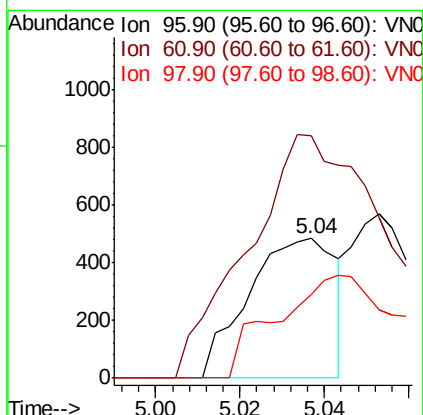
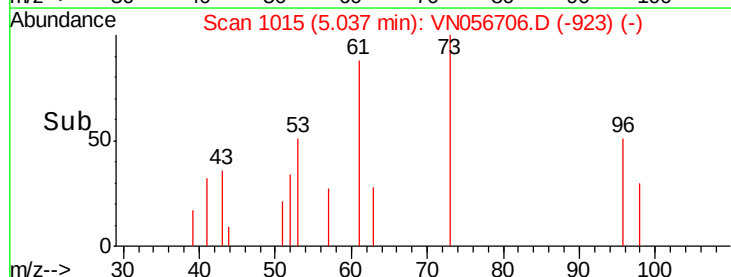
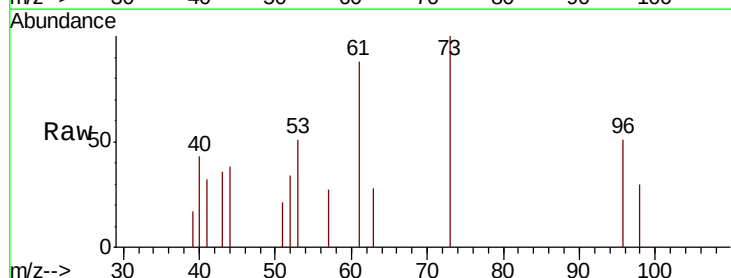
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

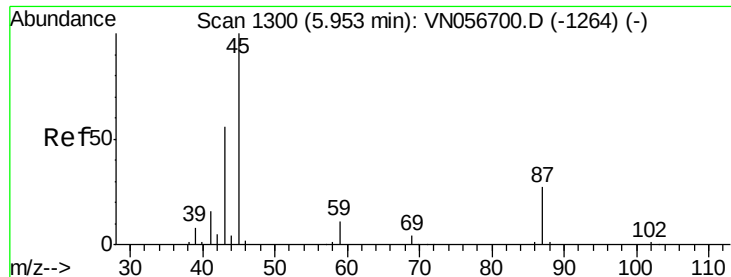
Tot Ion: 84 Resp: 2285
Ion Ratio Lower Upper
84 100
49 119.9 98.2 147.4
51 35.4 29.6 44.4
86 80.0 51.0 76.4#



#21
trans-1,2-Dichloroethene
Concen: 0.217 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN056706.D
Acq: 15 Jul 2019 12:56

Tgt Ion: 96 Resp: 700
Ion Ratio Lower Upper
96 100
61 142.1 109.4 164.2
98 59.8 48.0 72.0





#22

Diisopropyl ether

Concen: 0.479 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 45 Resp: 4997

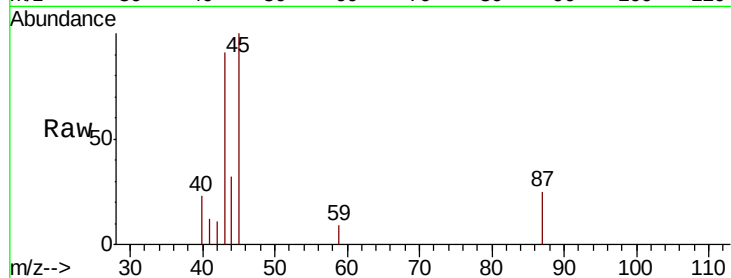
Ion Ratio Lower Upper

45 100

43 66.9 45.6 68.4

87 25.3 22.0 33.0

59 9.3 9.3 13.9

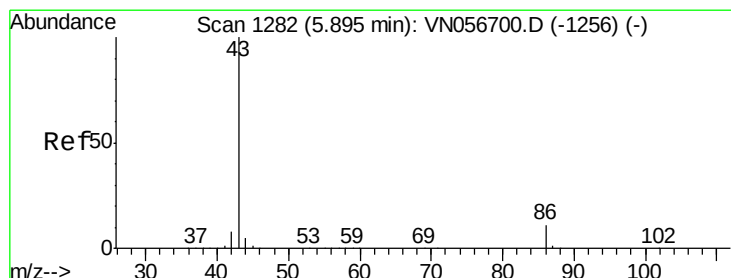
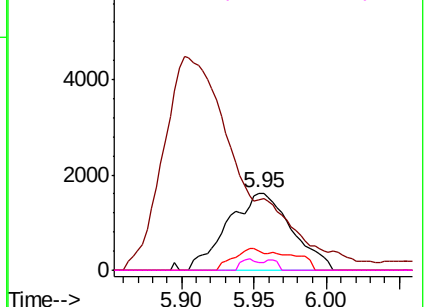
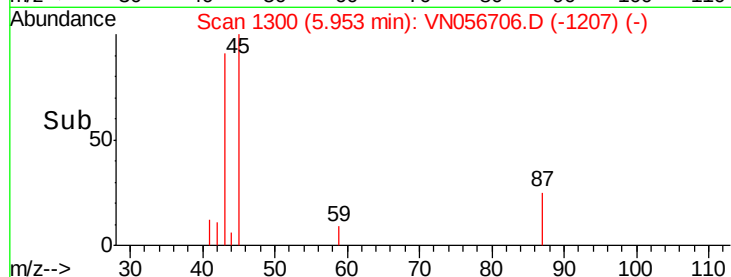


Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0



#23

Vinyl Acetate

Concen: 2.045 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VN056706.D

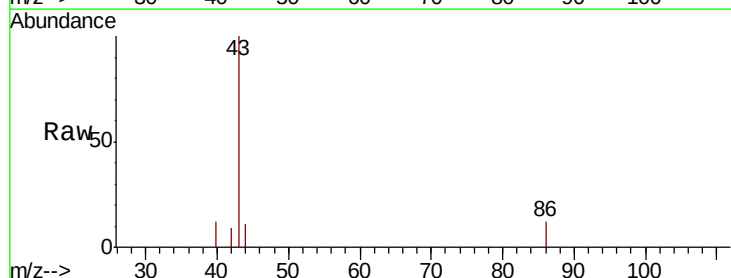
Acq: 15 Jul 2019 12:56

Tgt Ion: 43 Resp: 17298

Ion Ratio Lower Upper

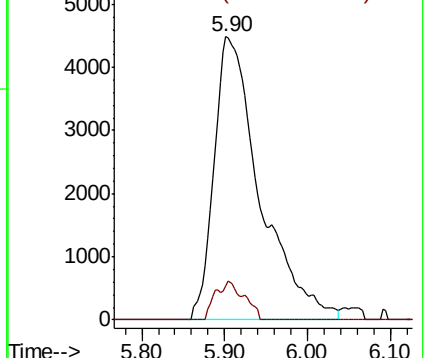
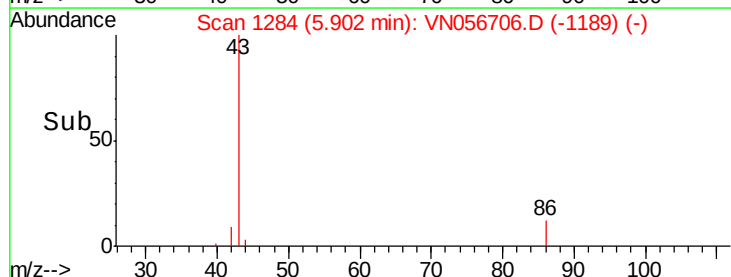
43 100

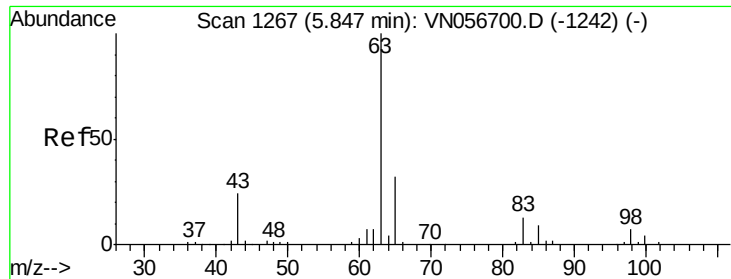
86 12.0 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

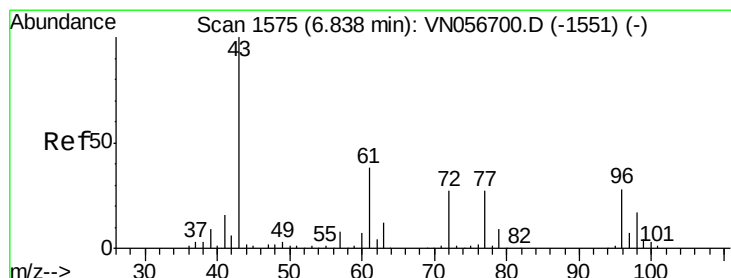
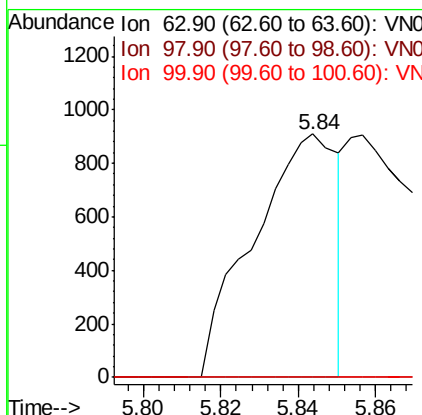
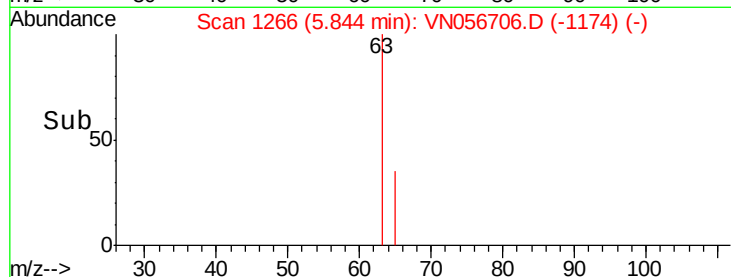
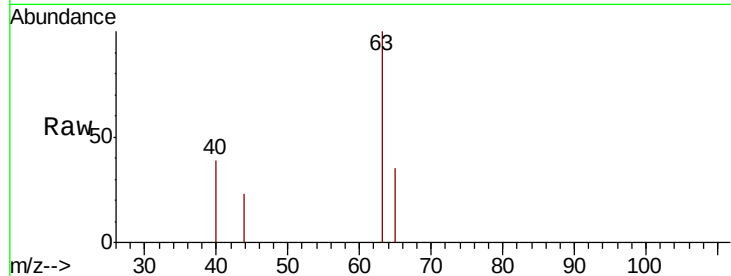




#24
 1,1-Dichloroethane
 Concen: 0.227 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN056706.D
 Acq: 15 Jul 2019 12:56

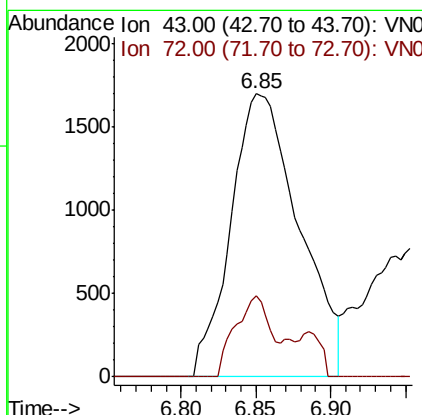
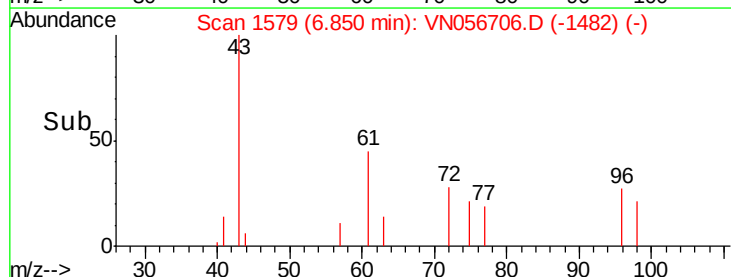
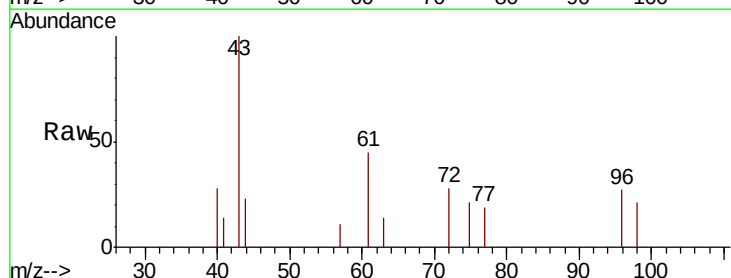
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

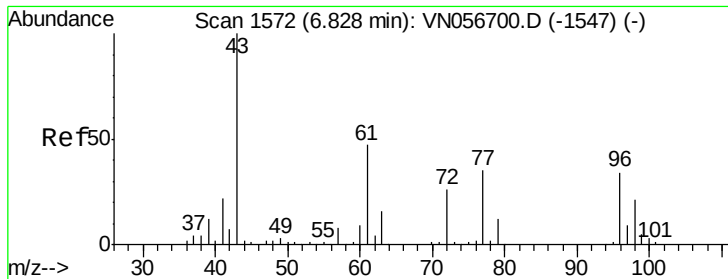
Tot Ion: 63 Resp: 1373
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.3 9.9#
 100 0.0 2.0 5.8#



#25
 2-Butanone
 Concen: 2.226 ug/l
 RT: 6.85 min Scan# 1579
 Delta R.T. 0.01 min
 Lab File: VN056706.D
 Acq: 15 Jul 2019 12:56

Tgt Ion: 43 Resp: 5394
 Ion Ratio Lower Upper
 43 100
 72 28.5 21.2 31.8

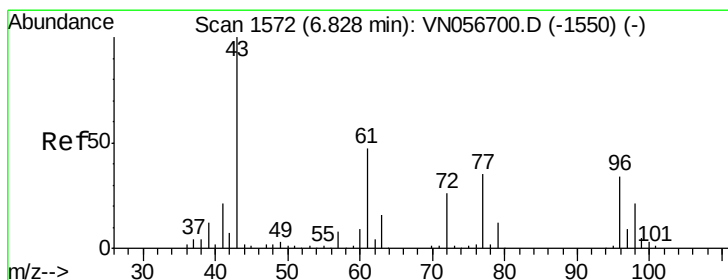
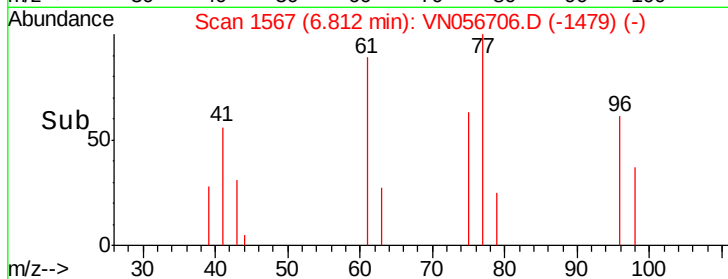
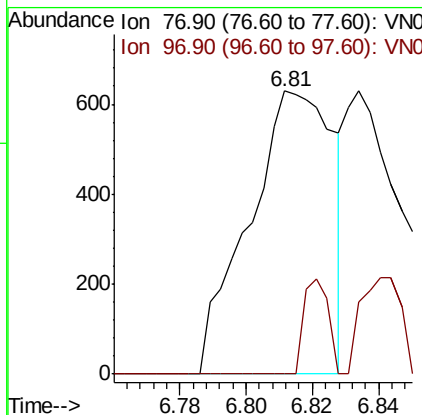
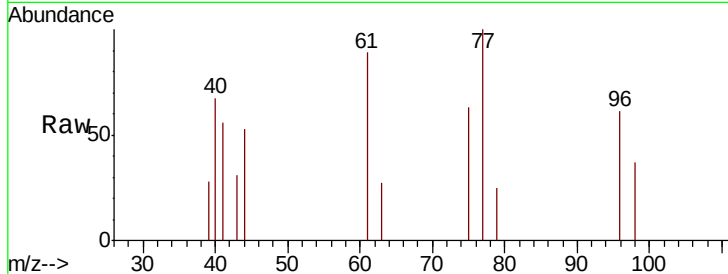




#26
 2,2-Dichloropropane
 Concen: 0.254 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: VN056706.D
 Acq: 15 Jul 2019 12:56

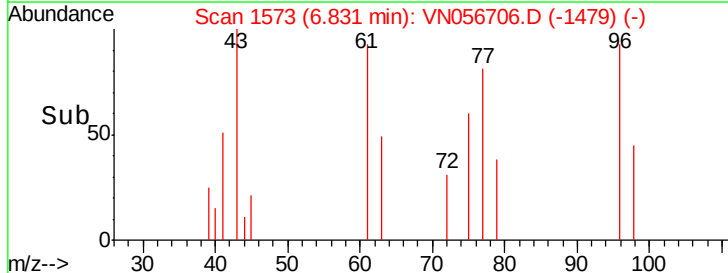
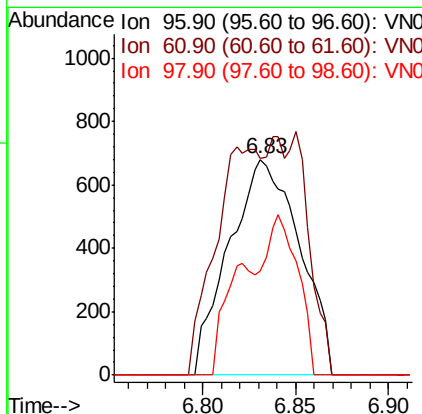
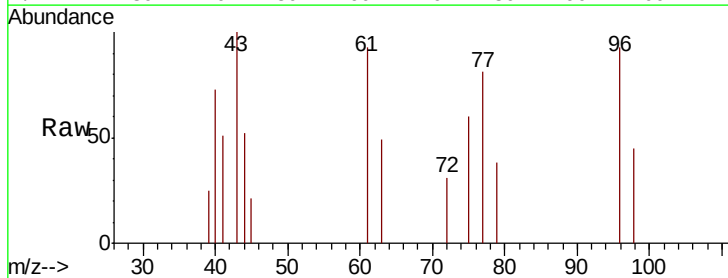
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

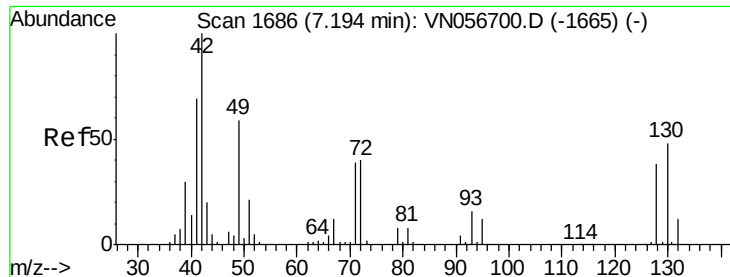
Tot Ion: 77 Resp: 1110
 Ion Ratio Lower Upper
 77 100
 97 9.9 12.2 36.6#



#27
 cis-1,2-Dichloroethene
 Concen: 0.484 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN056706.D
 Acq: 15 Jul 2019 12:56

Tgt Ion: 96 Resp: 1801
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 281.4
 98 32.6 0.0 127.8





#28

Bromochloromethane

Concen: 0.443 ug/l

RT: 7.20 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

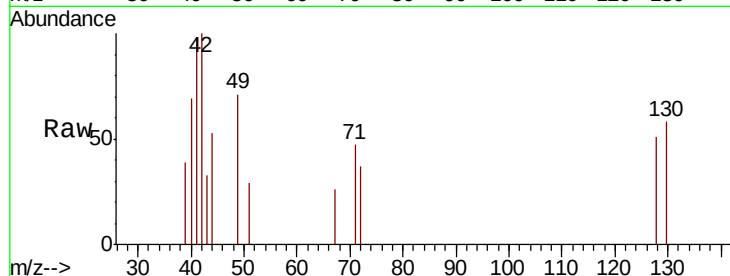
Tot Ion: 49 Resp: 1261

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

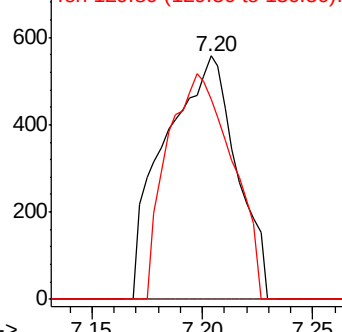
130 83.4 64.7 97.1



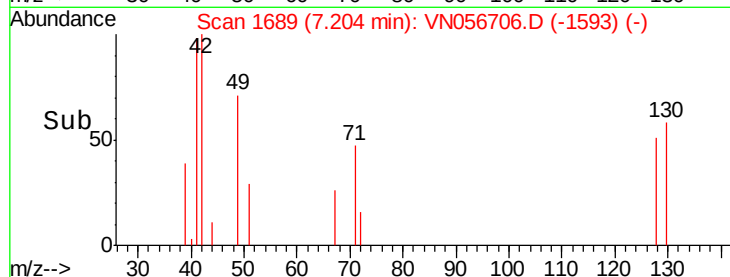
Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



Time-->



#29

Tetrahydrofuran

Concen: 2.358 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

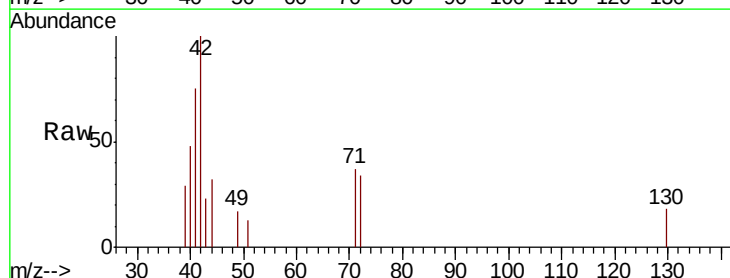
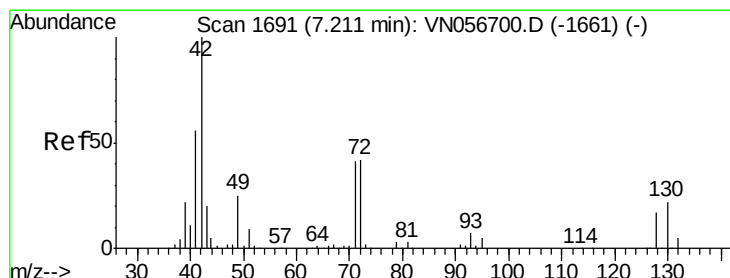
Tgt Ion: 42 Resp: 3728

Ion Ratio Lower Upper

42 100

72 23.0 33.5 50.3#

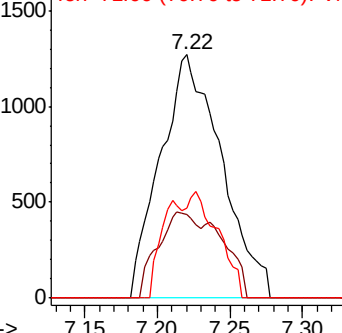
71 14.2 31.8 47.8#



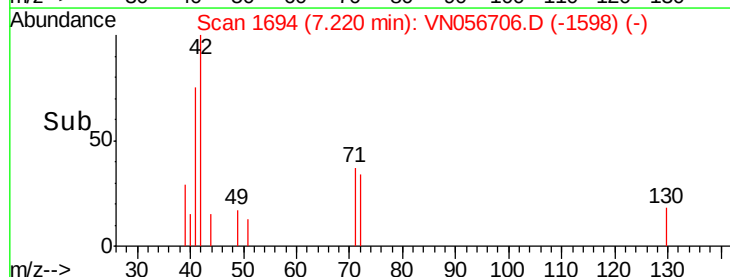
Abundance Ion 42.00 (41.70 to 42.70): VN0

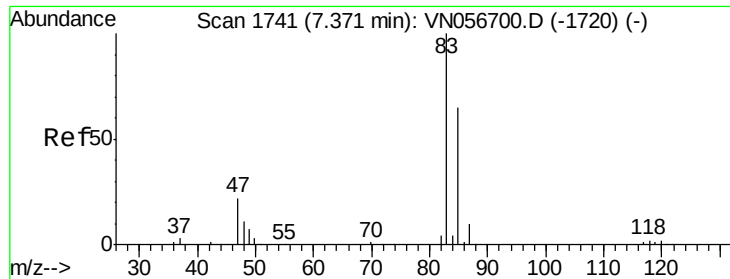
Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



