

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055489.D
 Acq On : 9 May 2019 11:53
 Operator : JC/SP
 Sample : K2241-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Quant Time: May 10 04:11:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 04:17:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	677084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1209792	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1015690	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	286466	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	527723	51.76	ug/l	0.00
Spiked Amount			Recovery	=	103.52%	
35) Dibromofluoromethane	7.59	113	394970	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
50) Toluene-d8	10.09	98	1465622	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	
62) 4-Bromofluorobenzene	12.40	95	435595	42.48	ug/l	0.00
Spiked Amount			Recovery	=	84.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	6538	0.948	ug/l	100
3) Chloromethane	2.06	50	10750	0.960	ug/l	99
4) Vinyl Chloride	2.19	62	8971	0.849	ug/l	89
5) Bromomethane	2.55	94	6475	1.118	ug/l	97
6) Chloroethane	2.70	64	6279	1.020	ug/l	99
7) Trichlorofluoromethane	3.02	101	10814	0.932	ug/l	93
8) Diethyl Ether	3.42	74	4876	0.936	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	6810	0.923	ug/l #	89
10) Methyl Iodide	3.95	142	8533	0.856	ug/l #	86
11) Tert butyl alcohol	4.80	59	4986	3.312	ug/l #	85
12) 1,1-Dichloroethene	3.73	96	6949	0.939	ug/l	89
14) Allyl chloride	4.32	41	13409	0.885	ug/l	94
15) Acrylonitrile	5.00	53	17910	3.843	ug/l	99
16) Acetone	3.83	43	20636	4.372	ug/l	92
17) Carbon Disulfide	4.05	76	18370	0.910	ug/l	96
18) Methyl Acetate	4.33	43	8363	Below Cal	#	82
19) Methyl tert-butyl Ether	5.05	73	20202	0.822	ug/l	95
20) Methylene Chloride	4.55	84	8707	0.902	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	6589	0.821	ug/l	96
22) Diisopropyl ether	5.96	45	25012	0.812	ug/l #	71
23) Vinyl Acetate	5.91	43	89495	3.757	ug/l	100
24) 1,1-Dichloroethane	5.84	63	8480	0.510	ug/l #	94
25) 2-Butanone	6.85	43	21803	3.344	ug/l	94
26) 2,2-Dichloropropane	6.82	77	9212	0.889	ug/l	89
27) cis-1,2-Dichloroethene	6.83	96	7994	0.862	ug/l	84
28) Bromochloromethane	7.20	49	7238	0.838	ug/l #	94
29) Tetrahydrofuran	7.22	42	18461	4.283	ug/l	95
30) Chloroform	7.37	83	13626	0.886	ug/l	95
31) Cyclohexane	7.66	56	26834	1.631	ug/l #	28
32) 1,1,1-Trichloroethane	7.57	97	11050	0.944	ug/l #	50
36) 1,1-Dichloropropene	7.79	75	10635	0.892	ug/l	95
38) Carbon Tetrachloride	7.77	117	10104	1.007	ug/l #	80
39) Methylcyclohexane	9.07	83	11572	0.796	ug/l	96
40) Benzene	8.04	78	30153	0.815	ug/l	95