Time-->

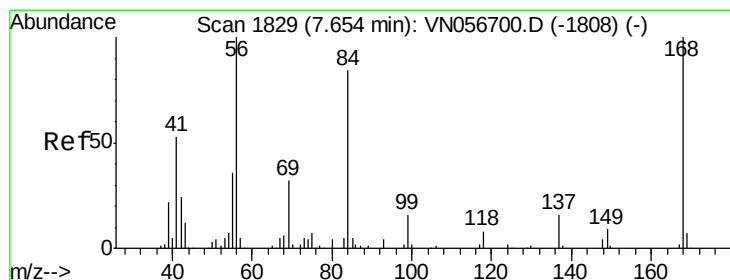
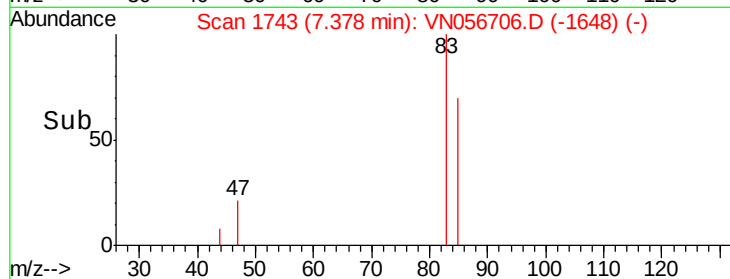
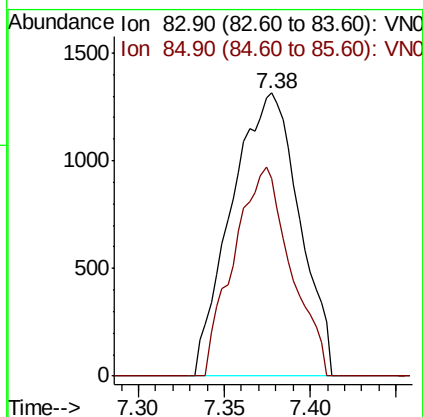
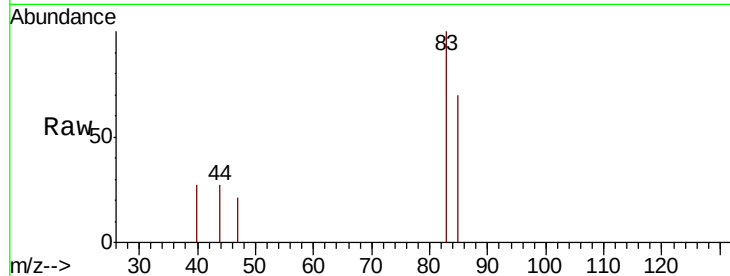




#30
Chloroform
Concen: 0.596 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.01 min
Lab File: VN056706.D
Acq: 15 Jul 2019 12:56

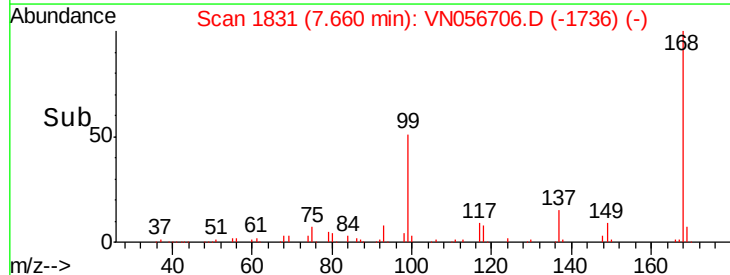
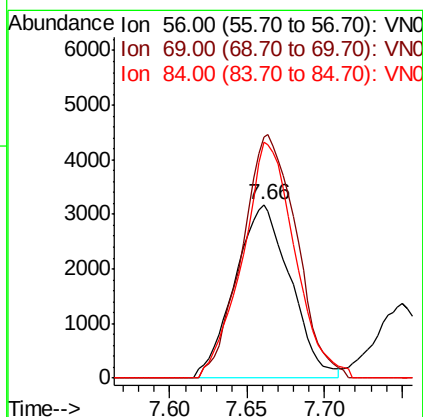
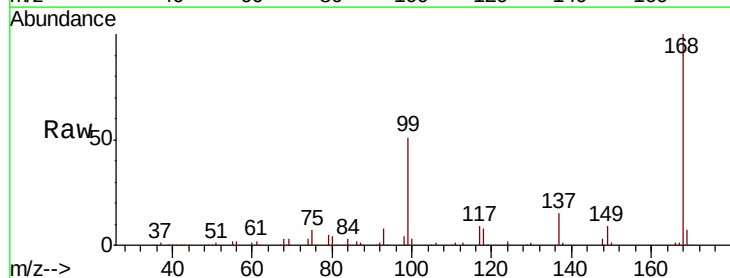
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

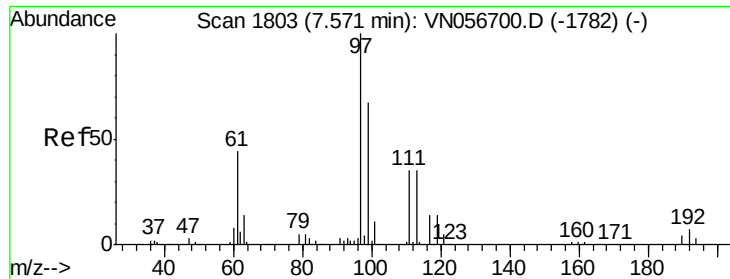
Tot Ion: 83 Resp: 3611
Ion Ratio Lower Upper
83 100
85 69.8 51.9 77.9



#31
Cyclohexane
Concen: 1.381 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN056706.D
Acq: 15 Jul 2019 12:56

Tgt Ion: 56 Resp: 7944
Ion Ratio Lower Upper
56 100
69 138.5 25.8 38.8#
84 135.6 67.4 101.0#





#32

1,1,1-Trichloroethane

Concen: 0.456 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

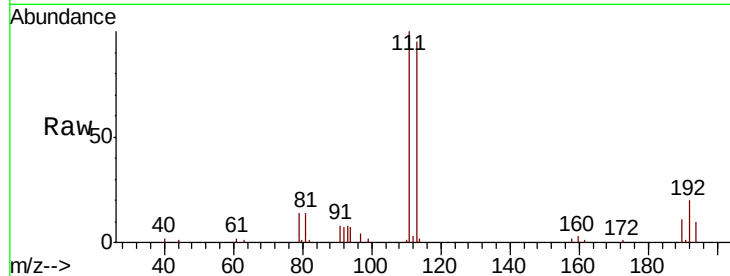
Tot Ion: 97 Resp: 2185

Ion Ratio Lower Upper

97 100

99 0.0 52.0 78.0#

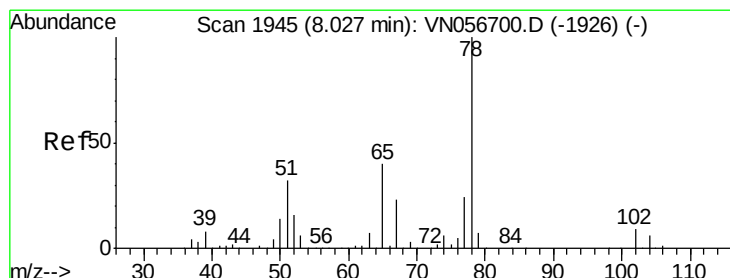
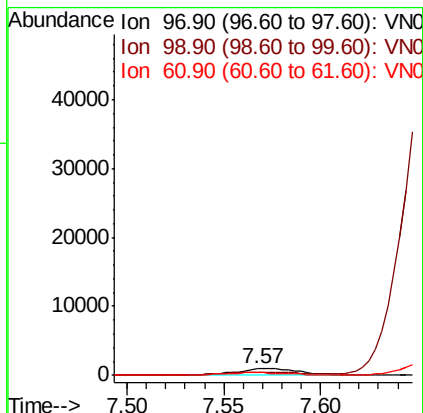
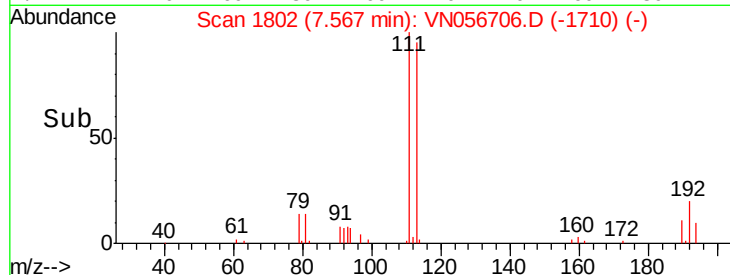
61 36.7 34.3 51.5



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 51.352 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN056706.D

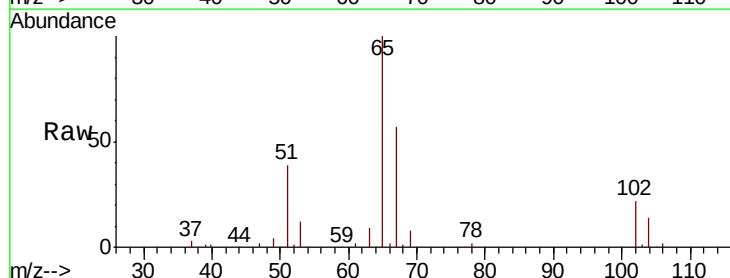
Acq: 15 Jul 2019 12:56

Tgt Ion: 65 Resp: 184733

Ion Ratio Lower Upper

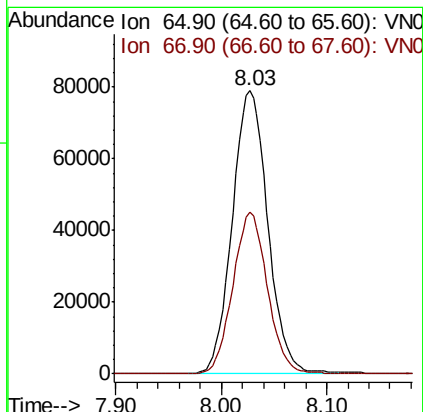
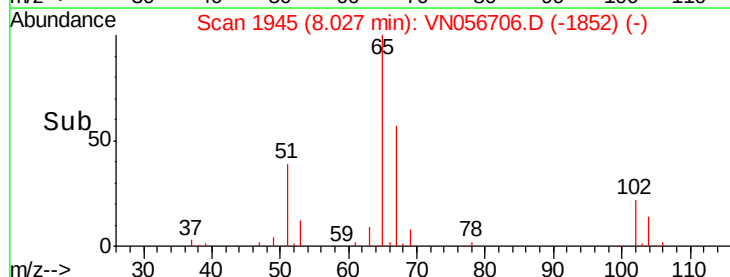
65 100

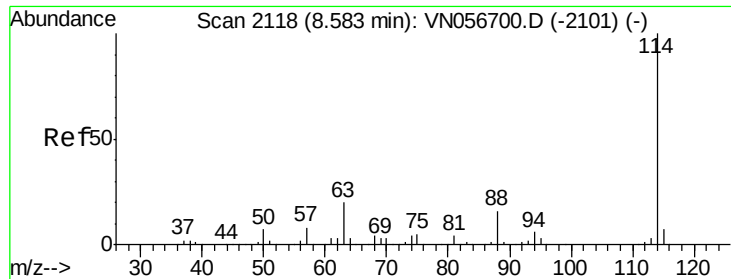
67 55.6 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

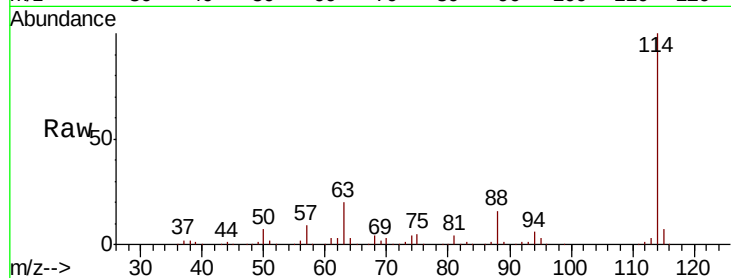




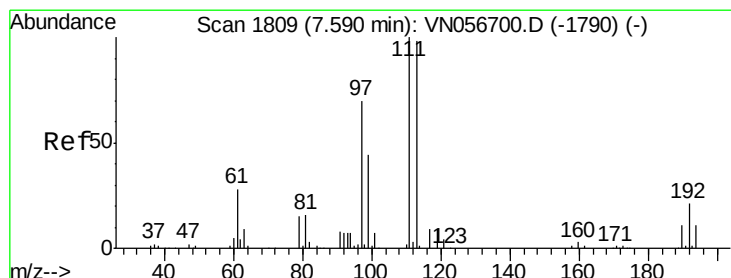
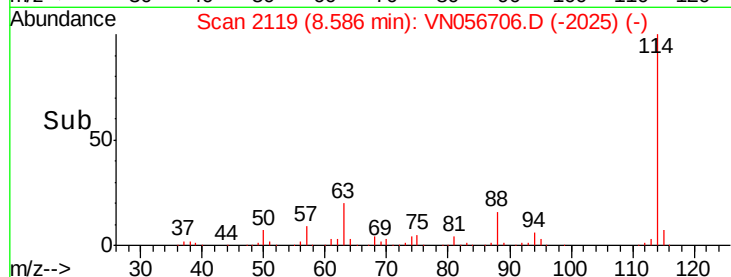
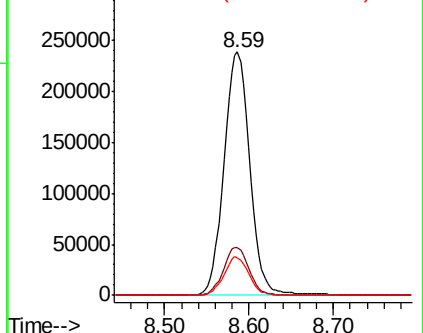
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056706.D
 Acq: 15 Jul 2019 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.4
88	15.6	0.0	31.2

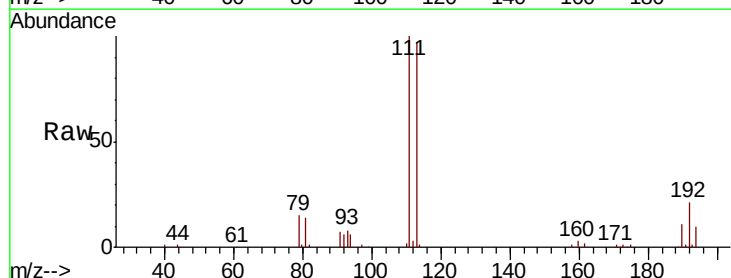


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

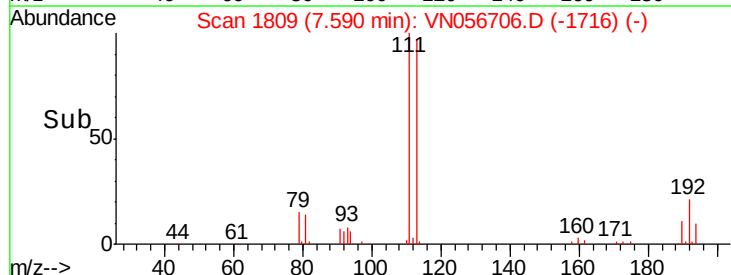
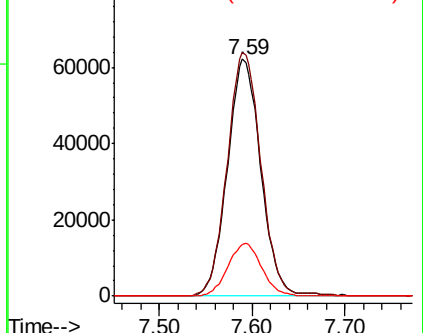


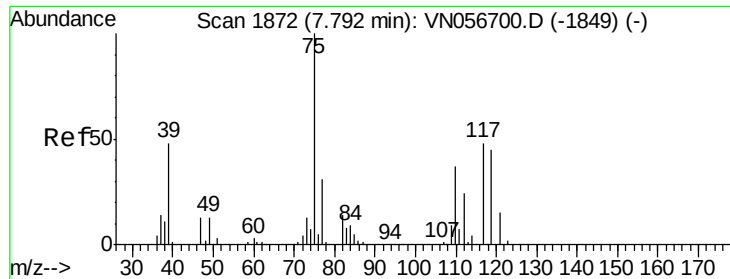
#35
 Dibromofluoromethane
 Concen: 49.236 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN056706.D
 Acq: 15 Jul 2019 12:56

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.8	122.6
192	22.4	17.5	26.3



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

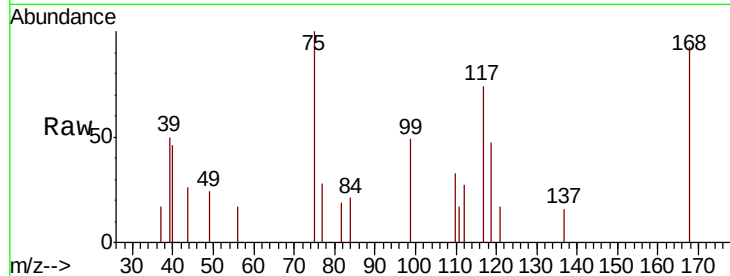




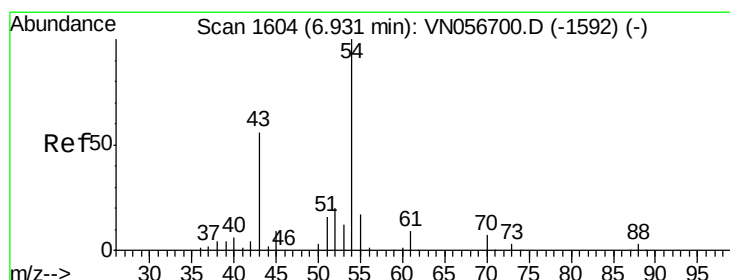
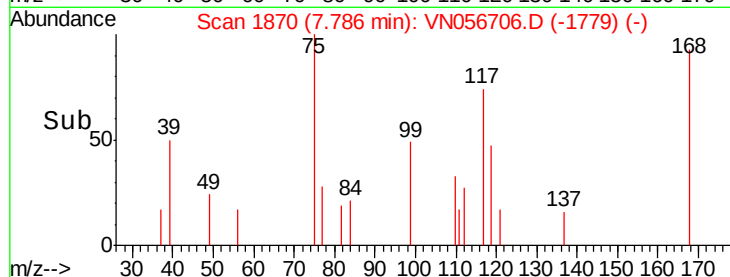
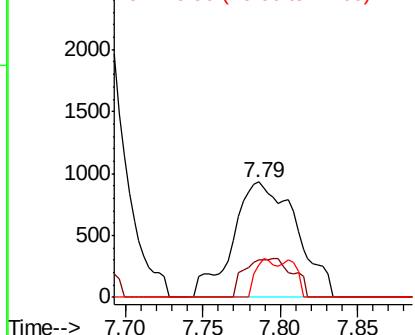
#36
 1,1-Dichloropropene
 Concen: 0.565 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. -0.01 min
 Lab File: VN056706.D
 Acq: 15 Jul 2019 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
75	100		
110	25.5	18.4	55.4
77	11.5	24.6	36.8#

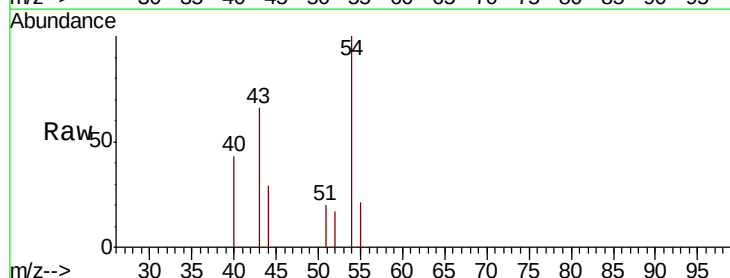


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0

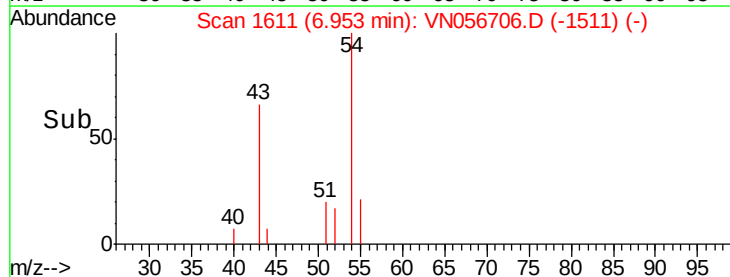
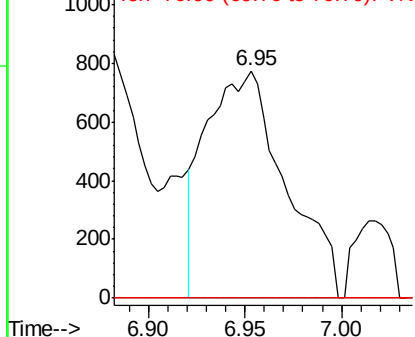


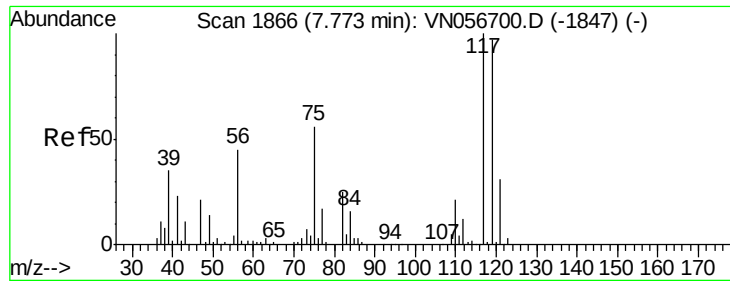
#37
 Ethyl Acetate
 Concen: 0.476 ug/l
 RT: 6.95 min Scan# 1611
 Delta R.T. 0.02 min
 Lab File: VN056706.D
 Acq: 15 Jul 2019 12:56

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.3	16.9#
70	0.0	8.5	12.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 0.528 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

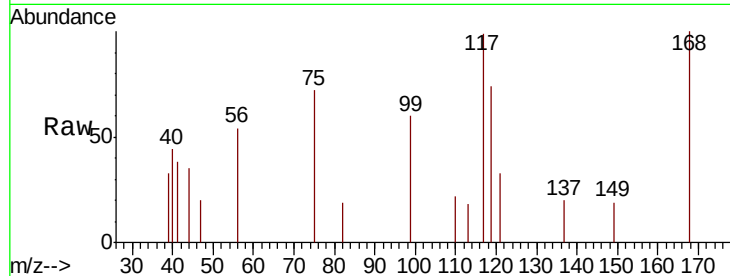
Tot Ion:117 Resp: 2330

Ion Ratio Lower Upper

117 100

119 75.0 77.5 116.3#

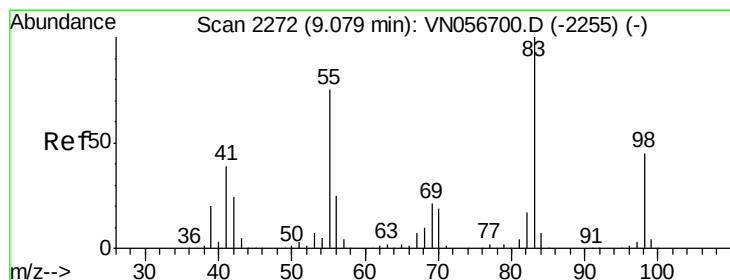
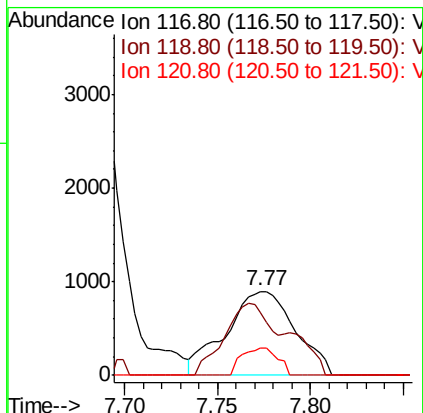
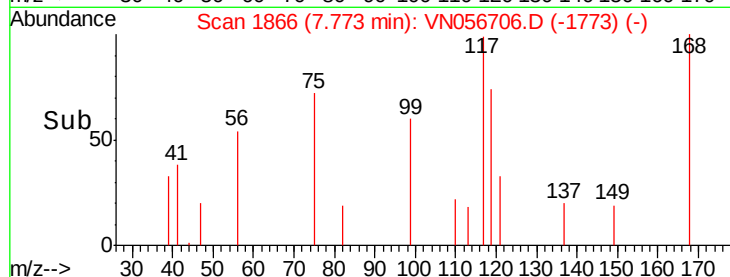
121 32.9 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.449 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

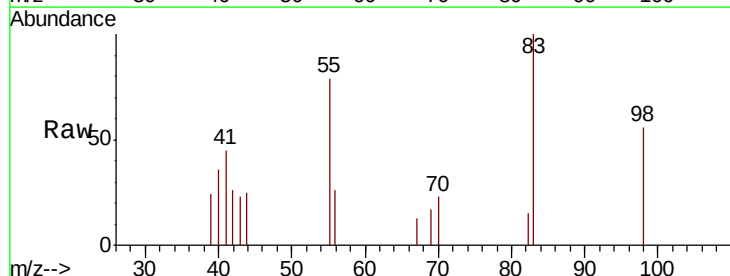
Tgt Ion: 83 Resp: 2609

Ion Ratio Lower Upper

83 100

55 78.9 60.4 90.6

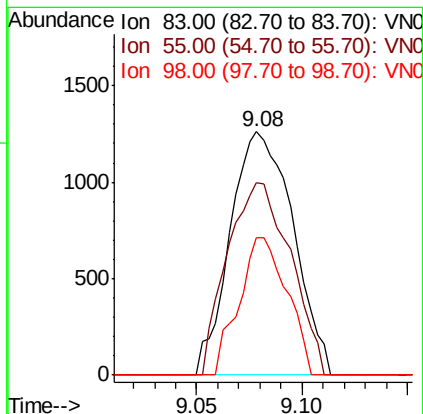
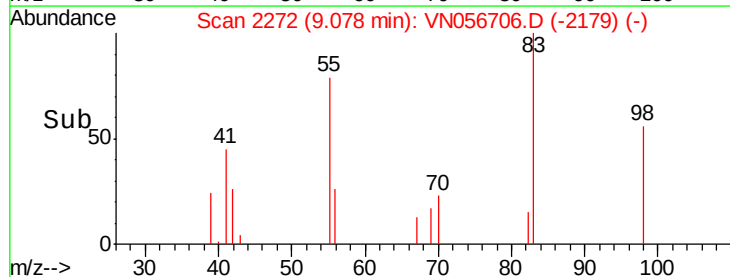
98 56.3 35.8 53.8#

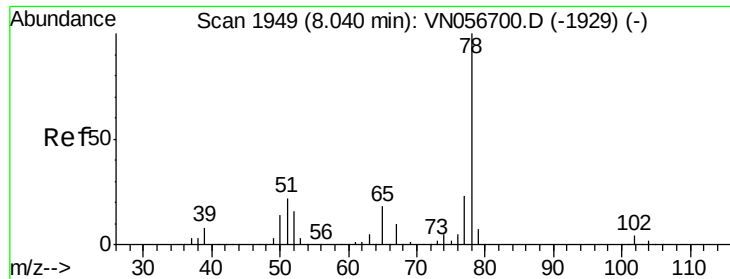


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 0.492 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

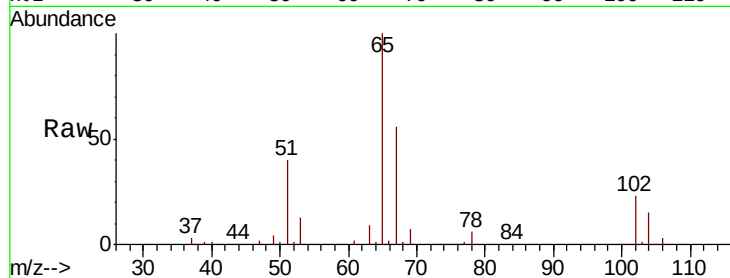
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 78 Resp: 7092

Ion Ratio Lower Upper

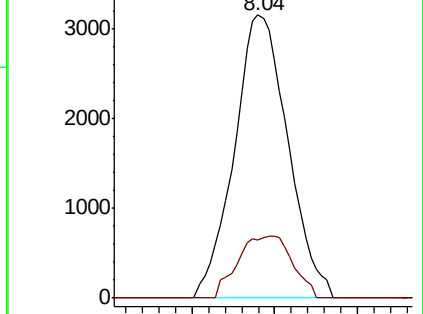
78 100

77 20.7 18.6 27.8

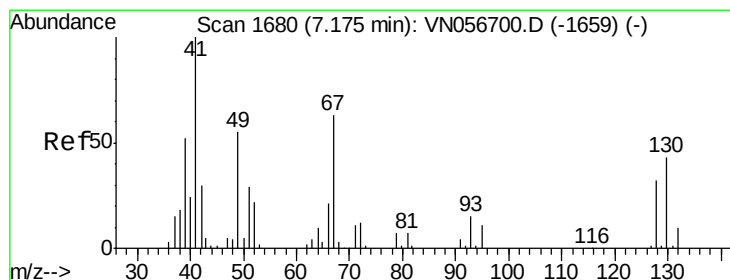
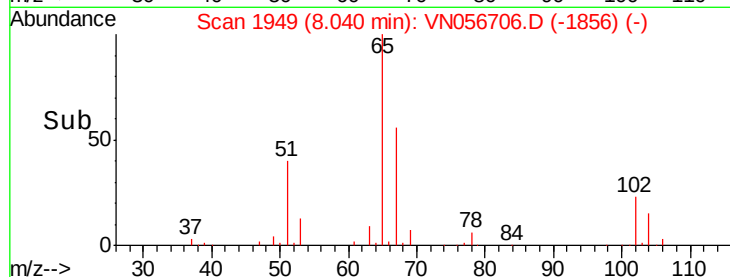


Abundance Ion 78.00 (77.70 to 78.70): VN056706.D (-1856) (-)

Ion 77.00 (76.70 to 77.70): VN056706.D (-1856) (-)



Time-->



#41

Methacrylonitrile

Concen: 0.907 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. 0.03 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

Tgt Ion: 41 Resp: 1846

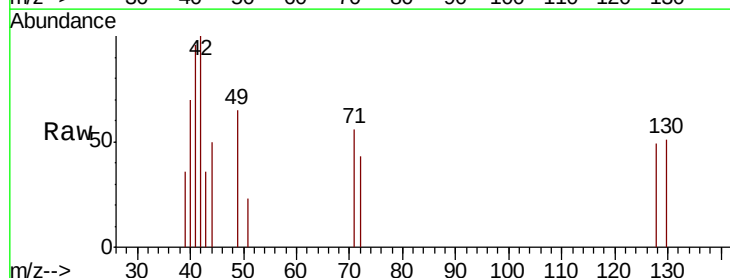
Ion Ratio Lower Upper

41 100

39 17.2 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

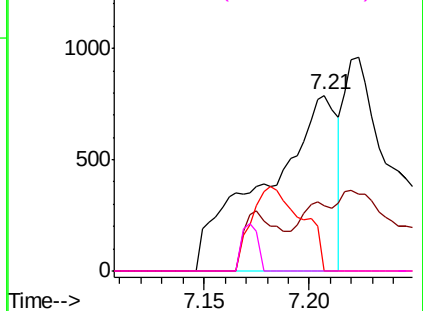


Abundance Ion 41.00 (40.70 to 41.70): VN056706.D (-1587) (-)

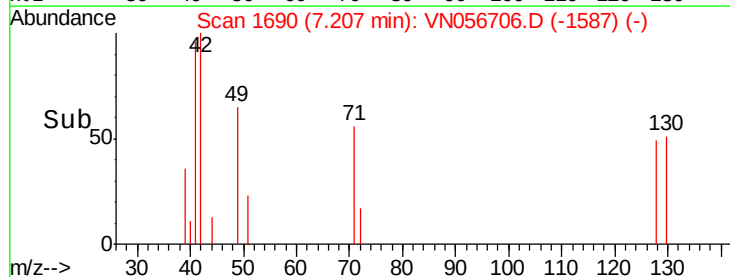
Ion 39.00 (38.70 to 39.70): VN056706.D (-1587) (-)

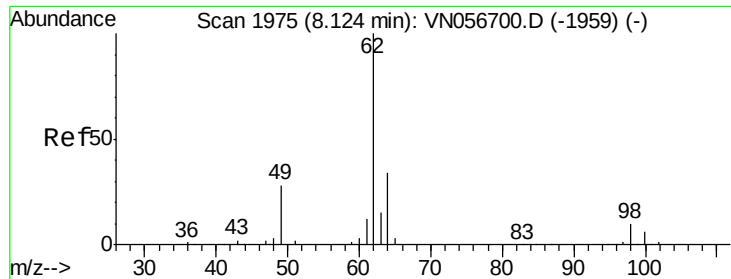
Ion 67.00 (66.70 to 67.70): VN056706.D (-1587) (-)

Ion 52.00 (51.70 to 52.70): VN056706.D (-1587) (-)



Time-->





#42

1,2-Dichloroethane

Concen: 0.527 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

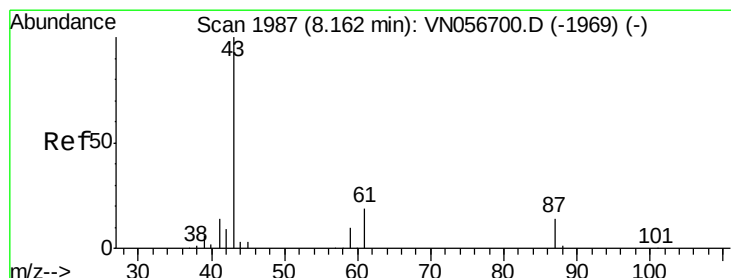
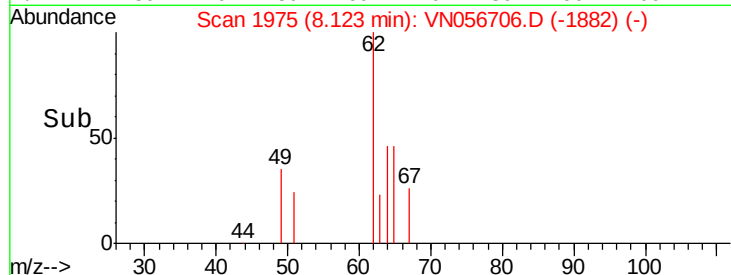
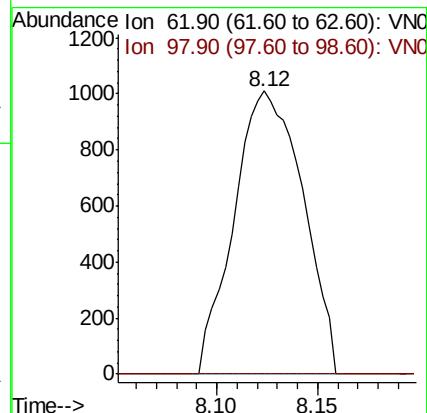
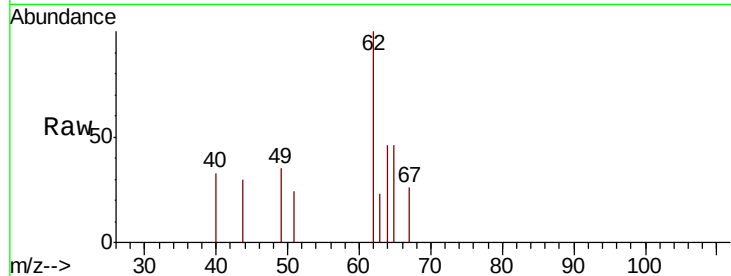
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 62 Resp: 2399

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 0.468 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

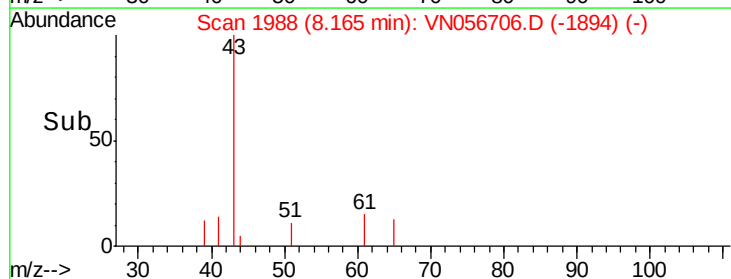
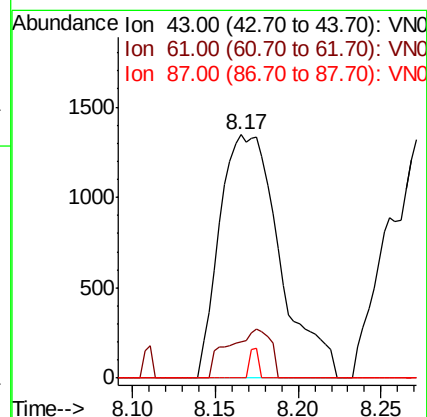
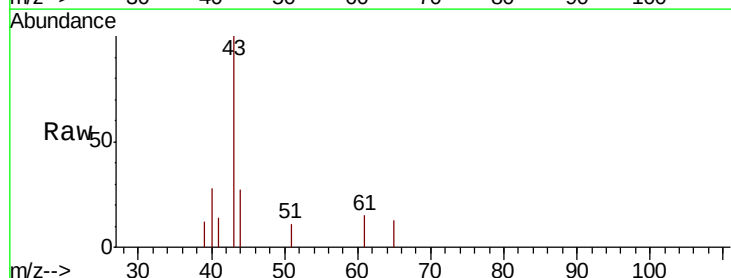
Tgt Ion: 43 Resp: 3406

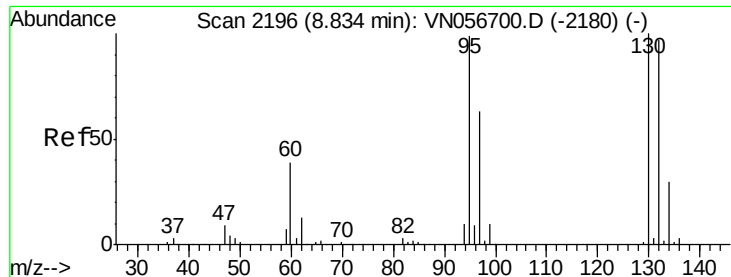
Ion Ratio Lower Upper

43 100

61 14.2 22.3 33.5#

87 1.8 11.1 16.7#





#44

Trichloroethene

Concen: 0.492 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

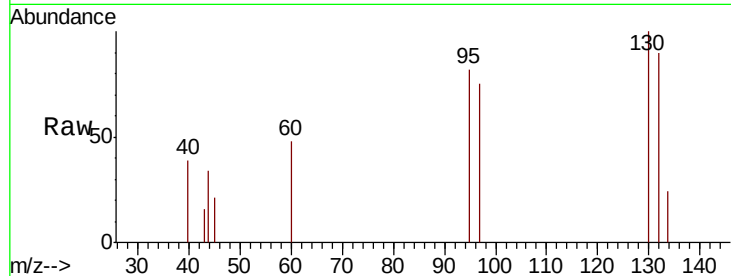
LOD-MDL-WATER-01-QT3-2019

Tot Ion:130 Resp: 1924

Ion Ratio Lower Upper

130 100

95 82.1 0.0 197.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.83

1000

800

600

400

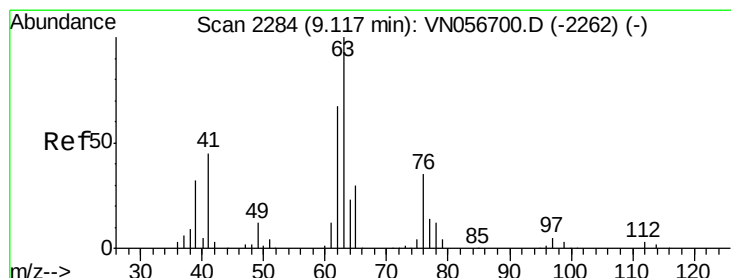
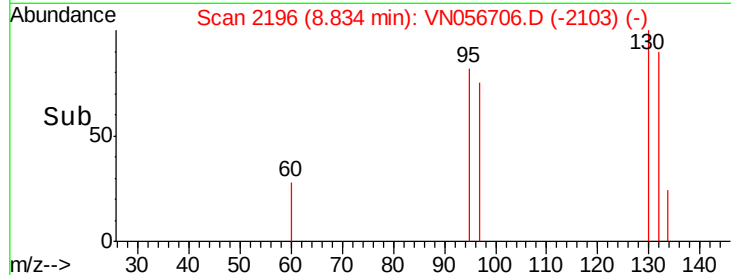
200

0

8.80

8.85

Time-->



#45

1,2-Dichloropropane

Concen: 0.448 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN056706.D

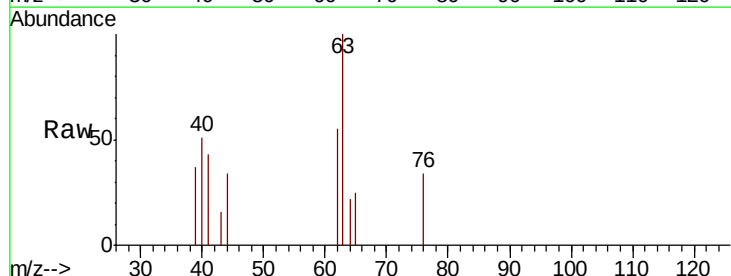
Acq: 15 Jul 2019 12:56

Tgt Ion: 63 Resp: 1715

Ion Ratio Lower Upper

63 100

65 25.4 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN

9.12

1000

800

600

400

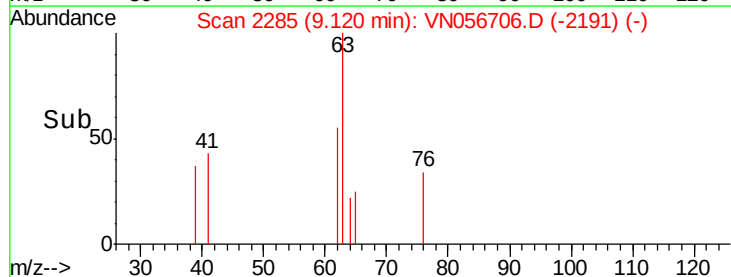
200

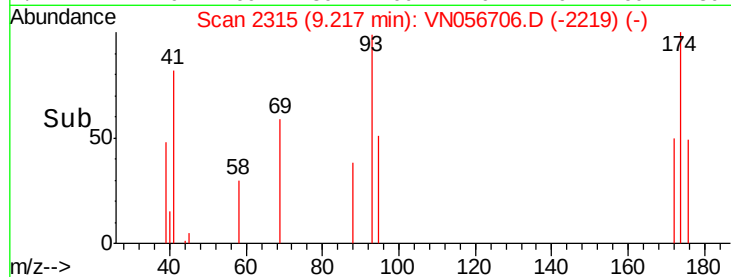
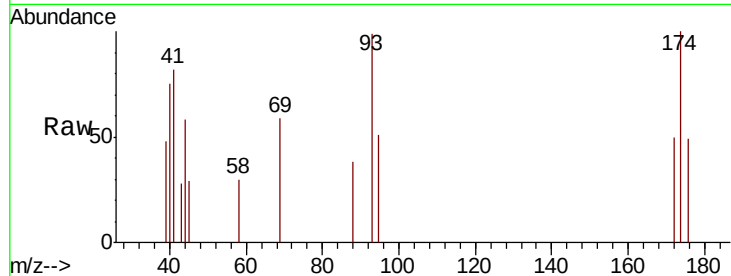
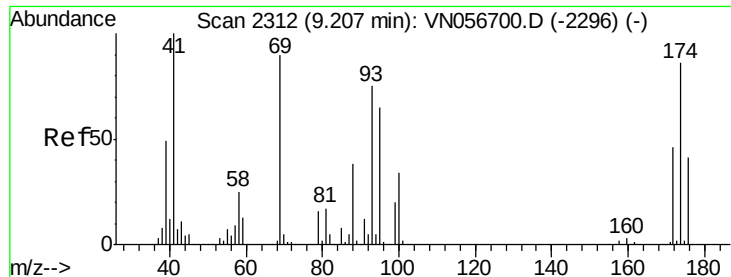
0

9.10

9.15

Time-->

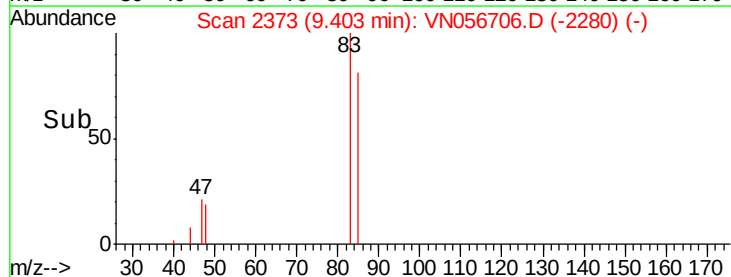
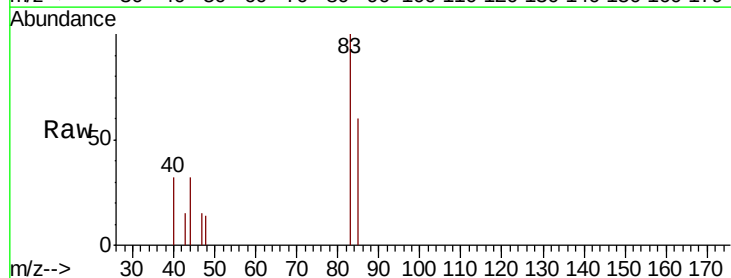
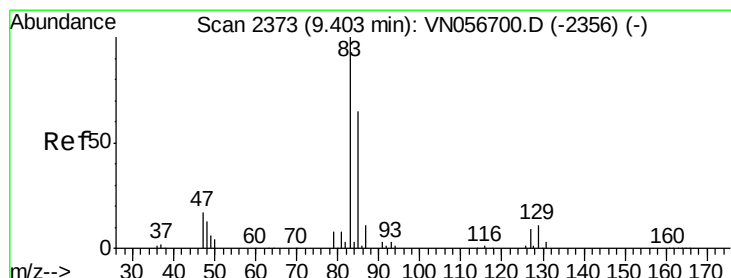
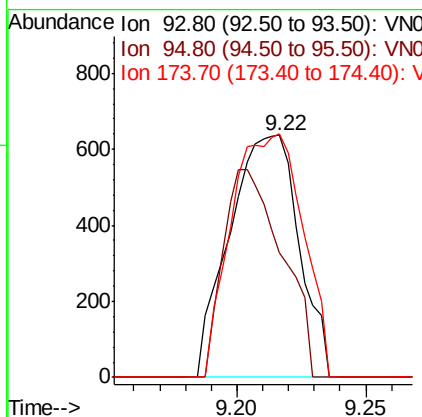




#46
Dibromomethane
Concen: 0.505 ug/l
RT: 9.22 min Scan# 2315
Delta R.T. 0.01 min
Lab File: VN056706.D
Acq: 15 Jul 2019 12:56

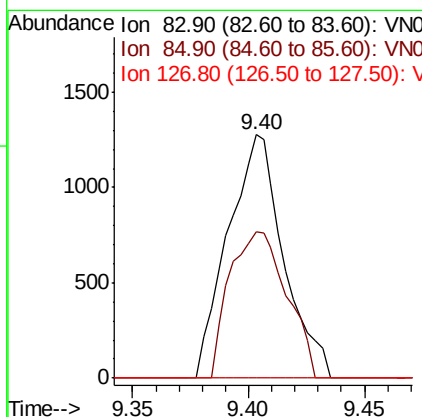
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

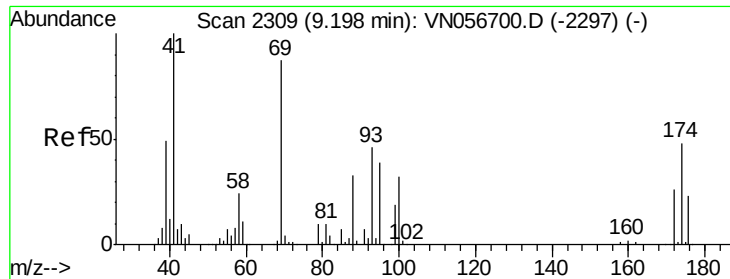
Tot Ion: 93 Resp: 1198
Ion Ratio Lower Upper
93 100
95 72.5 67.4 101.0
174 103.3 90.3 135.5



#47
Bromodichloromethane
Concen: 0.472 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN056706.D
Acq: 15 Jul 2019 12:56

Tgt Ion: 83 Resp: 2128
Ion Ratio Lower Upper
83 100
85 60.3 52.3 78.5
127 0.0 7.6 11.4#

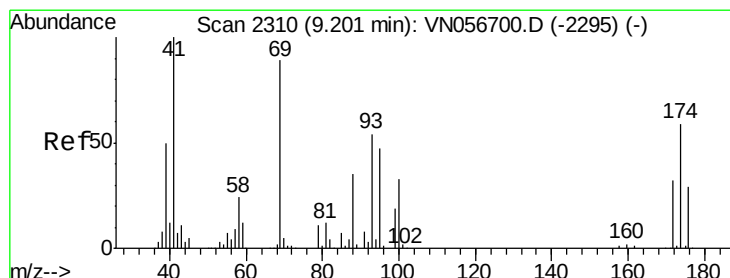
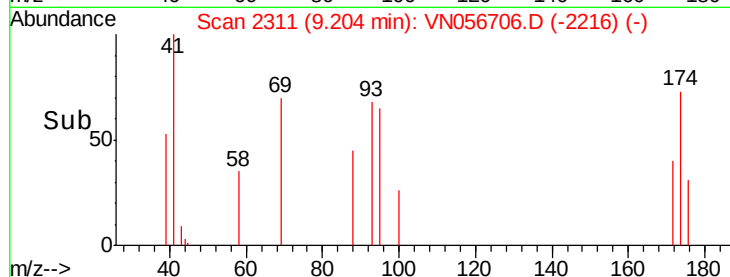
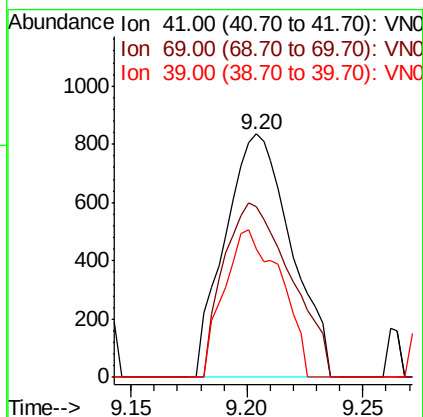
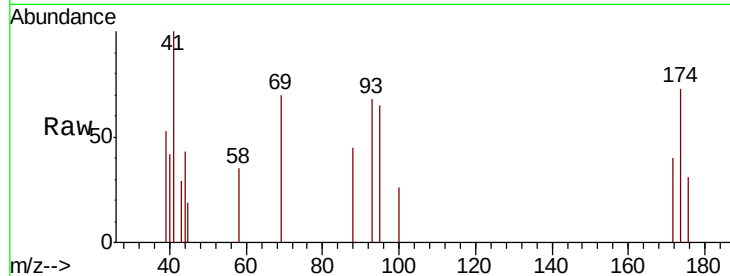