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

41) Methacrylonitrile	7.18	41	4313	0.715	ug/l #	82
42) 1,2-Dichloroethane	8.13	62	12058	0.928	ug/l	97
43) Isopropyl Acetate	8.17	43	15377	0.779	ug/l	95
44) Trichloroethene	8.83	130	7928	0.901	ug/l	77
45) 1,2-Dichloropropane	9.12	63	8499	0.803	ug/l	96
46) Dibromomethane	9.21	93	4994	0.814	ug/l	97
47) Bromodichloromethane	9.40	83	9568	0.815	ug/l	93
48) Methyl methacrylate	9.21	41	8126	0.854	ug/l	89
49) 1,4-Dioxane	9.20	88	2345	12.643	ug/l #	79
51) 4-Methyl-2-Pentanone	9.99	43	45020	3.466	ug/l	98
52) Toluene	10.16	92	17528	0.829	ug/l	94
53) t-1,3-Dichloropropene	10.38	75	8646	0.767	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	10013	0.743	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	7012	0.818	ug/l	91
56) Ethyl methacrylate	10.43	69	8566	0.672	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	11887	0.781	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.71	63	190	12.554	ug/l #	52
59) 2-Hexanone	10.75	43	30614	3.360	ug/l	96
60) Dibromochloromethane	10.90	129	6280	0.806	ug/l	99
61) 1,2-Dibromoethane	11.01	107	6023	0.732	ug/l	93
64) Tetrachloroethene	10.63	164	6541	0.786	ug/l #	88
65) Chlorobenzene	11.43	112	17137	0.820	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	5724	0.796	ug/l #	56
67) Ethyl Benzene	11.51	91	29769	0.759	ug/l	99
68) m/p-Xylenes	11.62	106	20621	1.464	ug/l	96
69) o-Xylene	11.95	106	9739	0.704	ug/l	98
70) Styrene	11.96	104	14913	0.672	ug/l	96
71) Bromoform	12.13	173	3416	0.704	ug/l #	100
73) Isopropylbenzene	12.25	105	27045	Below Cal		98
74) N-amyl acetate	12.07	43	7943	0.730	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	9527	Below Cal		97
76) 1,2,3-Trichloropropane	12.55	75	11532	1.479	ug/l #	100
77) Bromobenzene	12.53	156	6754	1.070	ug/l	96
78) n-propylbenzene	12.59	91	27297	0.888	ug/l	98
79) 2-Chlorotoluene	12.67	91	19270	1.006	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	21056	0.919	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	220278	104.224	ug/l #	7
82) 4-Chlorotoluene	12.77	91	15566	0.860	ug/l	96
83) tert-Butylbenzene	12.99	119	18027	0.918	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	17360	0.826	ug/l	95
85) sec-Butylbenzene	13.17	105	22779	0.873	ug/l	100
86) p-Isopropyltoluene	13.29	119	16518	0.778	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	8372	0.858	ug/l	98
88) 1,4-Dichlorobenzene	13.28	146	8372	0.870	ug/l	97
89) n-Butylbenzene	13.61	91	11640	0.707	ug/l	97
90) Hexachloroethane	13.88	117	3661	1.057	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	7812	0.801	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1218	0.925	ug/l	76
93) 1,2,4-Trichlorobenzene	14.91	180	2930	3.851	ug/l	97
94) Hexachlorobutadiene	15.01	225	3450	Below Cal		94

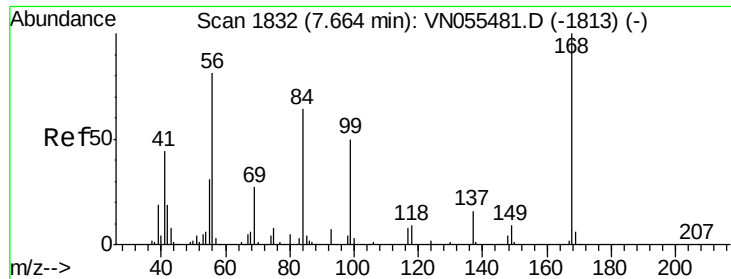
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.14	128	7485	3.527	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	2957	3.035	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