#48
Methyl methacrylate
Concen: 0.469 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.01 min
Lab File: VN056706.D
Acq: 15 Jul 2019 12:56

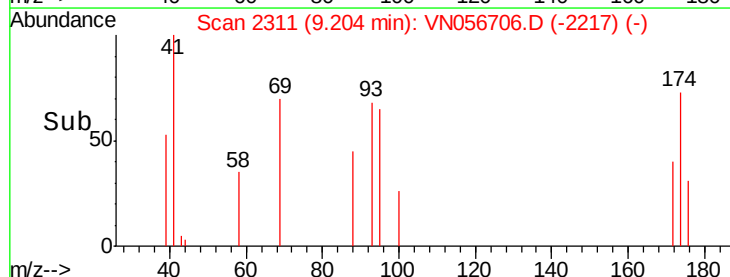
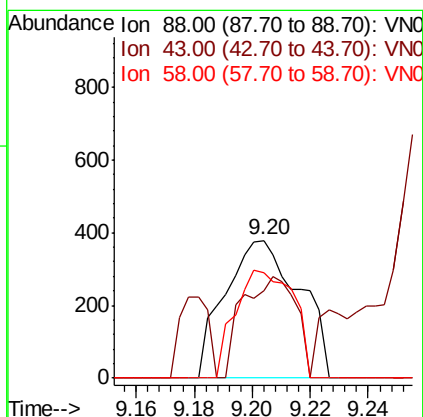
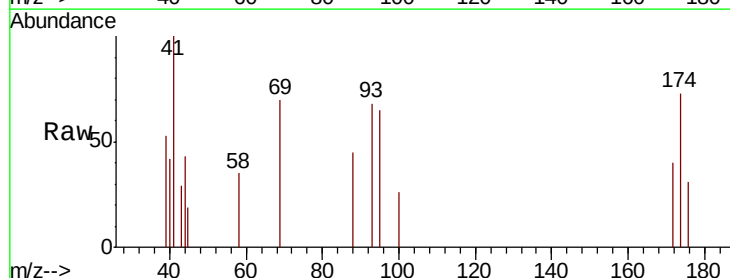
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

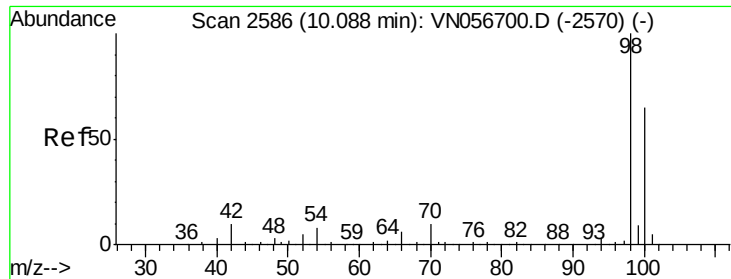
Tot Ion: 41 Resp: 1654
Ion Ratio Lower Upper
41 100
69 73.0 71.4 107.0
39 51.9 41.2 61.8



#49
1,4-Dioxane
Concen: 9.365 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056706.D
Acq: 15 Jul 2019 12:56

Tgt Ion: 88 Resp: 677
Ion Ratio Lower Upper
88 100
43 52.6 23.7 35.5#
58 60.4 55.6 83.4

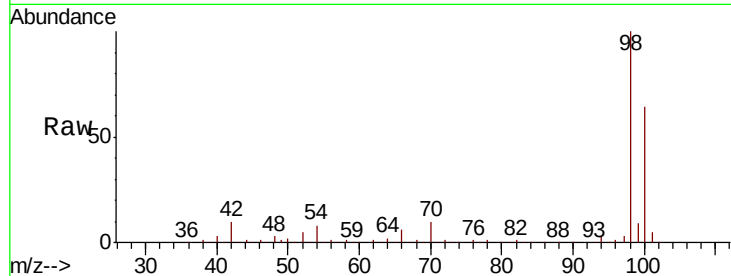




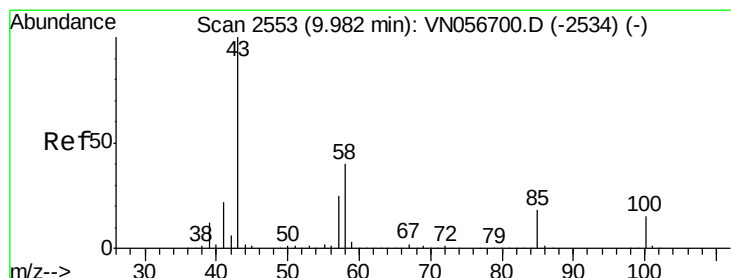
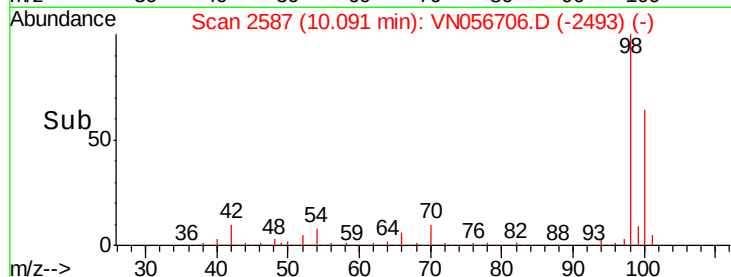
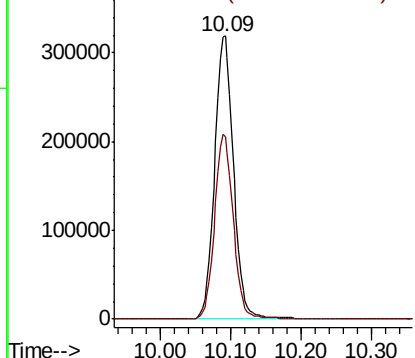
#50
Toluene-d8
Concen: 48.477 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056706.D
Acq: 15 Jul 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 98 Resp: 592003
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0

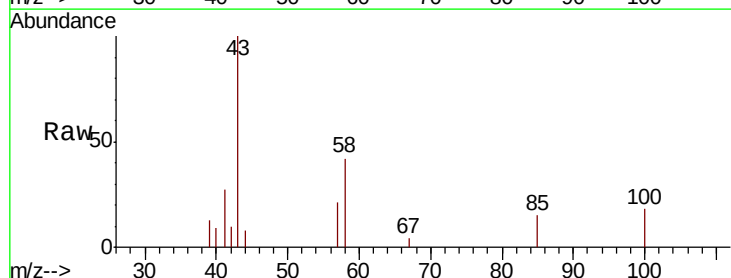


Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN

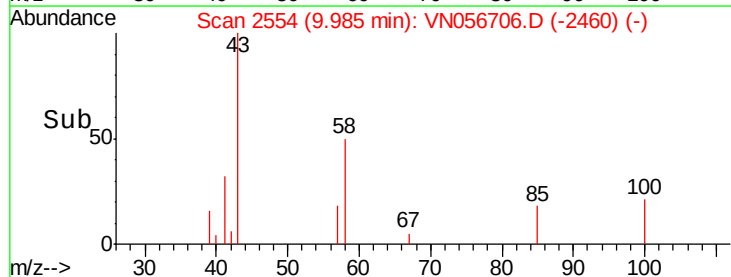
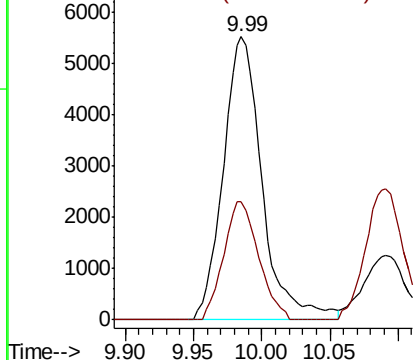


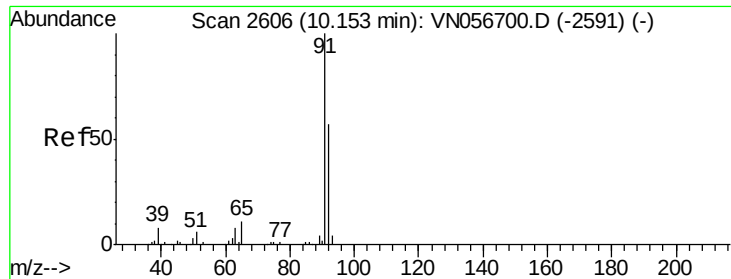
#51
4-Methyl-2-Pentanone
Concen: 2.310 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056706.D
Acq: 15 Jul 2019 12:56

Tgt Ion: 43 Resp: 10899
Ion Ratio Lower Upper
43 100
58 37.6 32.0 48.0



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





#52

Toluene

Concen: 0.507 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

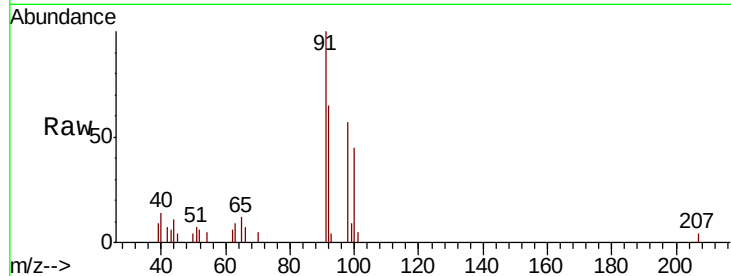
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 92 Resp: 4341

Ion Ratio Lower Upper

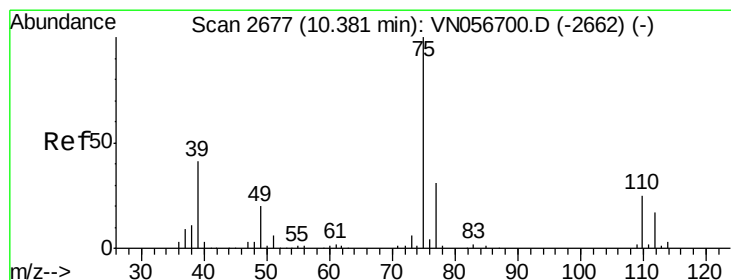
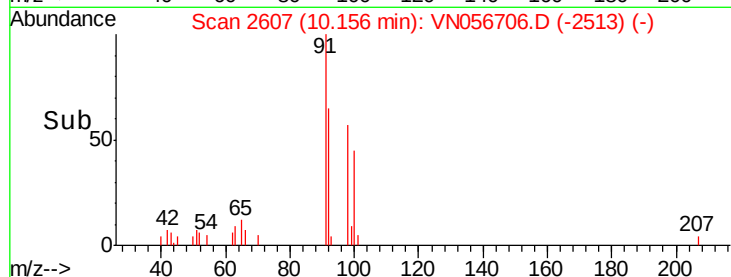
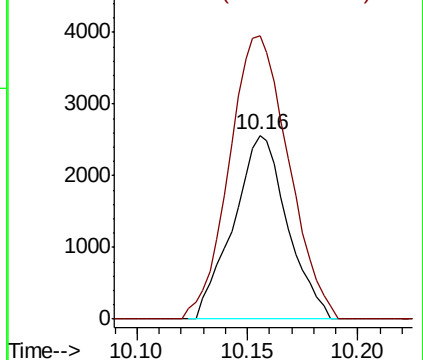
92 100

91 170.0 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 0.351 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056706.D

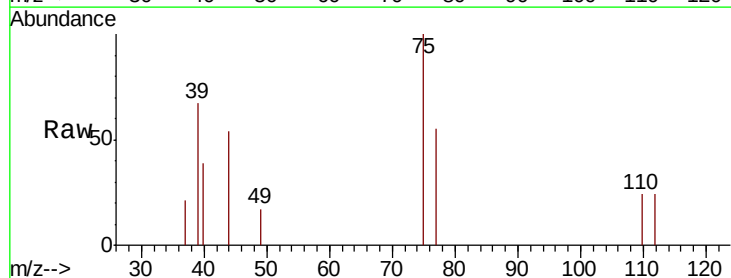
Acq: 15 Jul 2019 12:56

Tgt Ion: 75 Resp: 1650

Ion Ratio Lower Upper

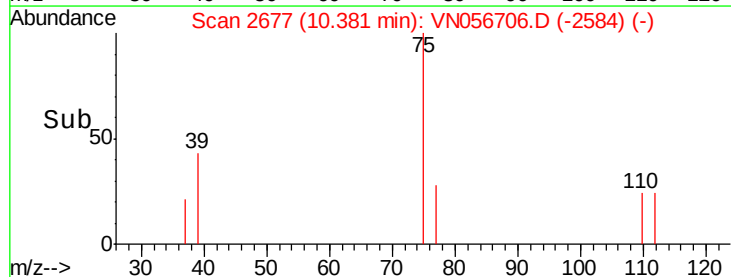
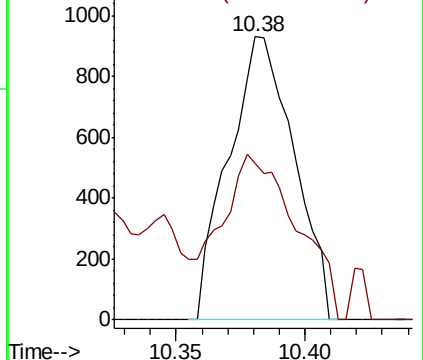
75 100

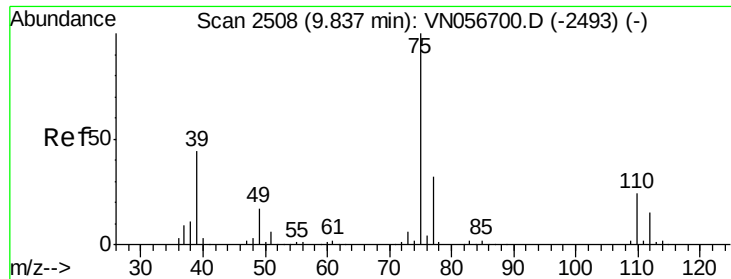
77 55.3 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



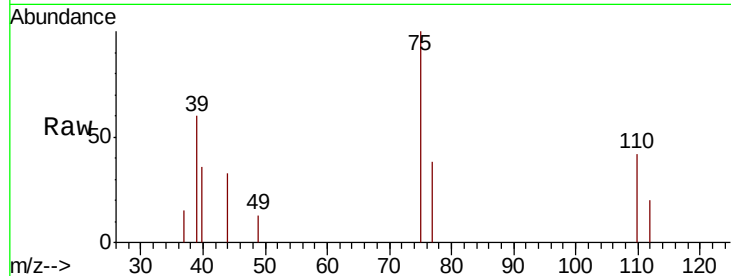


#54

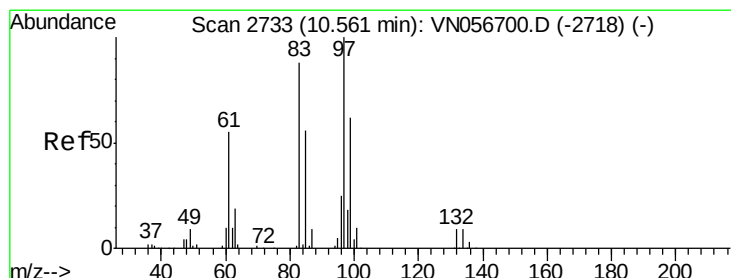
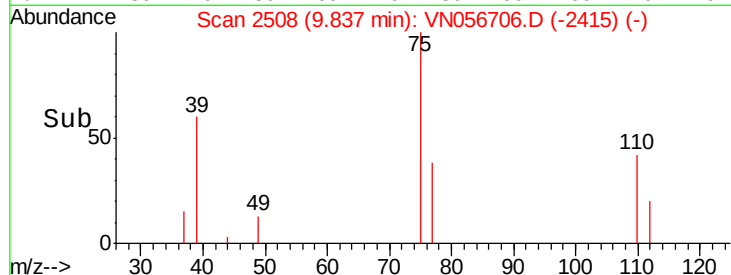
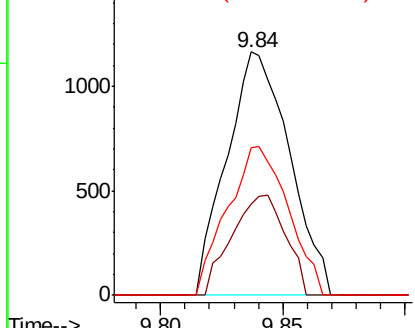
cis-1,3-Dichloropropene
Concen: 0.381 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN056706.D
Acq: 15 Jul 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 75 Resp: 2081
Ion Ratio Lower Upper
75 100
77 37.7 26.0 39.0
39 60.4 35.1 52.7#



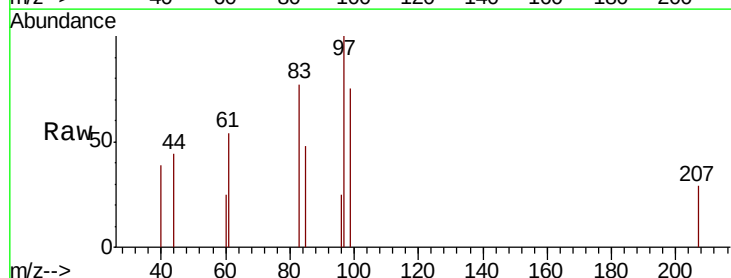
Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO



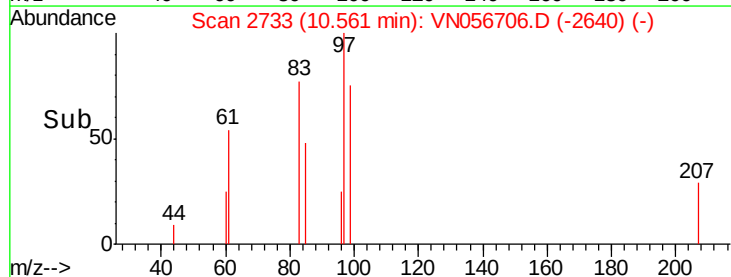
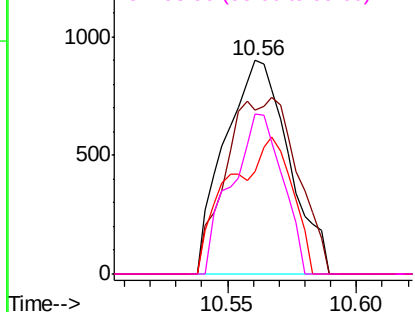
#55

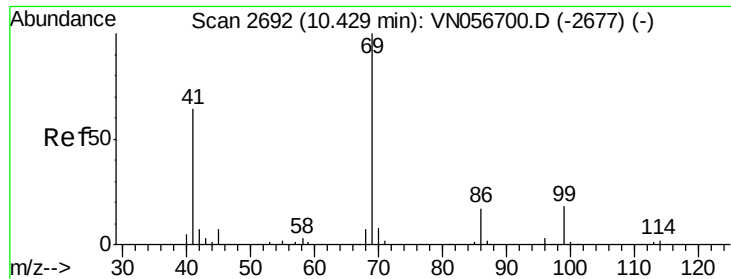
1,1,2-Trichloroethane
Concen: 0.433 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN056706.D
Acq: 15 Jul 2019 12:56

Tgt Ion: 97 Resp: 1554
Ion Ratio Lower Upper
97 100
83 76.8 70.3 105.5
85 48.0 44.8 67.2
99 75.0 49.6 74.4#



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





#56

Ethyl methacrylate

Concen: 0.409 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

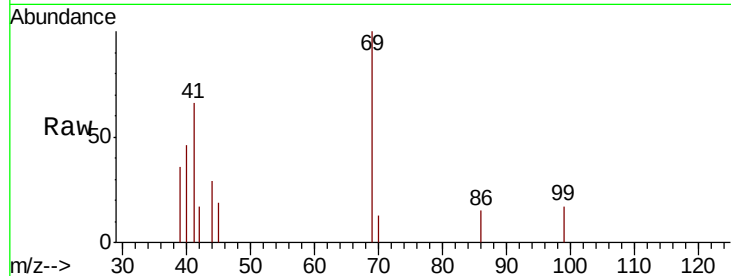
Tot Ion: 69 Resp: 2114

Ion Ratio Lower Upper

69 100

41 60.6 51.0 76.4

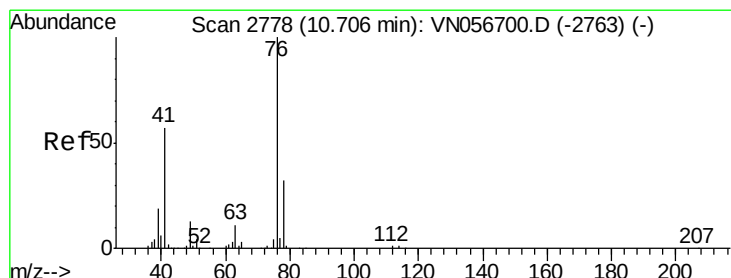
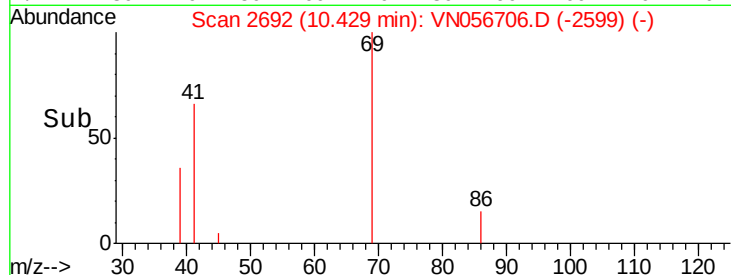
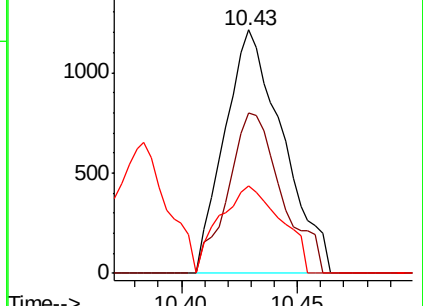
39 37.9 24.6 36.8#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.477 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN056706.D

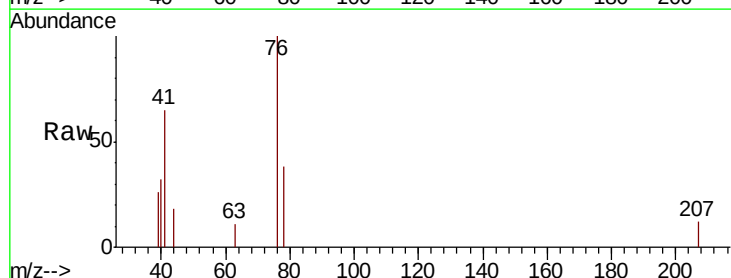
Acq: 15 Jul 2019 12:56

Tgt Ion: 76 Resp: 2793

Ion Ratio Lower Upper

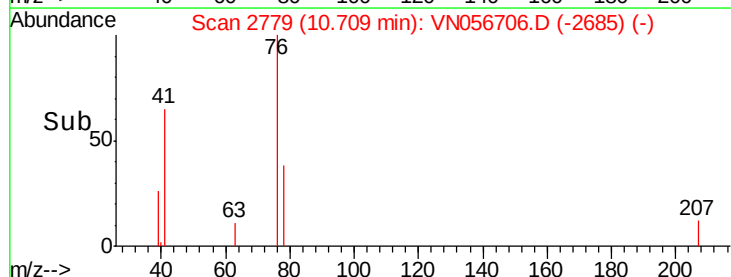
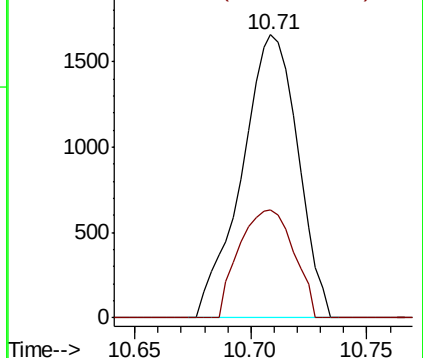
76 100

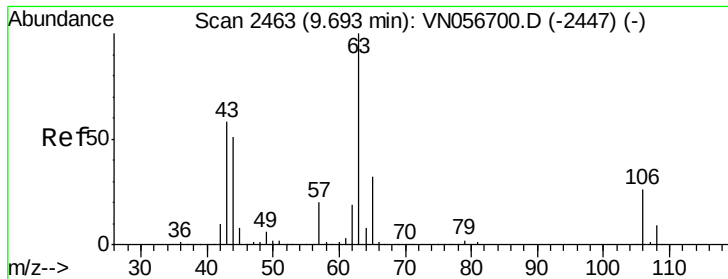
78 37.1 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#58

2-Chloroethyl Vinyl ether

Concen: 2.041 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

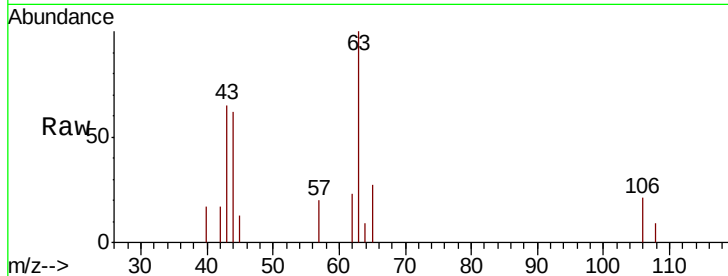
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 63 Resp: 5068

Ion Ratio Lower Upper

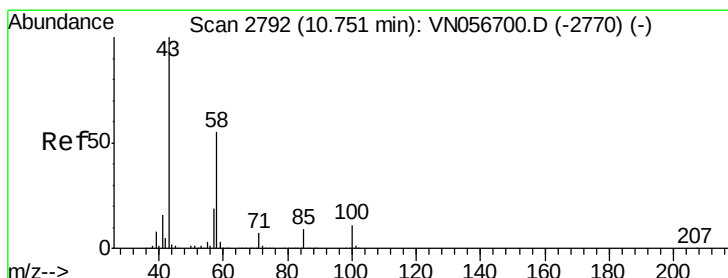
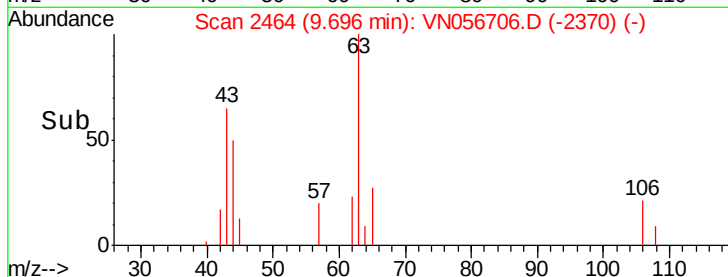
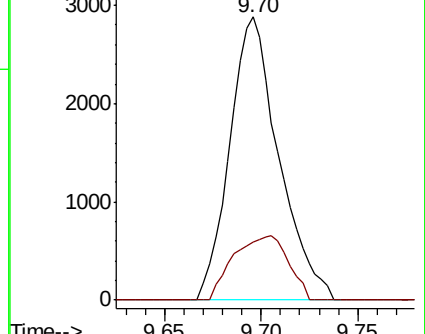
63 100

106 25.5 21.2 31.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): VN0



#59

2-Hexanone

Concen: 2.338 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.01 min

Lab File: VN056706.D

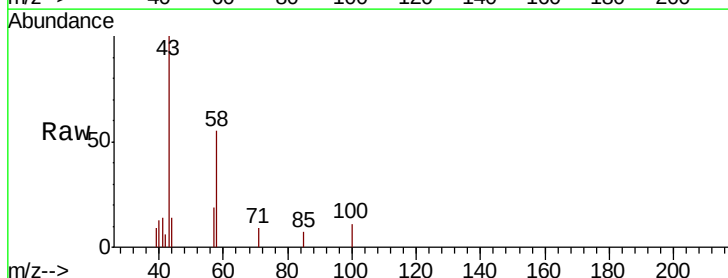
Acq: 15 Jul 2019 12:56

Tgt Ion: 43 Resp: 7917

Ion Ratio Lower Upper

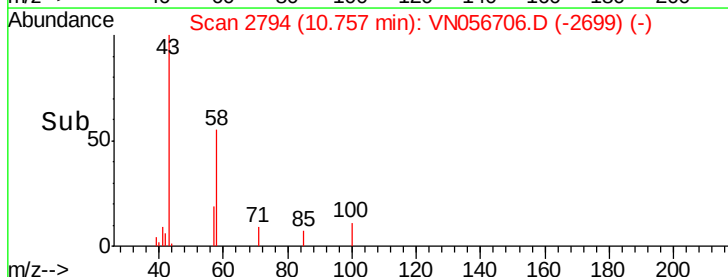
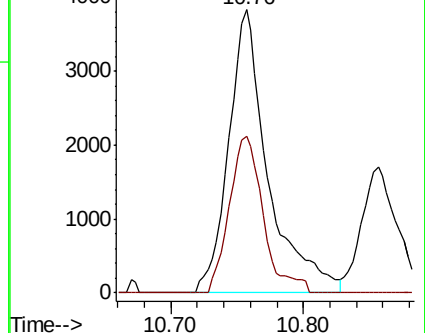
43 100

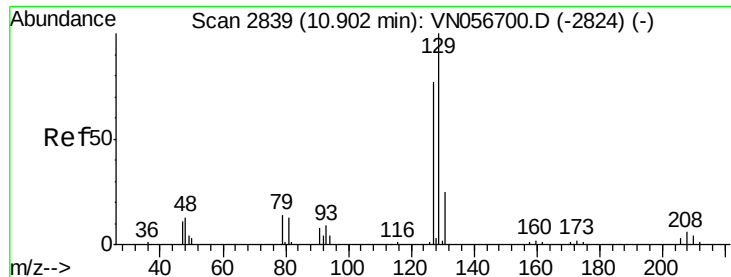
58 47.7 27.9 83.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#60

Dibromochloromethane

Concen: 0.361 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

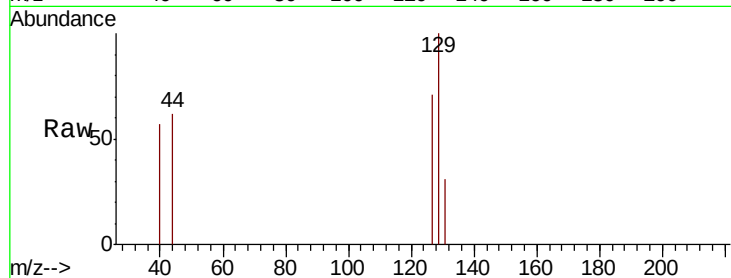
LOD-MDL-WATER-01-QT3-2019

Tot Ion:129 Resp: 1273

Ion Ratio Lower Upper

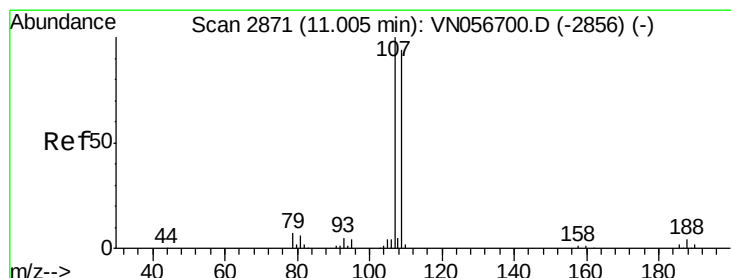
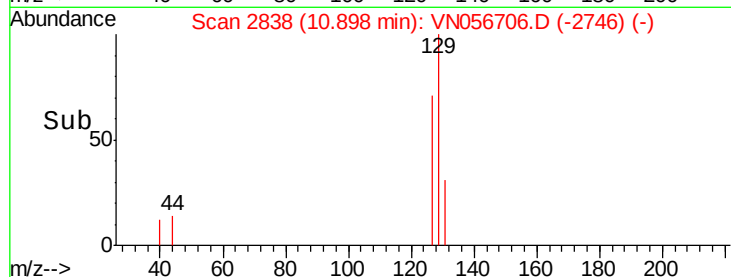
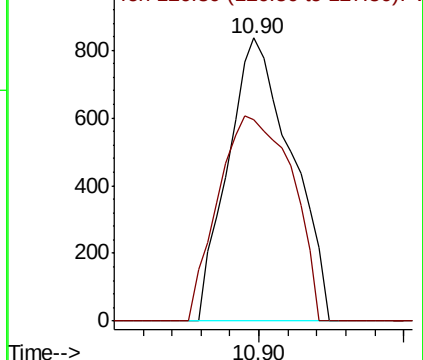
129 100

127 84.4 38.2 114.6



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.449 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056706.D

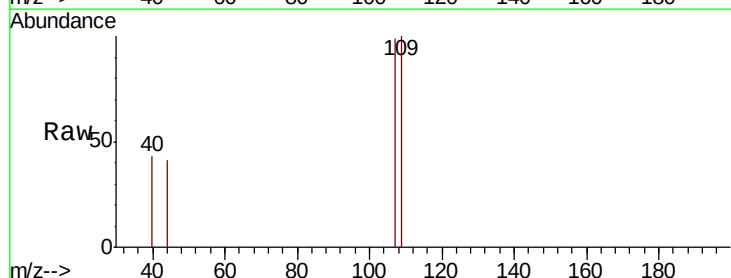
Acq: 15 Jul 2019 12:56

Tgt Ion:107 Resp: 1603

Ion Ratio Lower Upper

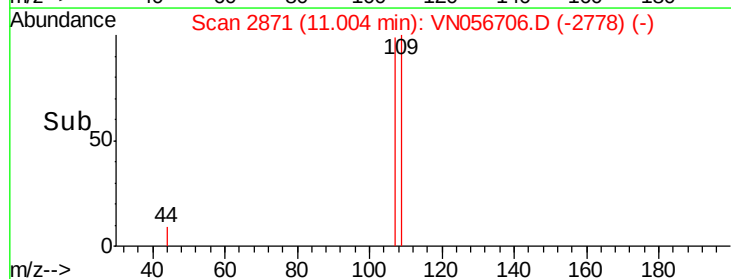
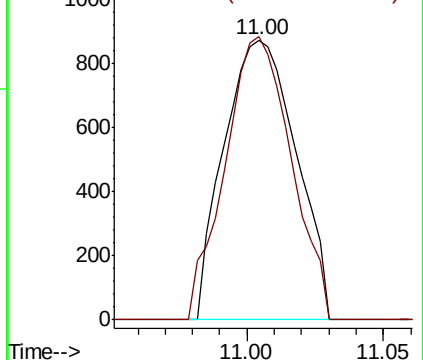
107 100

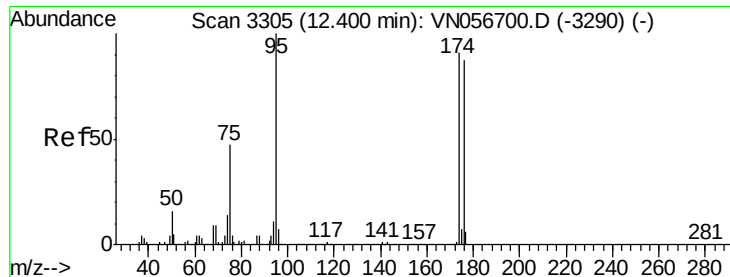
109 92.8 76.2 114.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 41.294 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

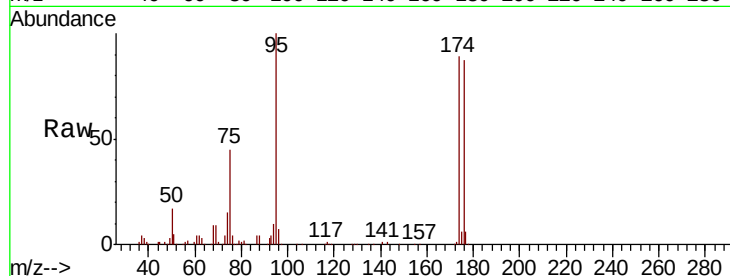
Tot Ion: 95 Resp: 170062

Ion Ratio Lower Upper

95 100

174 88.2 0.0 180.0

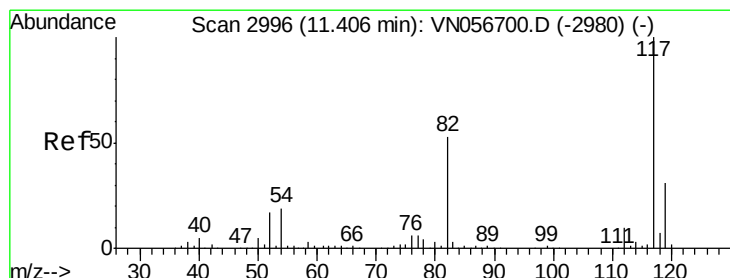
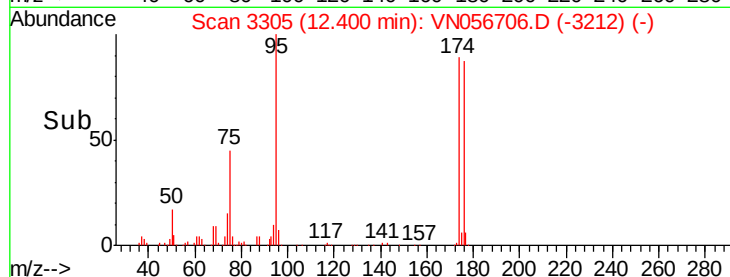
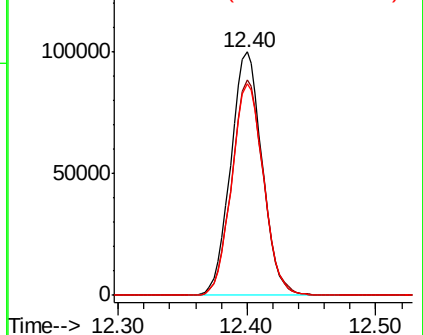
176 87.3 0.0 173.2



Abundance Ion 94.90 (94.60 to 95.60): VN056706.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN056706.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN056706.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

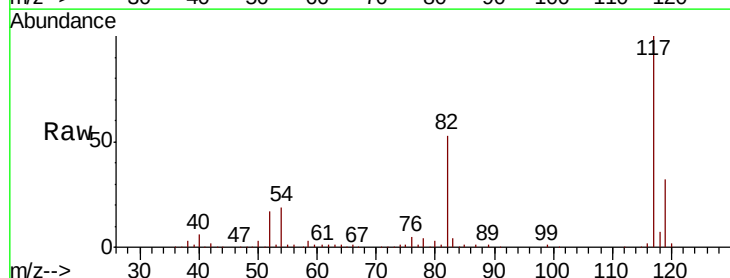
Tgt Ion: 117 Resp: 425274

Ion Ratio Lower Upper

117 100

82 52.5 42.2 63.2

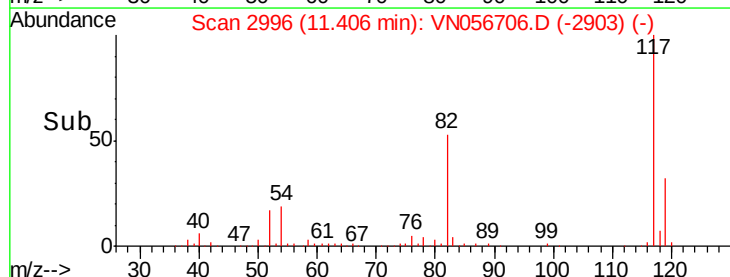
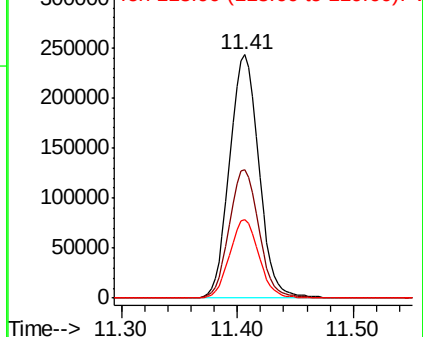
119 32.4 25.2 37.8

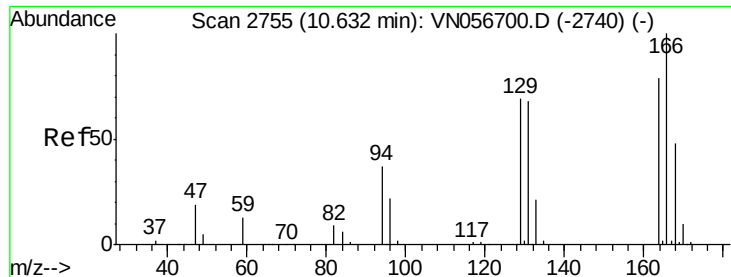


Abundance Ion 116.90 (116.60 to 117.60): VN056706.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN056706.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN056706.D (-2980) (-)

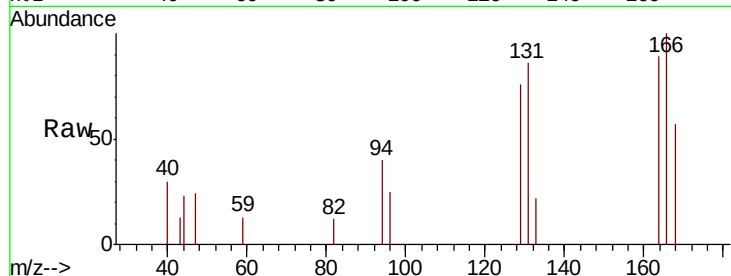




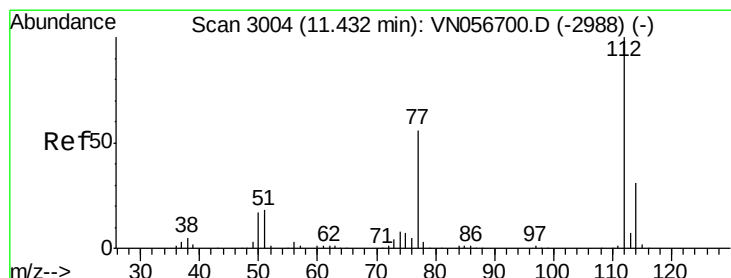
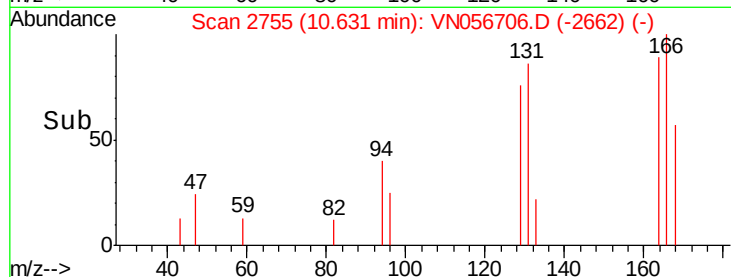
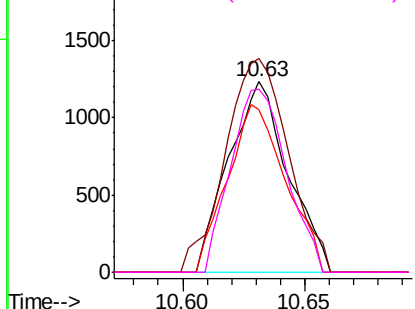
#64
Tetrachloroethene
Concen: 0.567 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056706.D
Acq: 15 Jul 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion:164 Resp: 2080
Ion Ratio Lower Upper
164 100
166 112.3 101.4 152.2
129 85.4 69.6 104.4
131 96.2 69.0 103.4

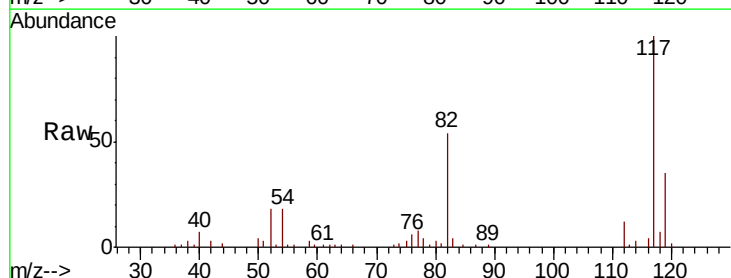


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

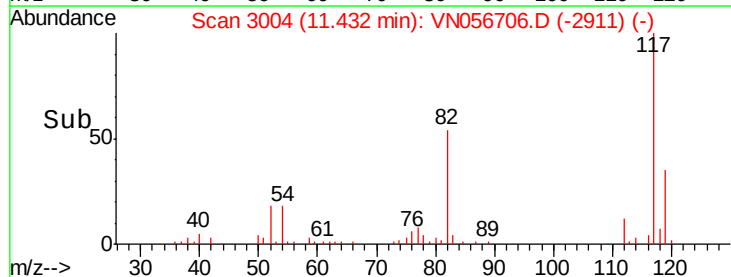
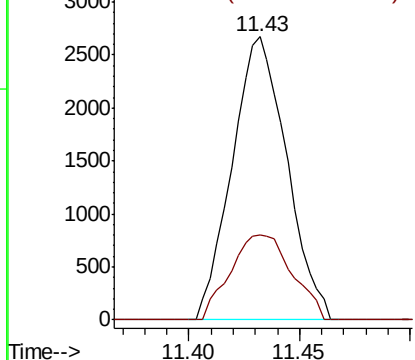


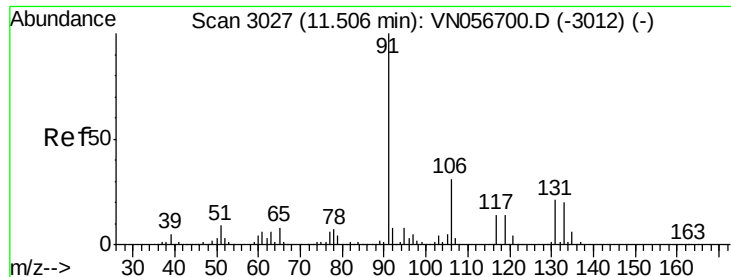
#65
Chlorobenzene
Concen: 0.528 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056706.D
Acq: 15 Jul 2019 12:56

Tgt Ion:112 Resp: 4595
Ion Ratio Lower Upper
112 100
114 29.8 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 0.427 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

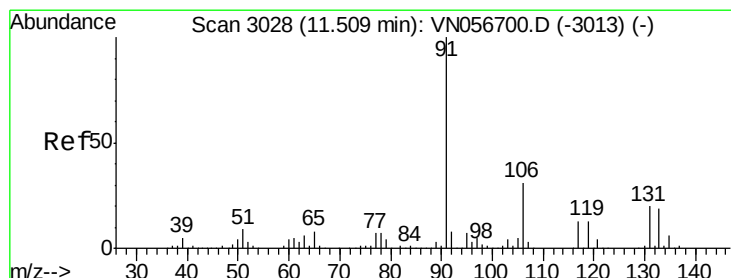
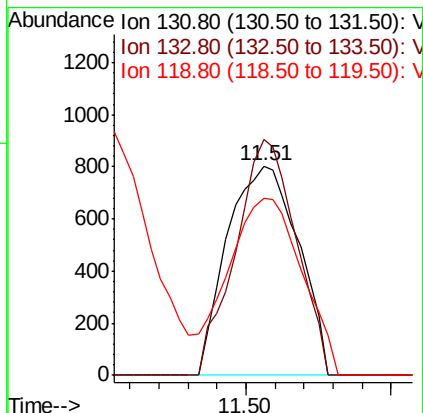
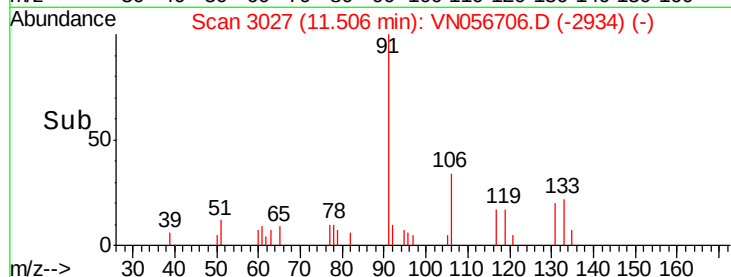
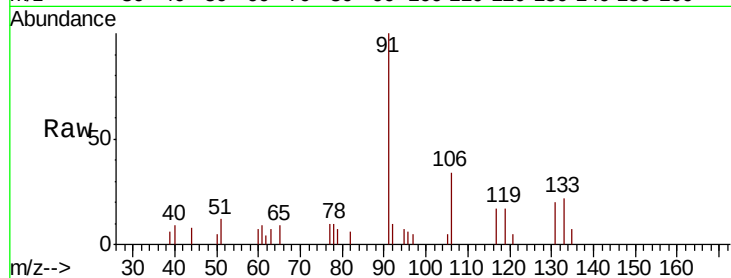
Tot Ion:131 Resp: 1366

Ion Ratio Lower Upper

131 100

133 96.0 46.9 140.7

119 0.0 32.8 98.3#



#67

Ethyl Benzene

Concen: 0.455 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN056706.D

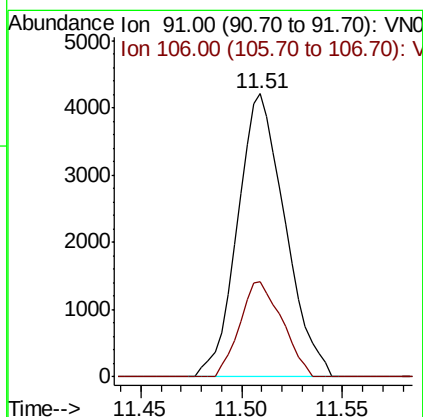
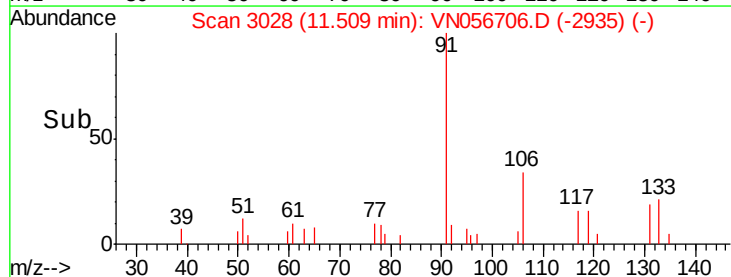
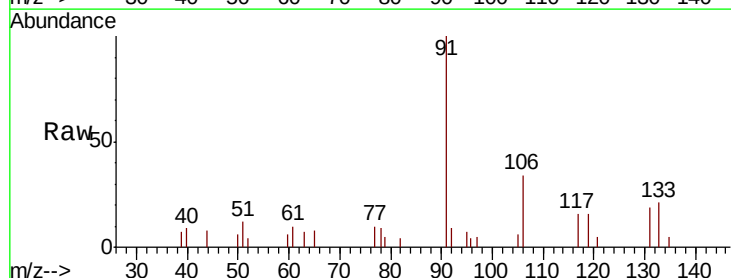
Acq: 15 Jul 2019 12:56