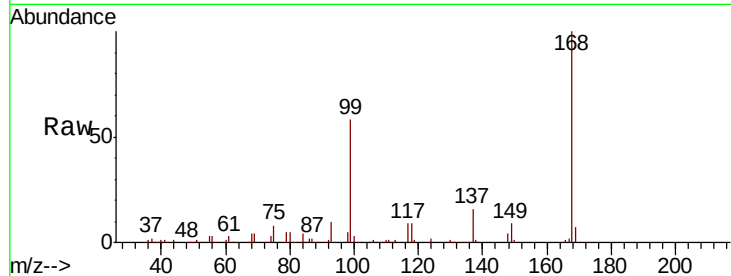
LOD-MDL-WATER-01-QT2-2019

Tot Ion:168 Resp: 677084

Ion Ratio Lower Upper

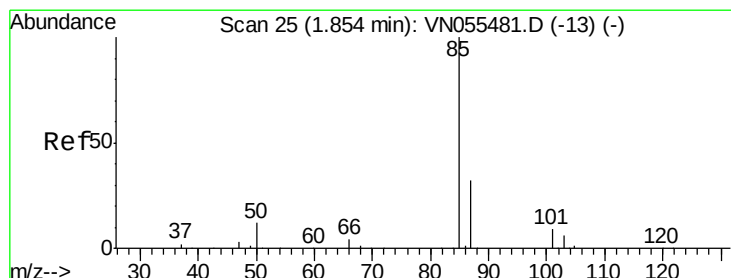
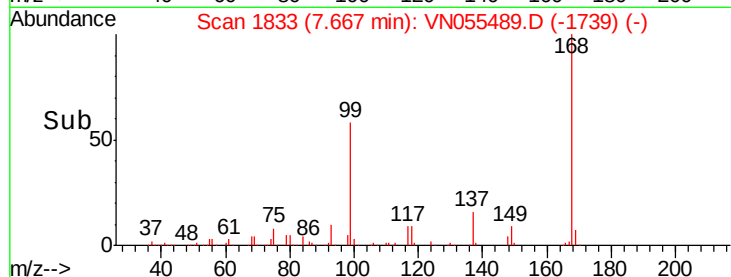
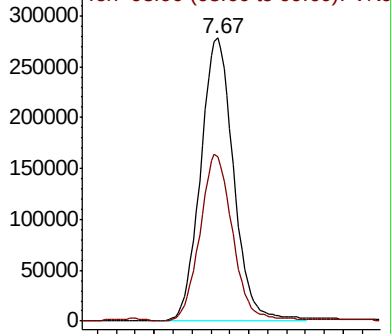
168 100

99 58.1 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 0.948 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055489.D

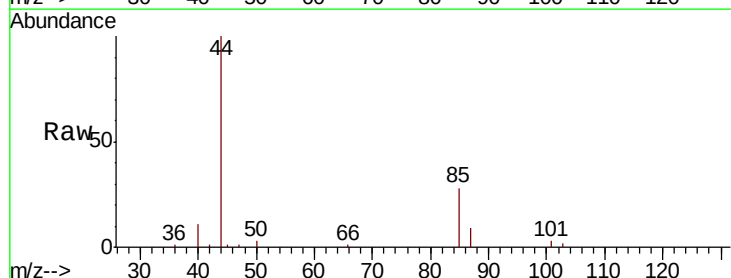
Acq: 9 May 2019 11:53

Tgt Ion: 85 Resp: 6538

Ion Ratio Lower Upper

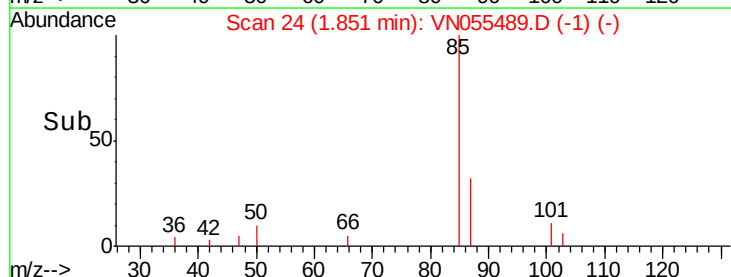
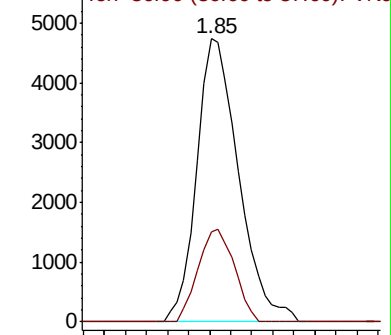
85 100

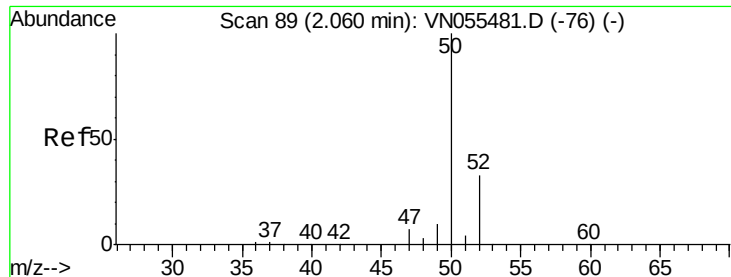
87 31.9 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 0.960 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