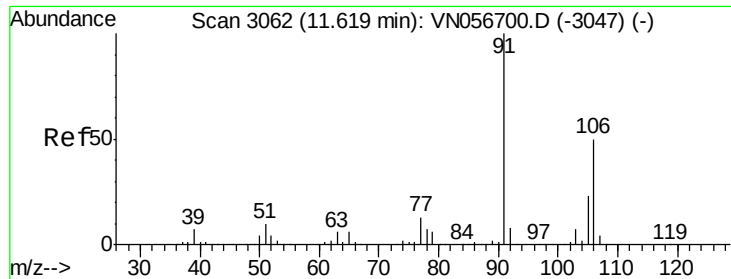
Tgt Ion: 91 Resp: 6958

Ion Ratio Lower Upper

91 100

106 33.6 24.8 37.2

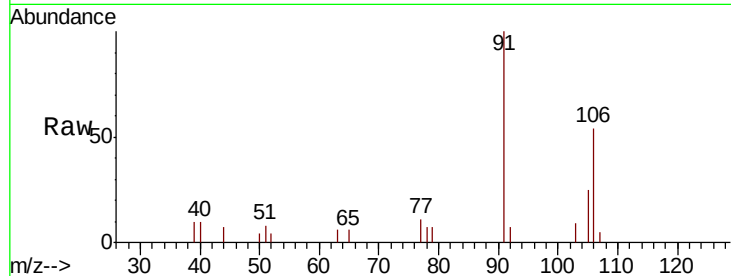




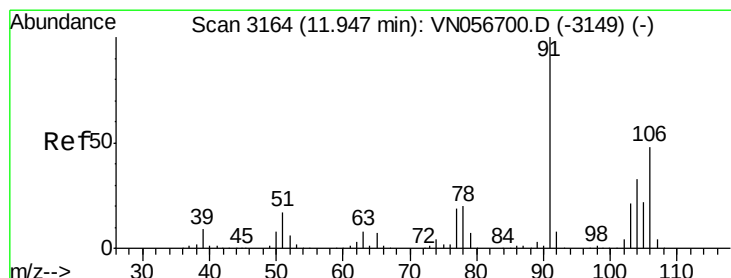
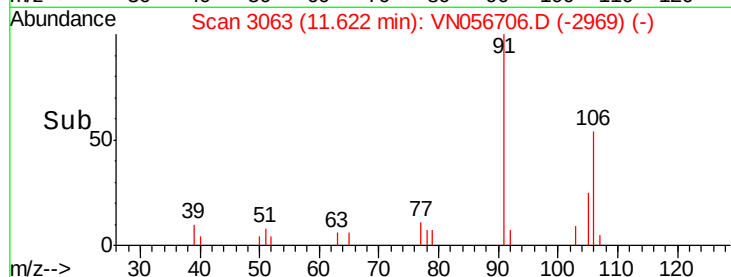
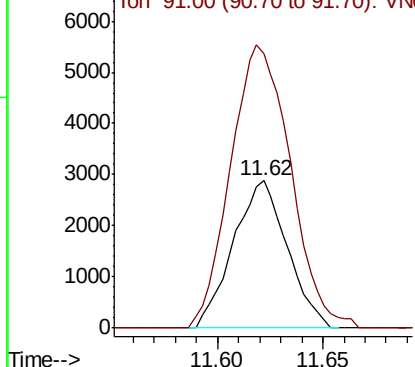
#68
m/p-Xylenes
Concen: 0.897 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN056706.D
Acq: 15 Jul 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion:106 Resp: 5124
Ion Ratio Lower Upper
106 100
91 213.5 160.5 240.7

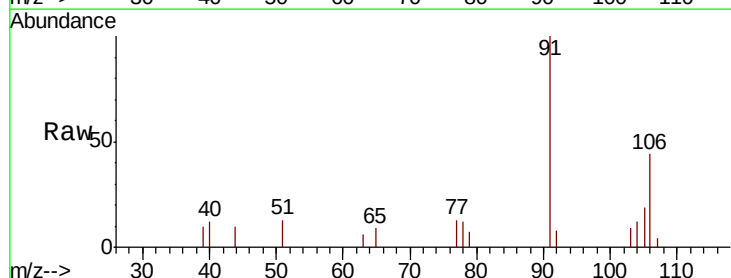


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

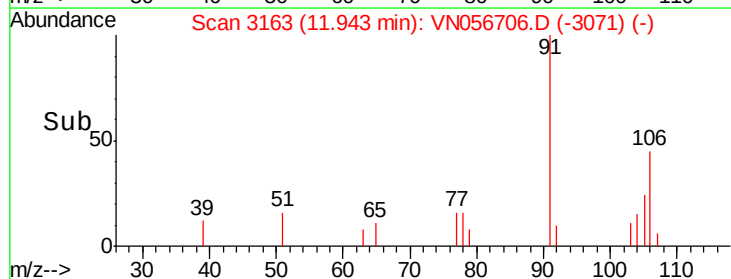
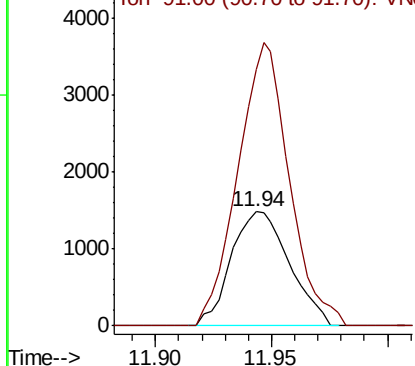


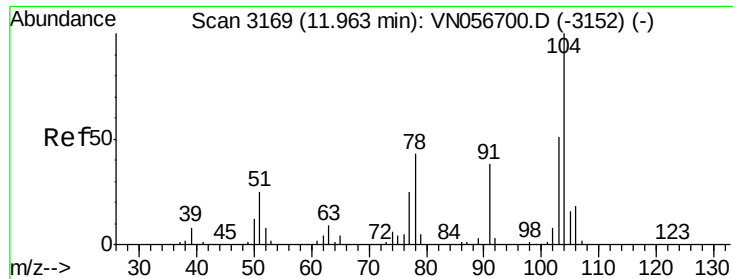
#69
o-Xylene
Concen: 0.461 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN056706.D
Acq: 15 Jul 2019 12:56

Tgt Ion:106 Resp: 2589
Ion Ratio Lower Upper
106 100
91 219.0 105.6 316.8



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

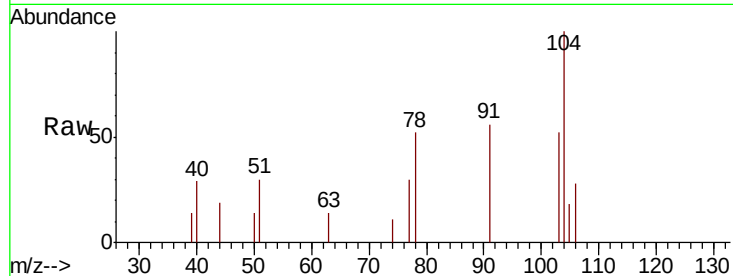




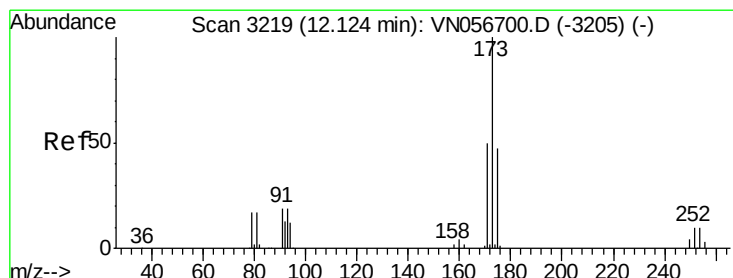
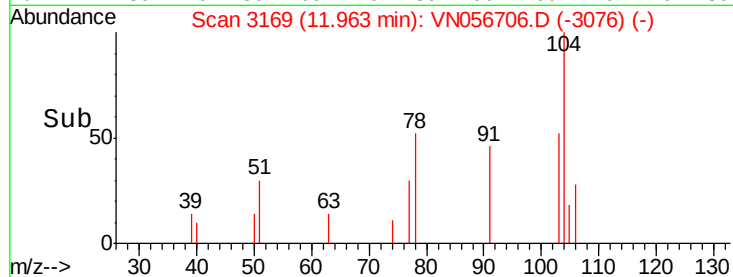
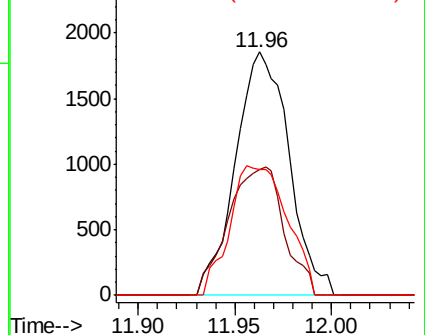
#70
Stvrene
Concen: 0.392 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056706.D
Acq: 15 Jul 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion:104 Resp: 3560
Ion Ratio Lower Upper
104 100
78 55.0 38.6 57.8
103 57.0 44.2 66.4

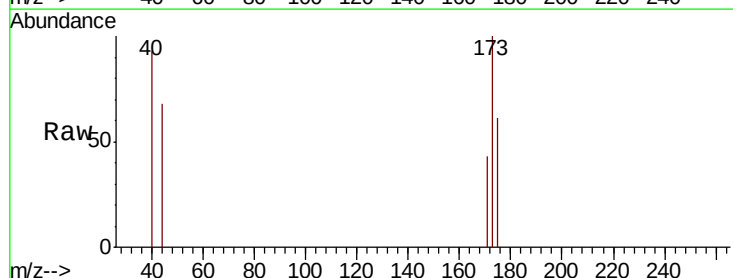


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

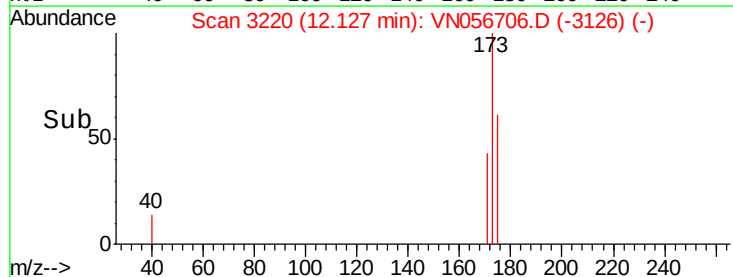
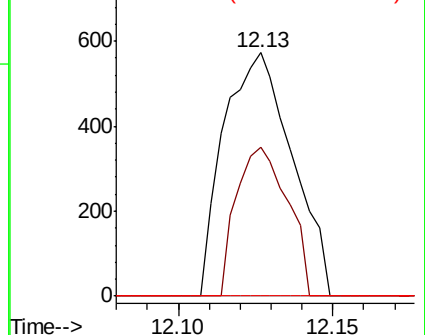


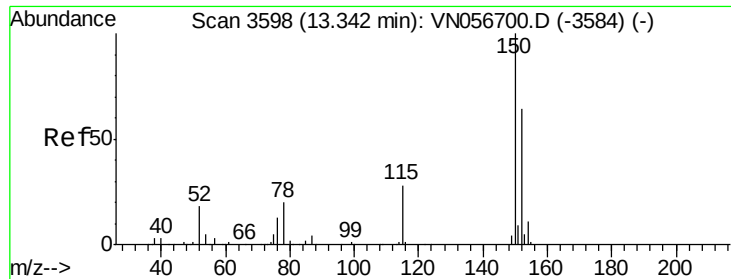
#71
Bromoform
Concen: 0.362 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056706.D
Acq: 15 Jul 2019 12:56

Tgt Ion:173 Resp: 882
Ion Ratio Lower Upper
173 100
175 45.6 23.8 71.4
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



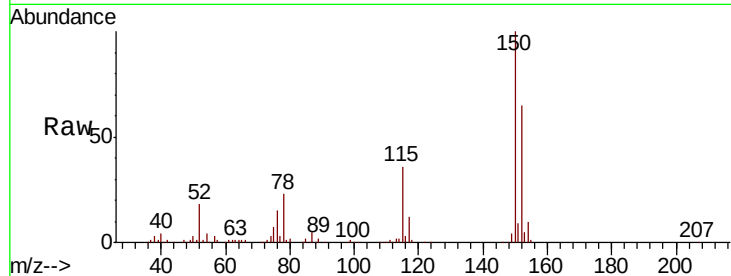


#72

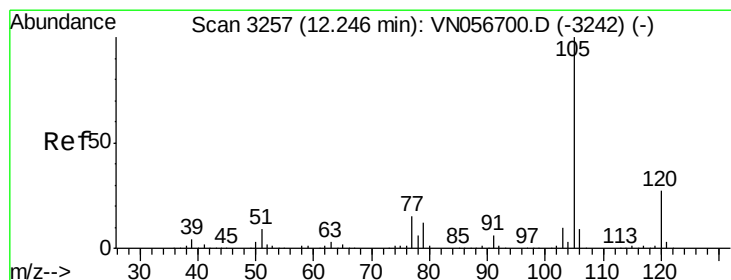
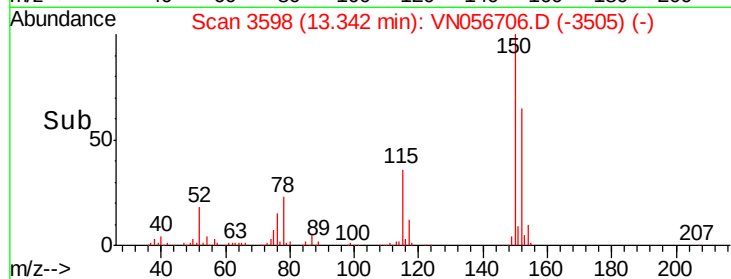
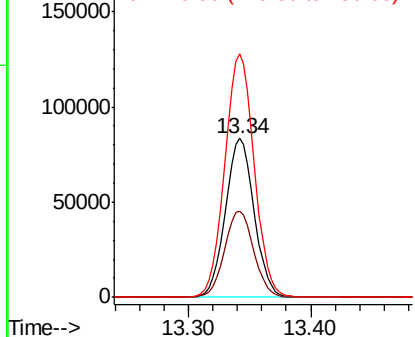
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056706.D
Acq: 15 Jul 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion:152 Resp: 137956
Ion Ratio Lower Upper
152 100
115 55.2 28.2 84.7
150 156.5 0.0 345.8



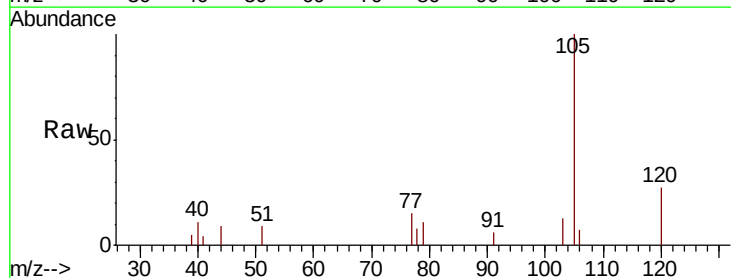
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



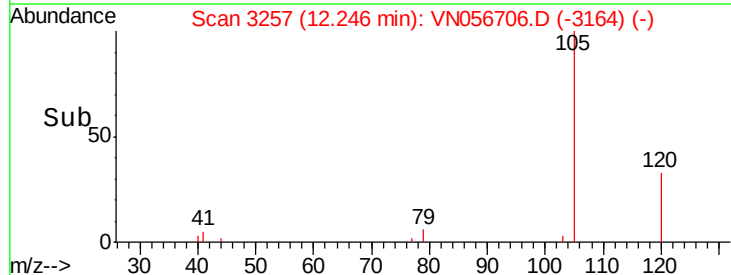
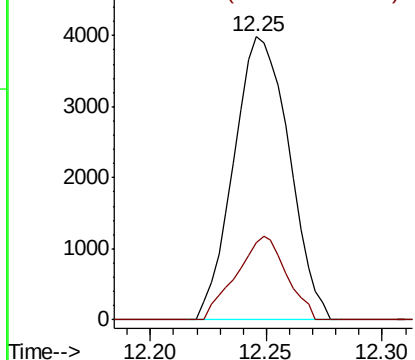
#73

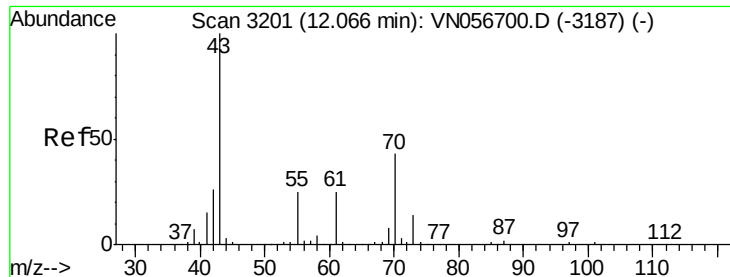
Isopropylbenzene
Concen: 0.594 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056706.D
Acq: 15 Jul 2019 12:56

Tgt Ion:105 Resp: 6609
Ion Ratio Lower Upper
105 100
120 26.7 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.464 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 43 Resp: 1924

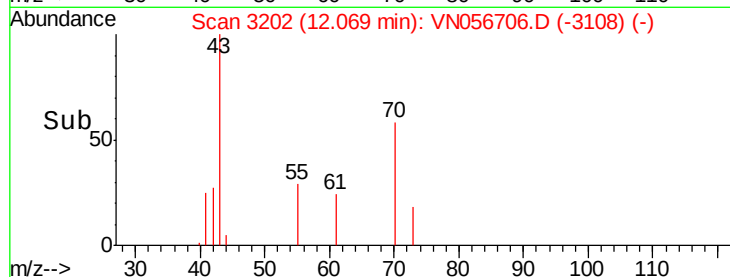
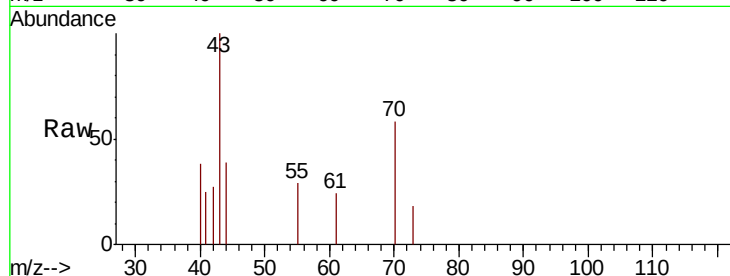
Ion Ratio Lower Upper

43 100

70 39.3 34.5 51.7

55 19.7 20.2 30.2#

61 12.4 19.9 29.9#

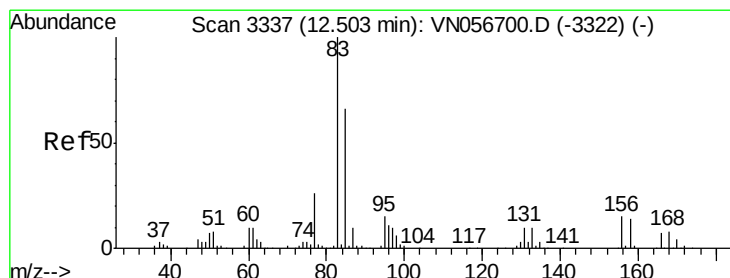
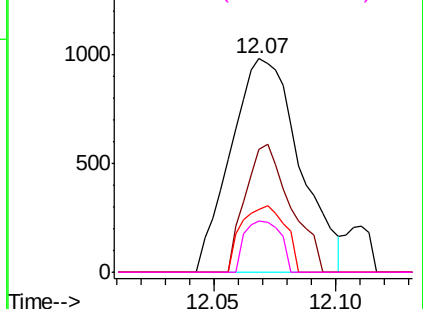


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

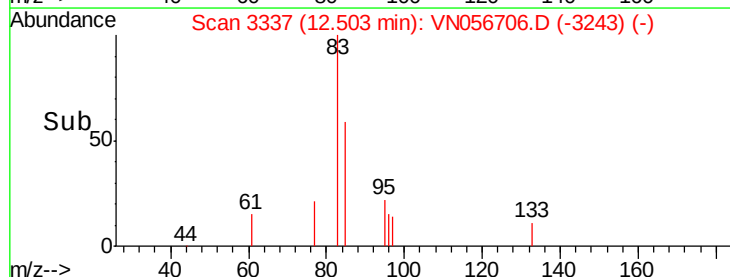
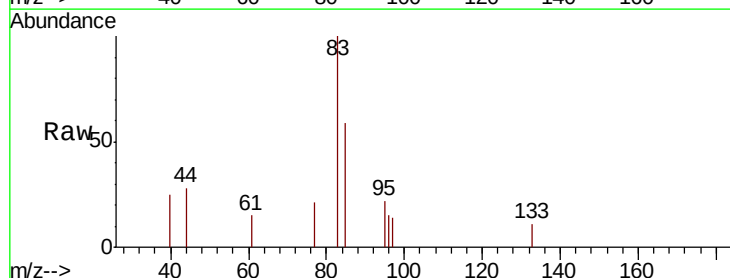
Tgt Ion: 83 Resp: 2311

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.8#

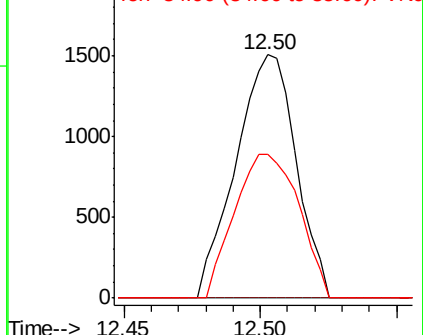
85 63.3 32.6 97.8

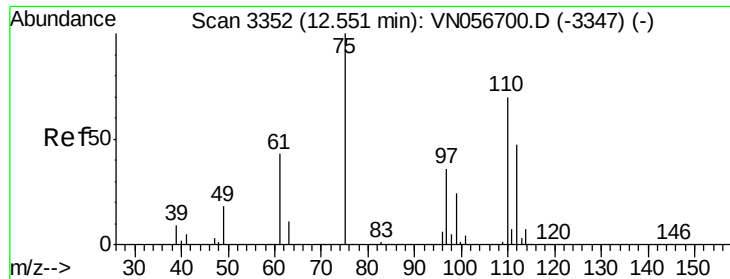


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0

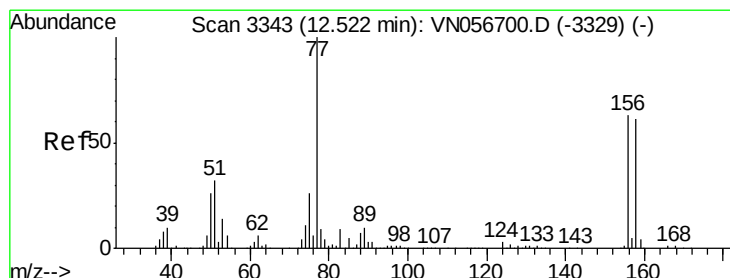
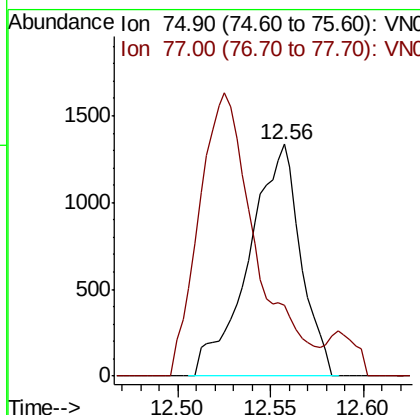
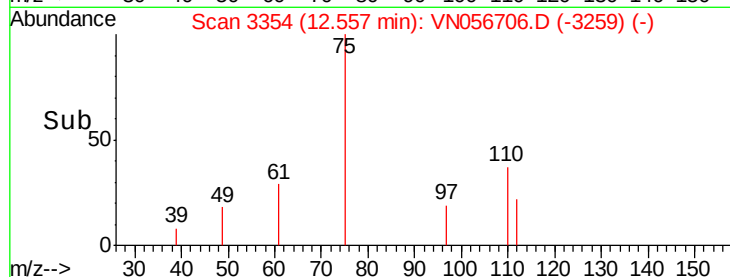
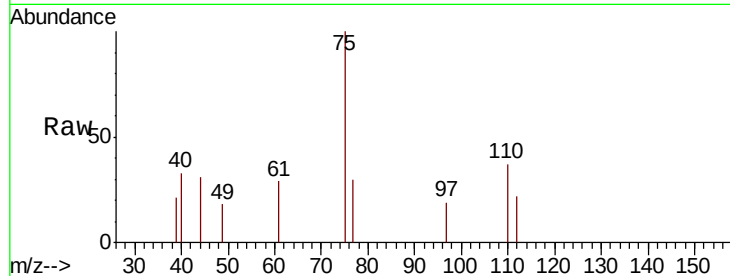




#76
 1,2,3-Trichloropropane
 Concen: 0.866 ug/l
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.01 min
 Lab File: VN056706.D
 Acq: 15 Jul 2019 12:56

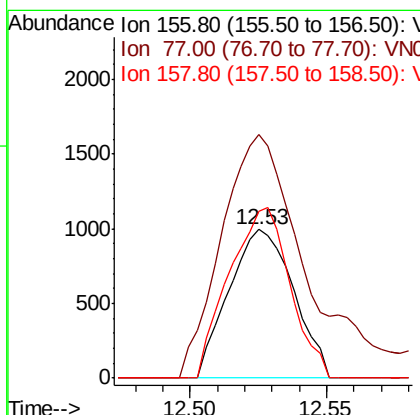
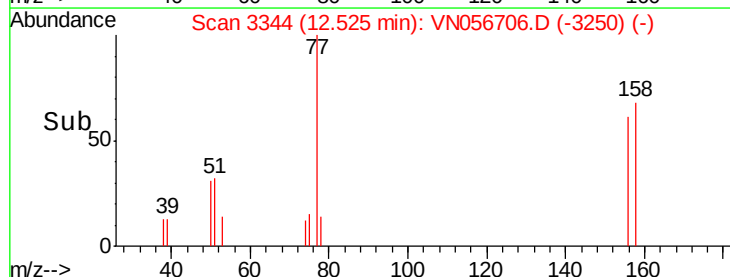
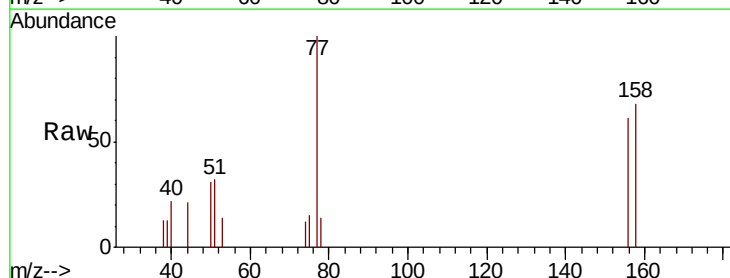
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

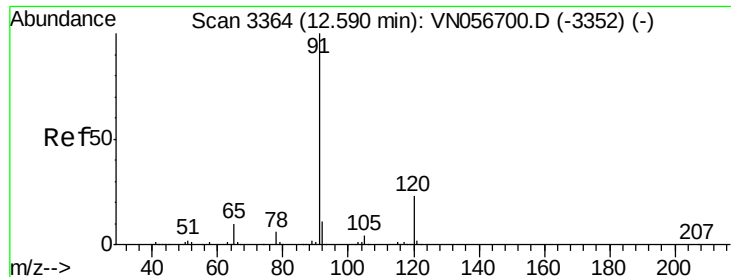
Tot Ion: 75 Resp: 2614
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 0.562 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. 0.00 min
 Lab File: VN056706.D
 Acq: 15 Jul 2019 12:56

Tgt Ion: 156 Resp: 1635
 Ion Ratio Lower Upper
 156 100
 77 214.2 97.2 291.6
 158 108.3 48.9 146.8





#78

n-propylbenzene

Concen: 0.566 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

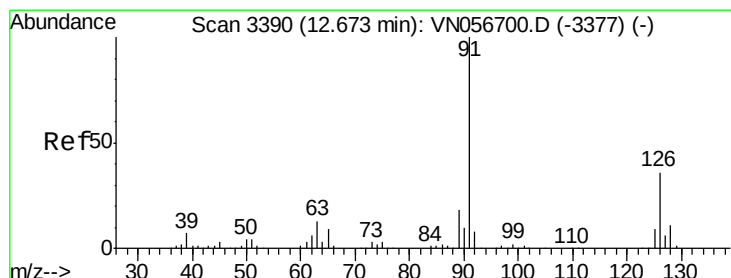
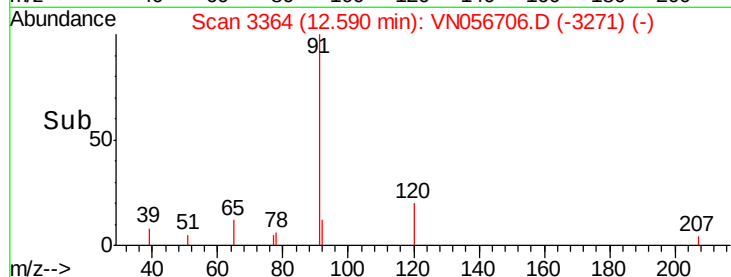
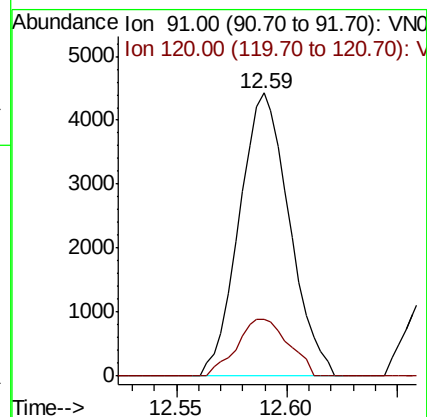
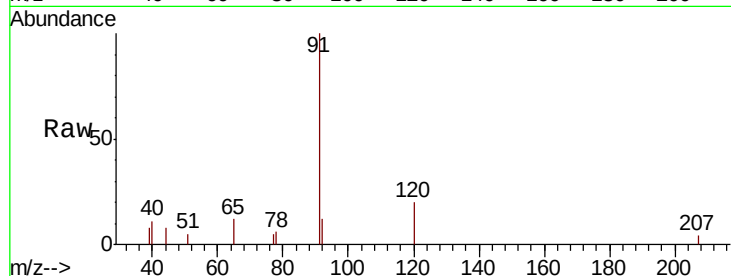
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 91 Resp: 6990

Ion Ratio Lower Upper

91 100

120 20.6 11.8 35.3



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN056706.D

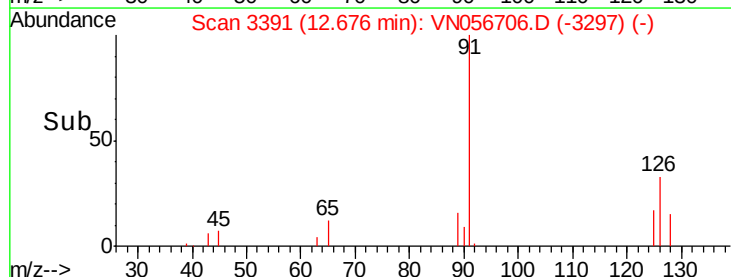
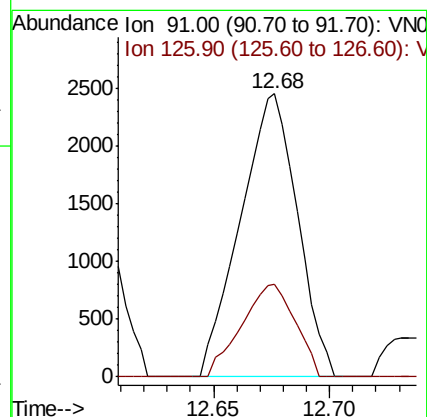
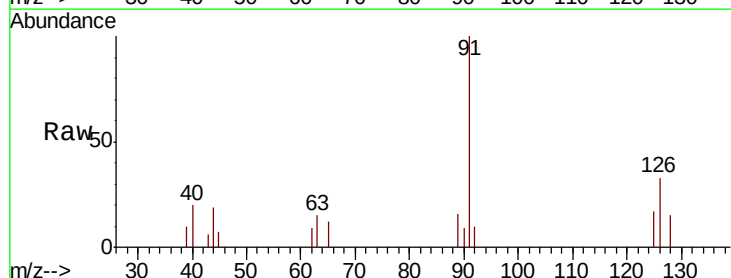
Acq: 15 Jul 2019 12:56

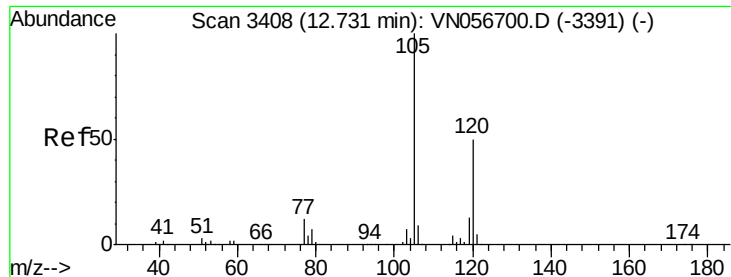
Tgt Ion: 91 Resp: 4195

Ion Ratio Lower Upper

91 100

126 30.8 17.9 53.7





#80

1,3,5-Trimethylbenzene

Concen: 0.569 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

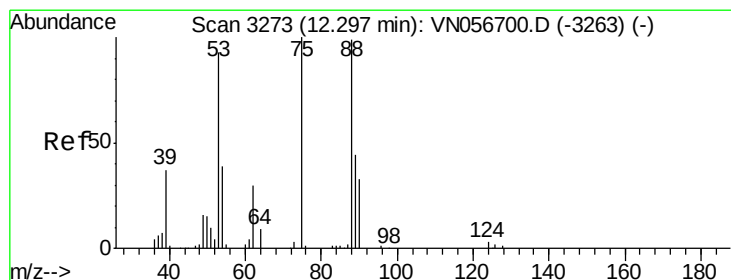
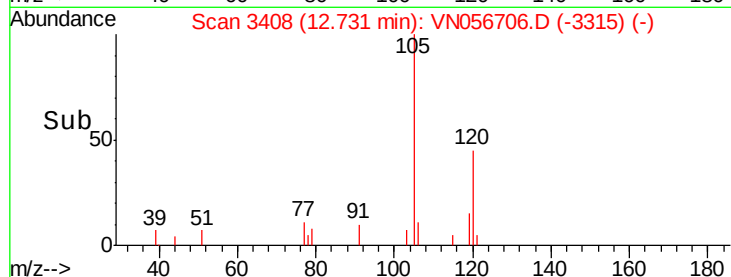
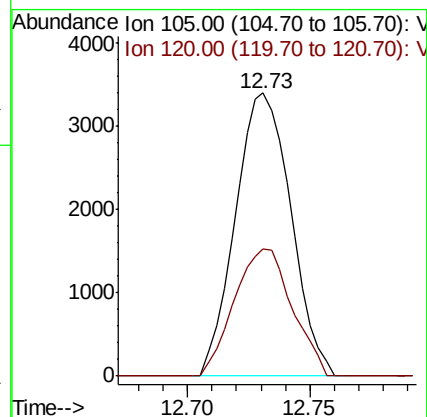
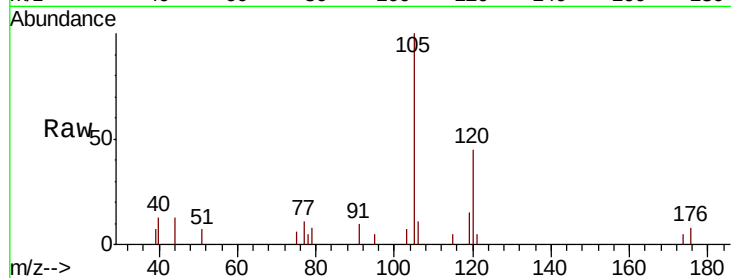
LOD-MDL-WATER-01-QT3-2019

Tot Ion:105 Resp: 5363

Ion Ratio Lower Upper

105 100

120 46.8 24.8 74.3



#81

trans-1,4-Dichloro-2-butene

Concen: 79.327 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

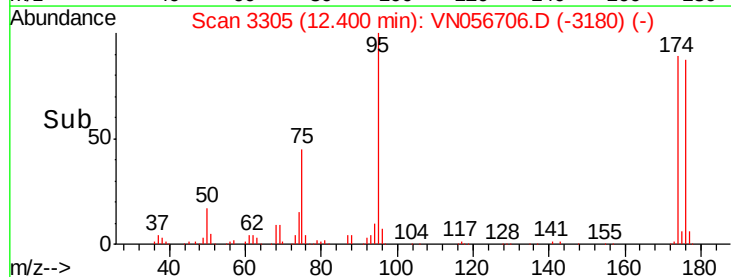
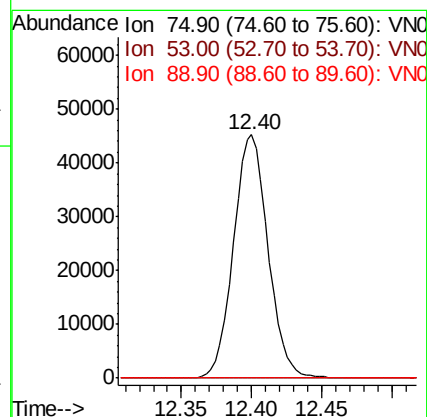
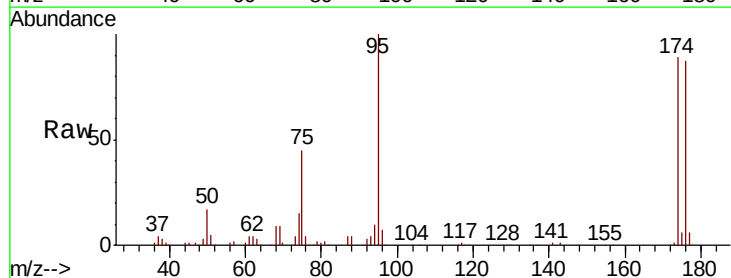
Tgt Ion: 75 Resp: 77503

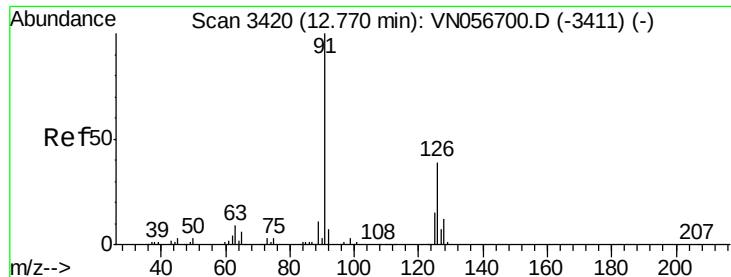
Ion Ratio Lower Upper

75 100

53 0.0 73.7 110.5#

89 0.0 36.2 54.2#





#82

4-Chlorotoluene

Concen: 0.569 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

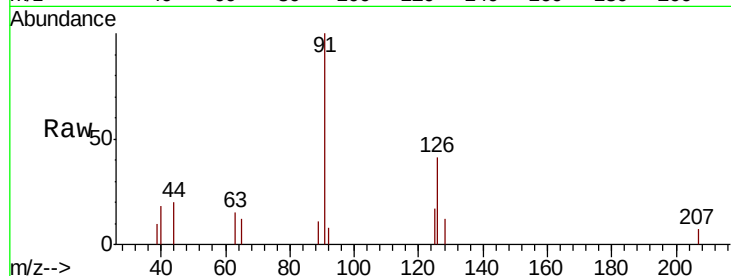
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 91 Resp: 4126

Ion Ratio Lower Upper

91 100

126 33.1 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN056706.D (-3420) (-)

Ion 125.90 (125.60 to 126.60): VN056706.D (-3420) (-)

12.77

2500

2000

1500

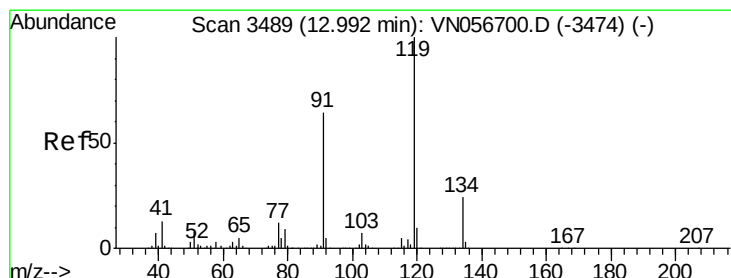
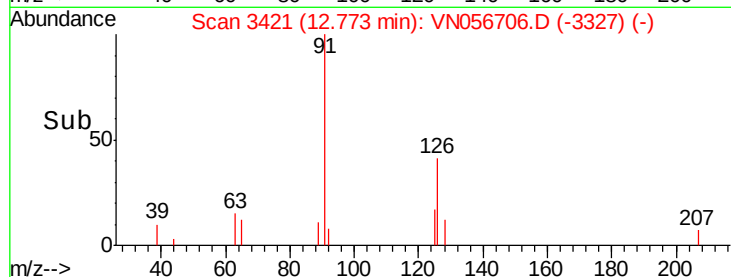
1000

500

0

12.75 12.80

Time-->



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

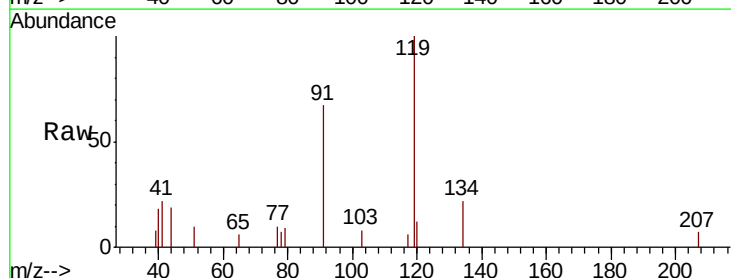
Tgt Ion: 119 Resp: 4560

Ion Ratio Lower Upper

119 100

91 66.9 31.8 95.4

134 23.0 13.0 38.9



Abundance Ion 119.00 (118.70 to 119.70): VN056706.D (-3489) (-)

Ion 91.00 (90.70 to 91.70): VN056706.D (-3489) (-)

Ion 134.00 (133.70 to 134.70): VN056706.D (-3489) (-)

12.99

3000

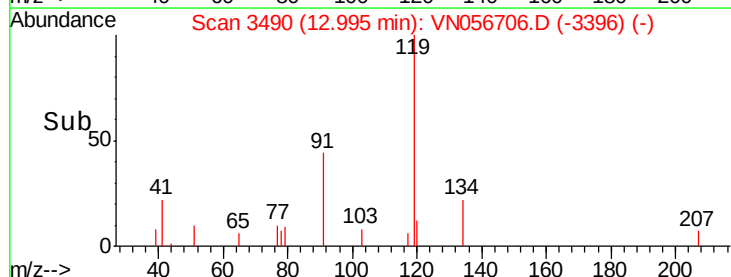
2000

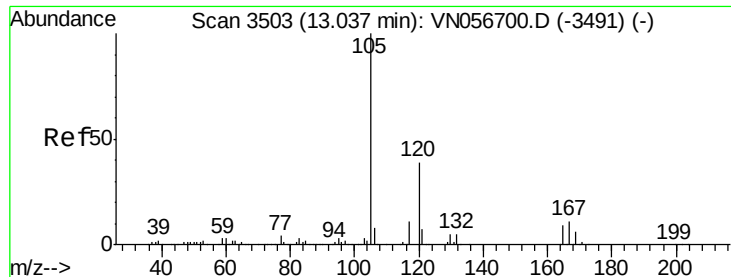
1000

0

12.95 13.00

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 0.540 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

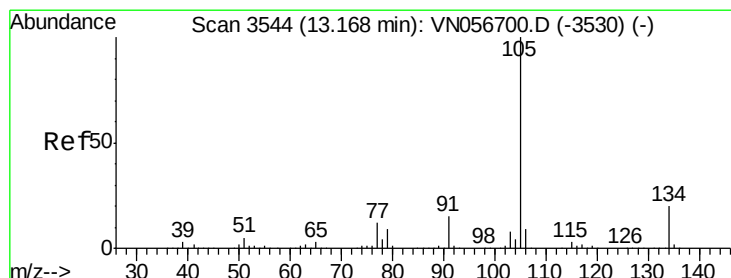
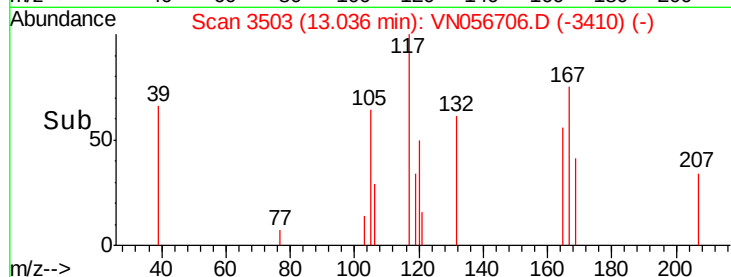
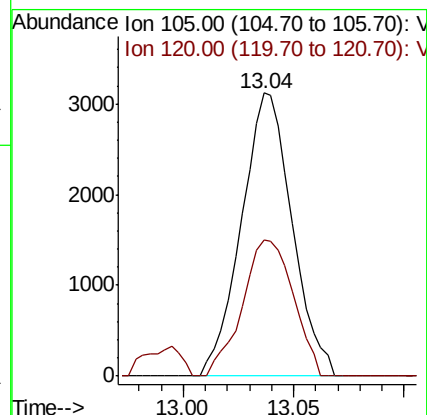
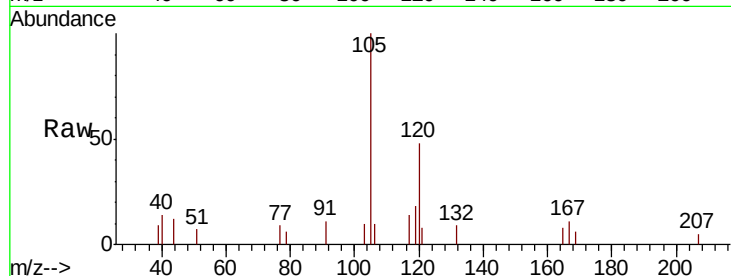
LOD-MDL-WATER-01-QT3-2019

Tot Ion:105 Resp: 4976

Ion Ratio Lower Upper

105 100

120 48.2 22.9 68.8



#85

sec-Butylbenzene

Concen: 0.617 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056706.D

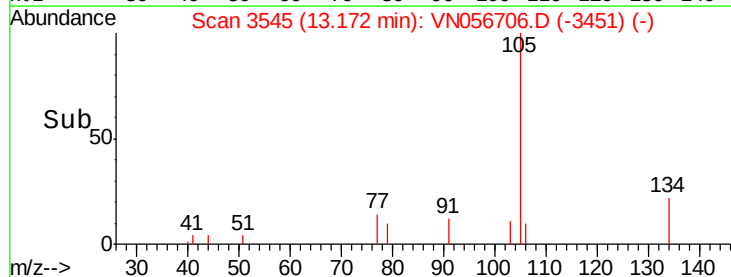
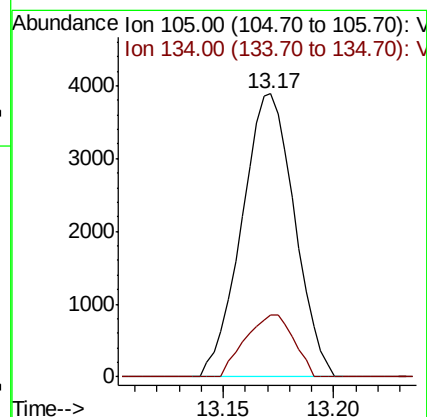
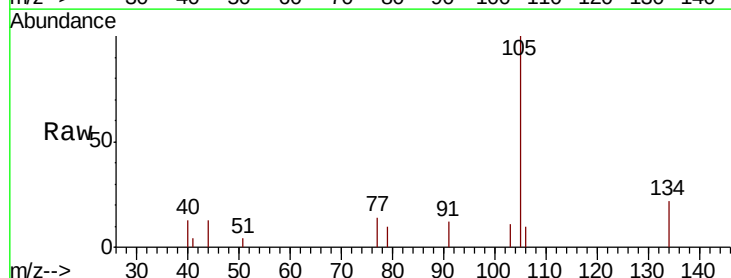
Acq: 15 Jul 2019 12:56

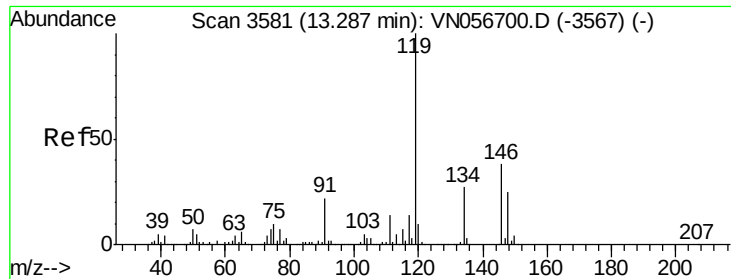
Tgt Ion:105 Resp: 6462

Ion Ratio Lower Upper

105 100

134 20.1 10.1 30.1

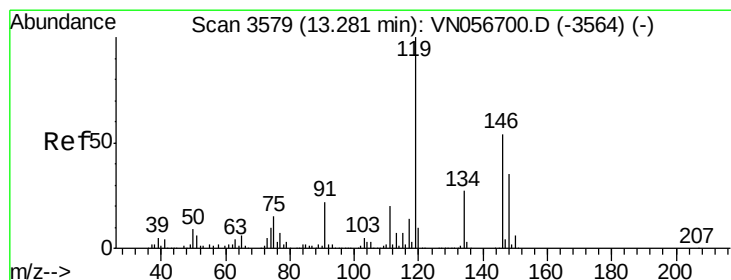
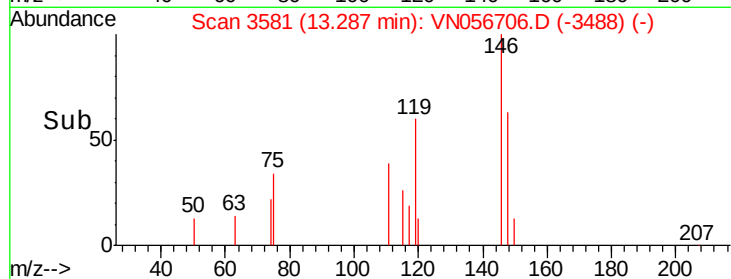
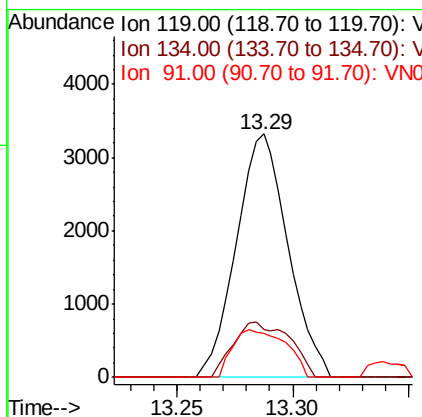
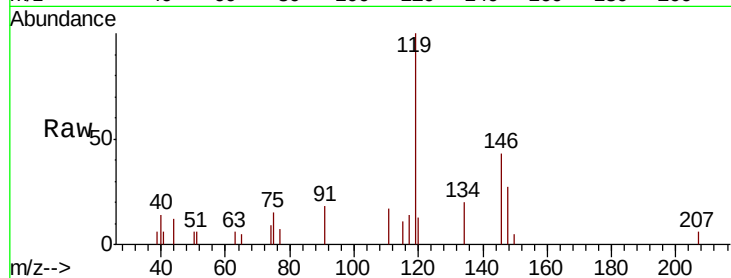