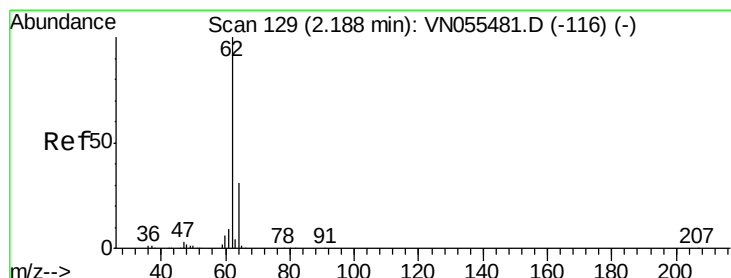
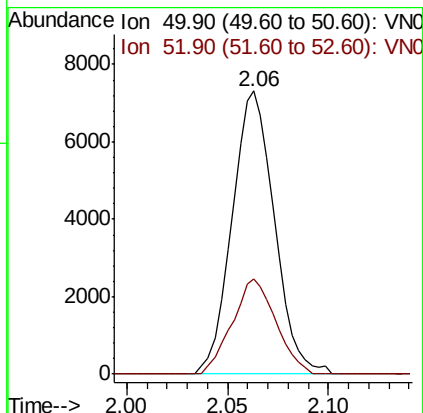
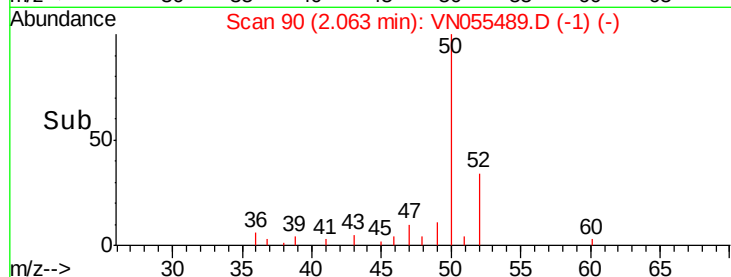
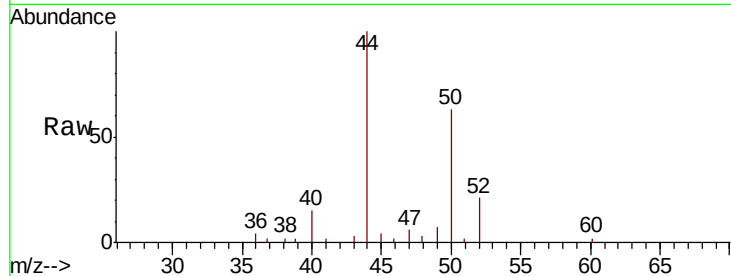
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 50 Resp: 10750

Ion Ratio Lower Upper

50 100

52 33.6 26.6 39.8



#4

Vinyl Chloride

Concen: 0.849 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055489.D

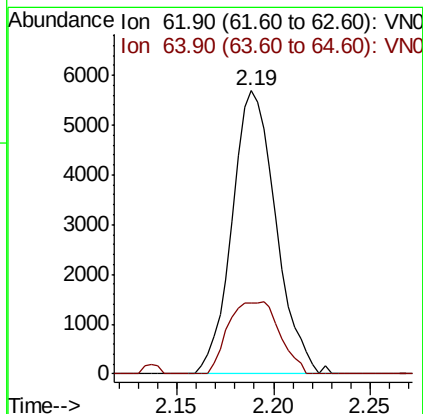
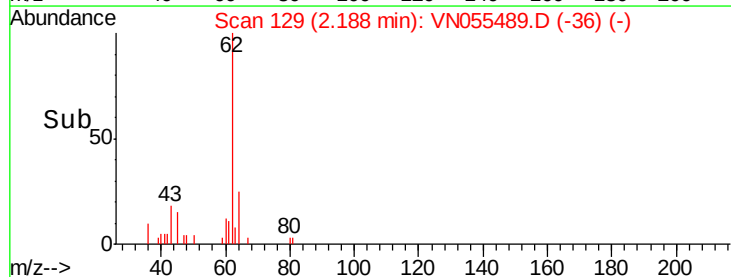
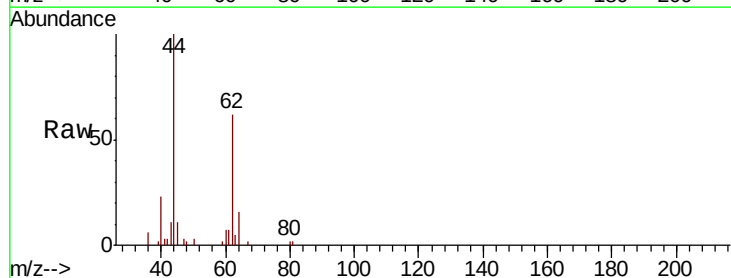
Acq: 9 May 2019 11:53

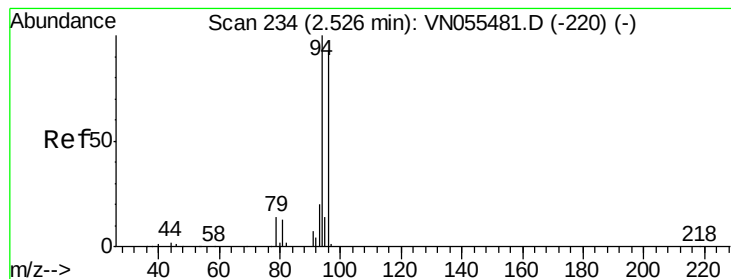
Tgt Ion: 62 Resp: 8971

Ion Ratio Lower Upper

62 100

64 25.1 25.0 37.6





#5

Bromomethane

Concen: 1.118 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.03 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