#86
 p-Isopropyltoluene
 Concen: 0.541 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056706.D
 Acq: 15 Jul 2019 12:56

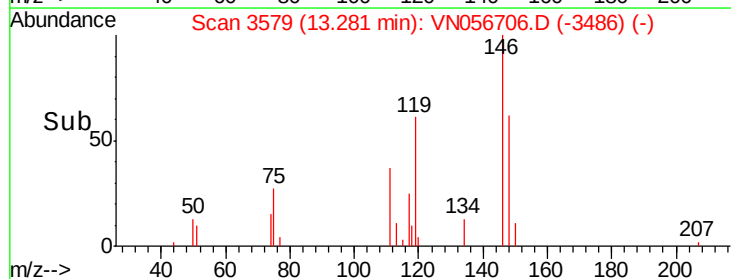
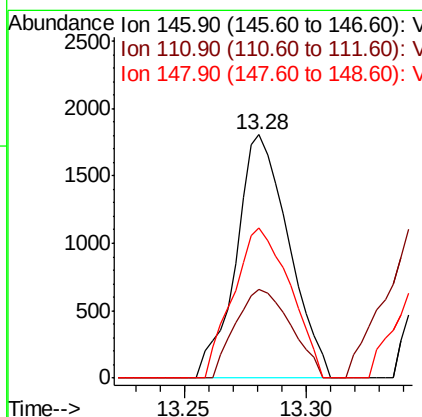
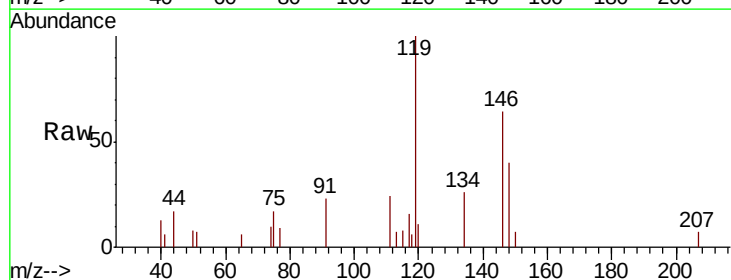
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

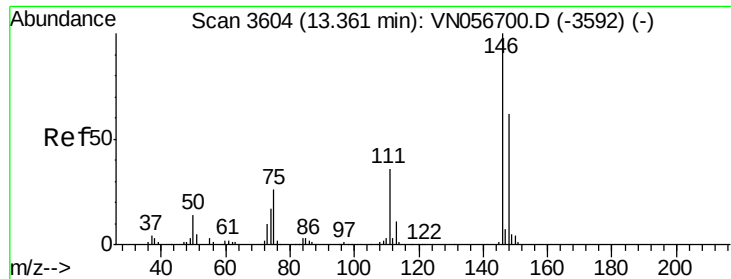
Tot Ion:119 Resp: 5134
 Ion Ratio Lower Upper
 119 100
 134 24.6 13.6 40.7
 91 20.0 11.2 33.5



#87
 1,3-Dichlorobenzene
 Concen: 0.565 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056706.D
 Acq: 15 Jul 2019 12:56

Tgt Ion:146 Resp: 2696
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.8 56.3
 148 67.0 32.3 96.8





#88

1,4-Dichlorobenzene

Concen: 0.581 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.08 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

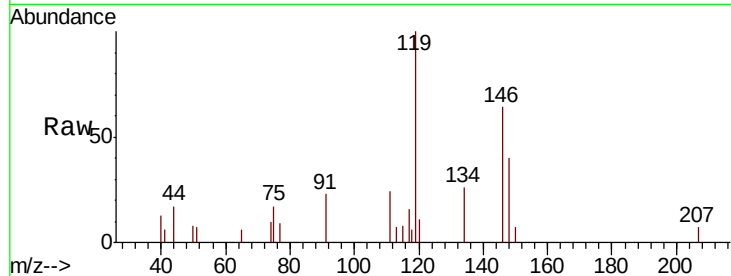
Tot Ion:146 Resp: 2696

Ion Ratio Lower Upper

146 100

111 38.5 18.6 55.8

148 67.0 31.9 95.7

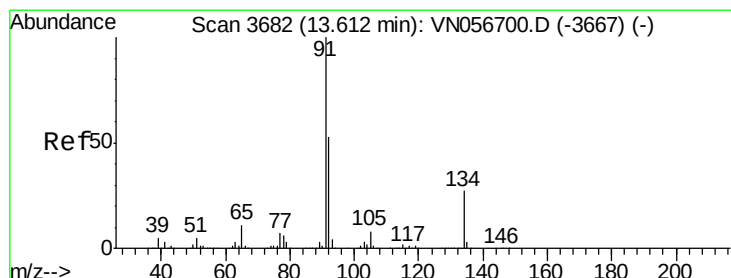
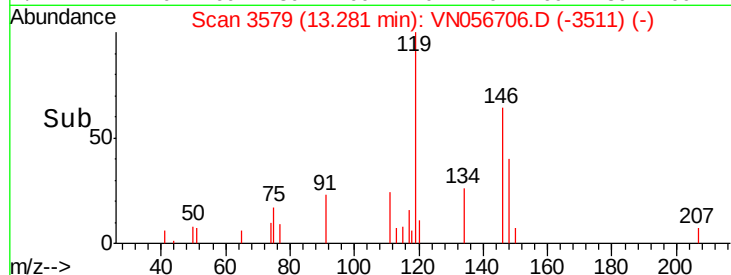
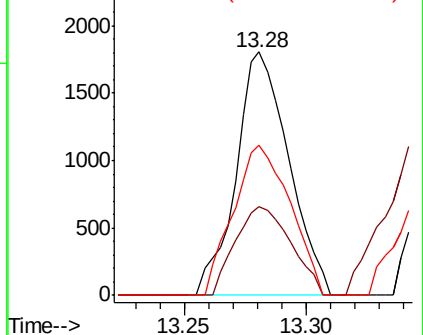


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.476 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

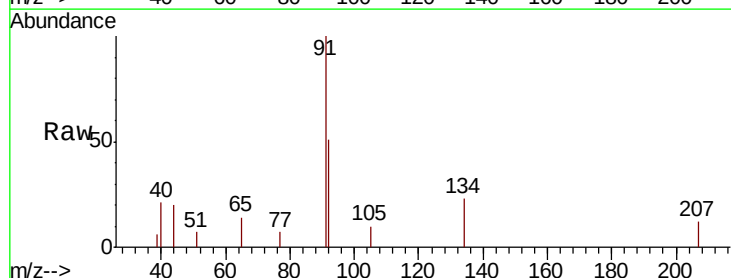
Tgt Ion: 91 Resp: 3637

Ion Ratio Lower Upper

91 100

92 50.1 26.0 78.0

134 23.1 13.4 40.2

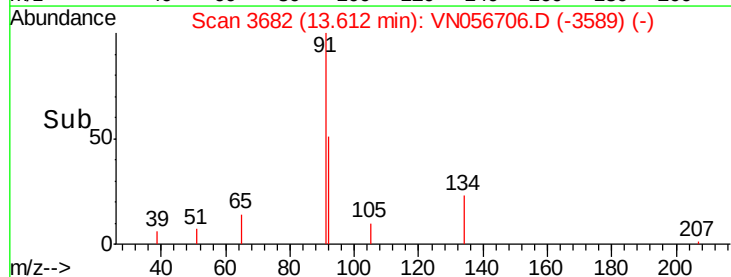
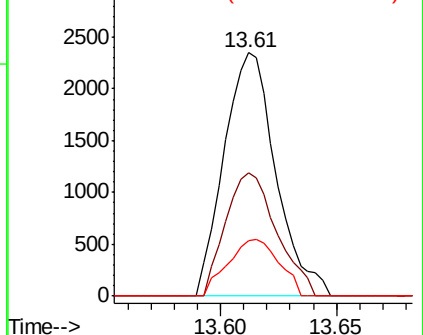


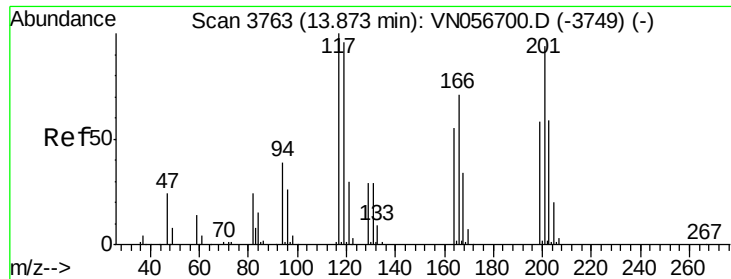
Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.450 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

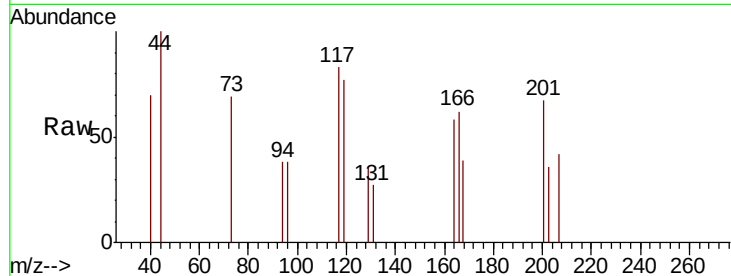
LOD-MDL-WATER-01-QT3-2019

Tot Ion:117 Resp: 690

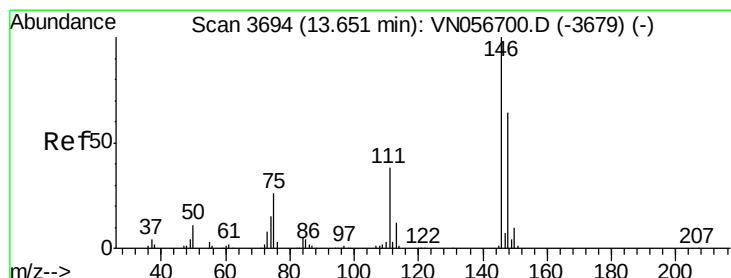
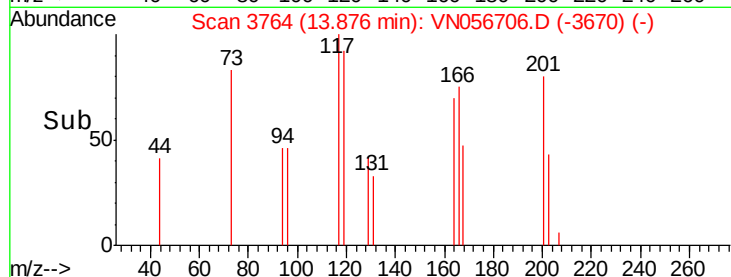
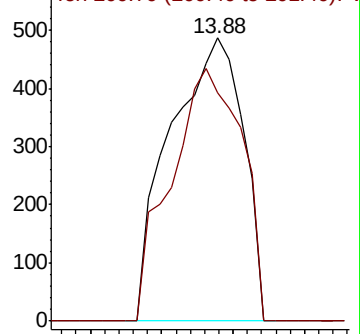
Ion Ratio Lower Upper

117 100

201 86.7 46.5 139.5



Abundance Ion 116.80 (116.50 to 117.50): V



#91

1,2-Dichlorobenzene

Concen: 0.519 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

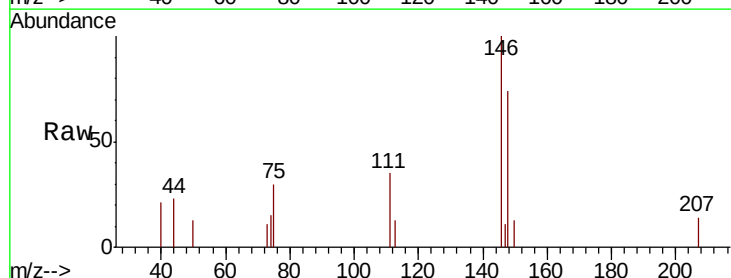
Tgt Ion:146 Resp: 2532

Ion Ratio Lower Upper

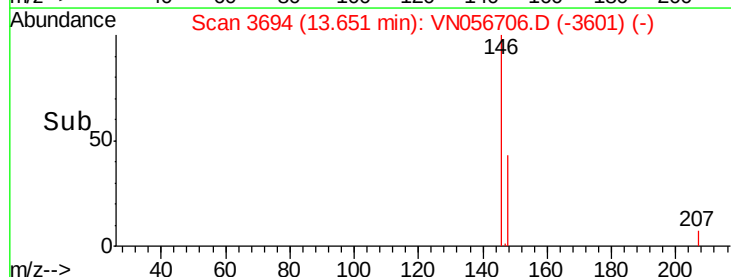
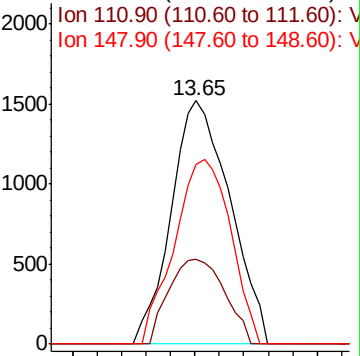
146 100

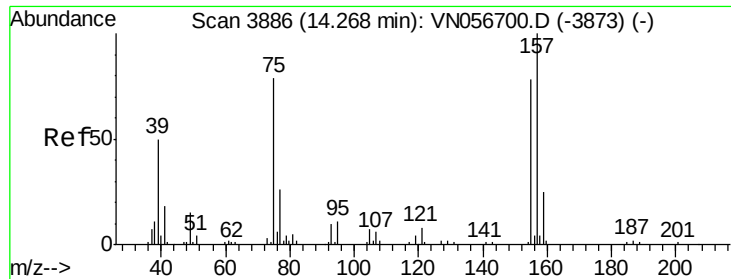
111 33.4 19.1 57.1

148 72.7 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.235 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

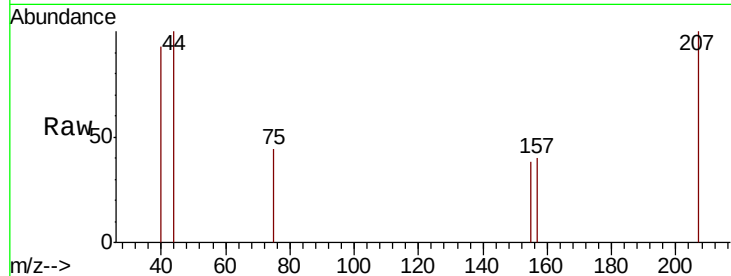
Tot Ion: 75 Resp: 140

Ion Ratio Lower Upper

75 100

155 46.4 49.3 147.9#

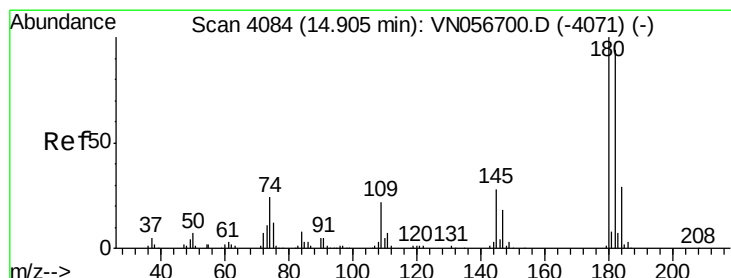
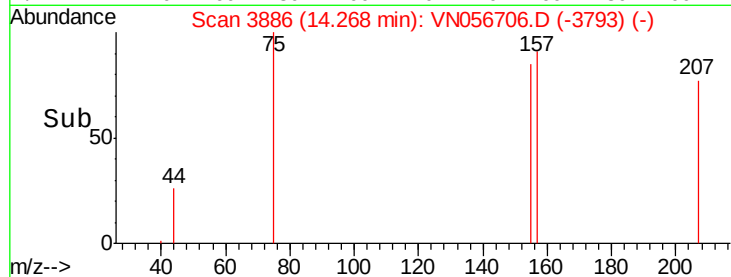
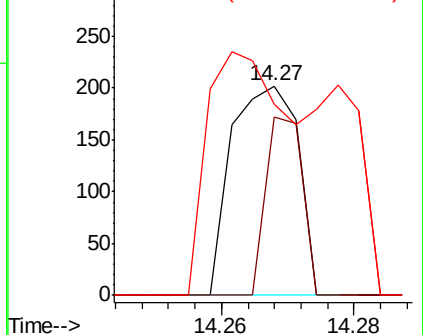
157 139.3 62.4 187.1



Abundance Ion 74.90 (74.60 to 75.60): VN056700.D (-3873) (-)

Ion 154.80 (154.50 to 155.50): VN056700.D (-3873) (-)

Ion 156.80 (156.50 to 157.50): VN056700.D (-3873) (-)



#93

1,2,4-Trichlorobenzene

Concen: 4.238 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. 0.00 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

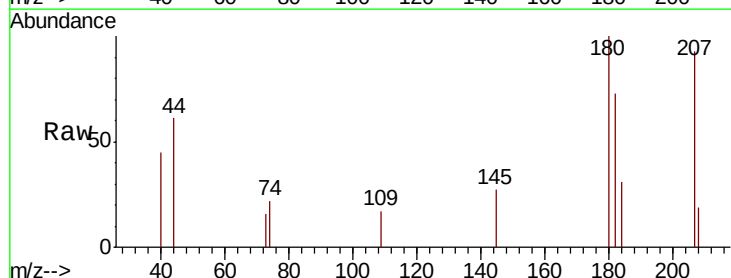
Tgt Ion: 180 Resp: 1590

Ion Ratio Lower Upper

180 100

182 80.9 47.2 141.6

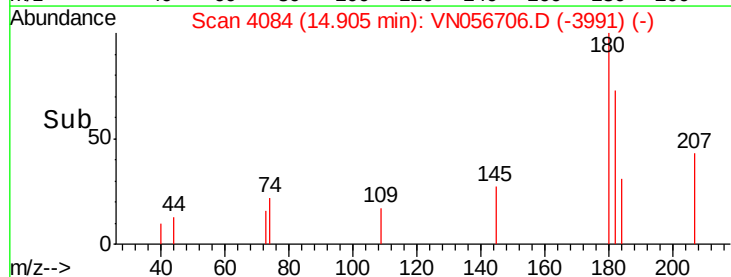
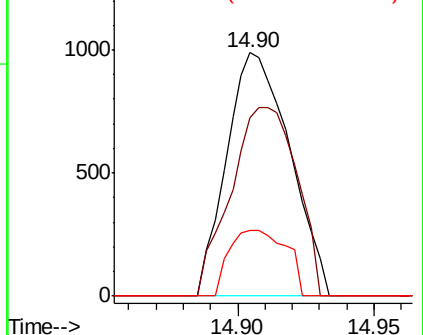
145 24.3 14.2 42.8

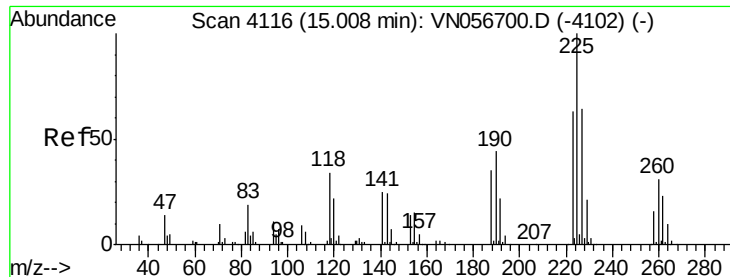


Abundance Ion 179.80 (179.50 to 180.50): VN056700.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN056700.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN056700.D (-4071) (-)





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

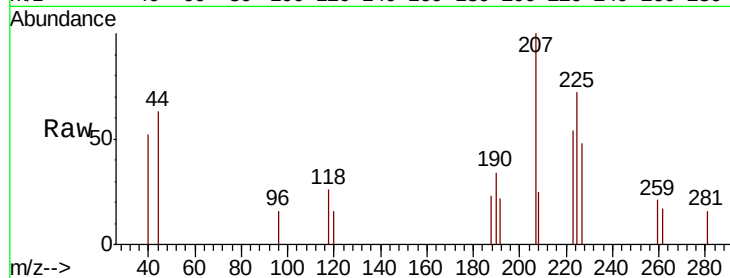
Tot Ion:225 Resp: 1094

Ion Ratio Lower Upper

225 100

223 61.8 31.5 94.5

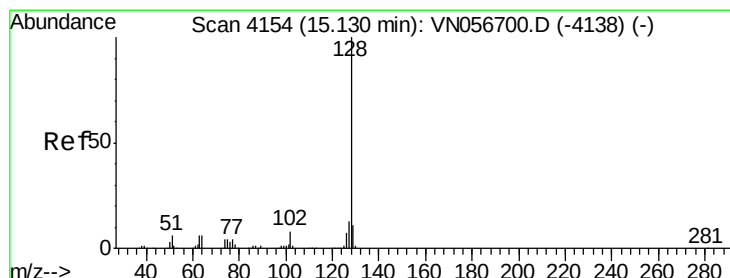
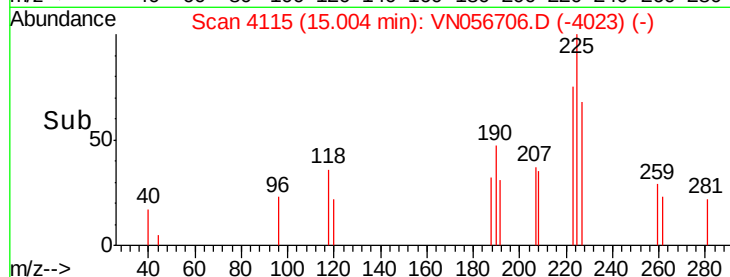
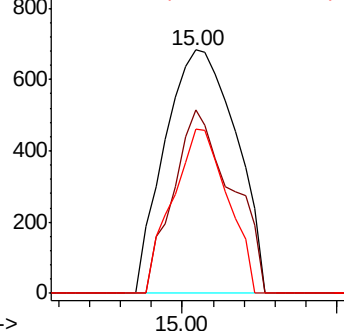
227 52.4 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 4.941 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056706.D

Acq: 15 Jul 2019 12:56

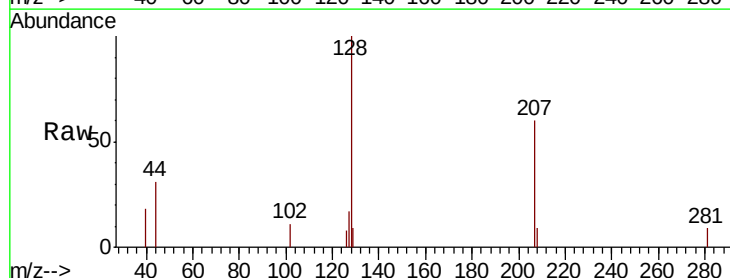
Tgt Ion:128 Resp: 3373

Ion Ratio Lower Upper

128 100

127 12.2 10.3 15.5

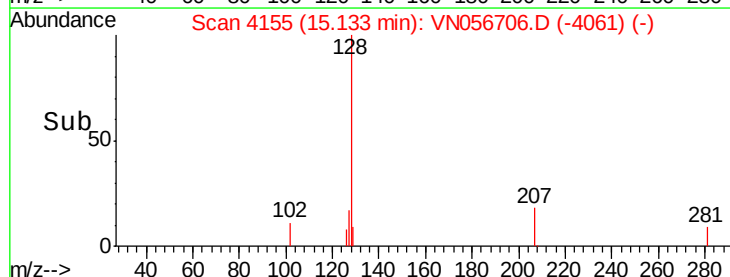
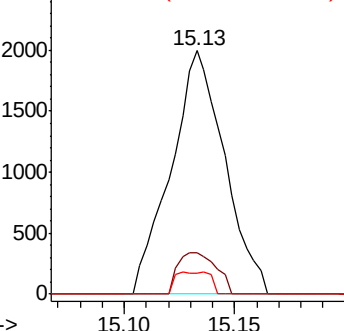
129 5.9 8.7 13.1#

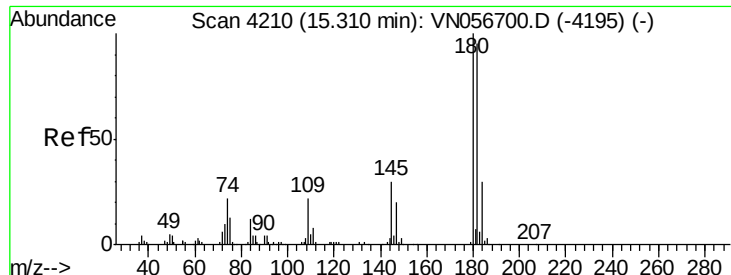


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 3.936 ug/l
 RT: 15.31 min Scan# 4209
 Delta R.T. -0.00 min
 Lab File: VN056706.D
 Acq: 15 Jul 2019 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion:180 Resp: 1756
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.1 141.3
 145 22.4 15.0 45.1