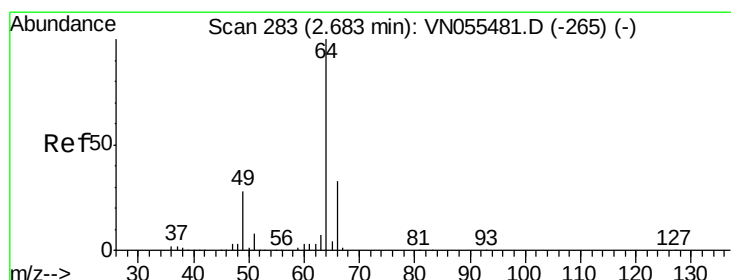
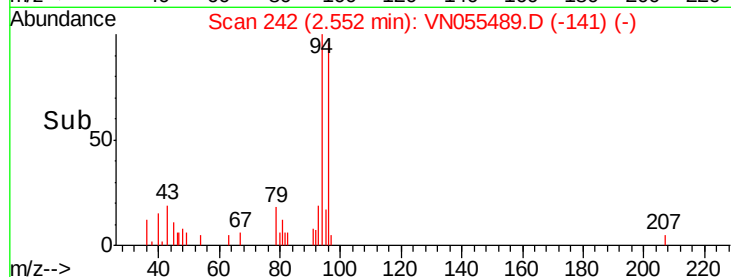
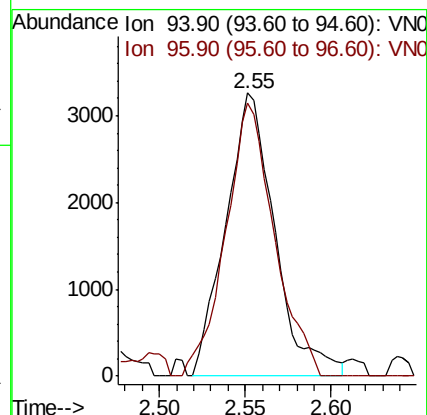
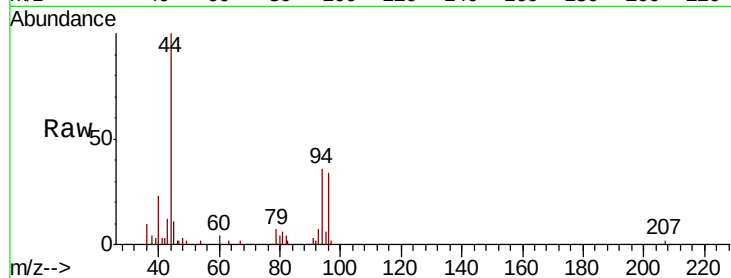
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 94 Resp: 6475

Ion Ratio Lower Upper

94 100

96 96.3 74.8 112.2



#6

Chloroethane

Concen: 1.020 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.02 min

Lab File: VN055489.D

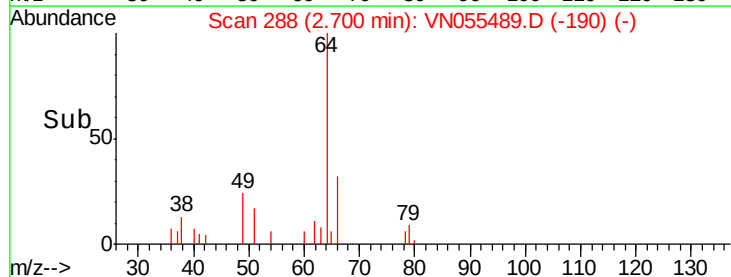
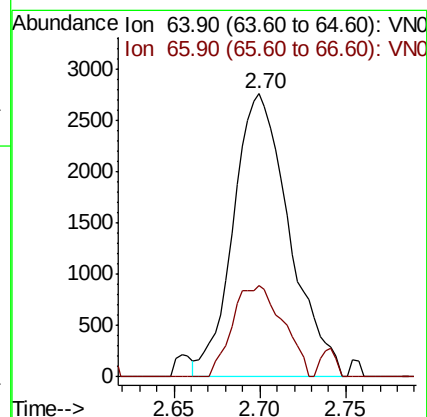
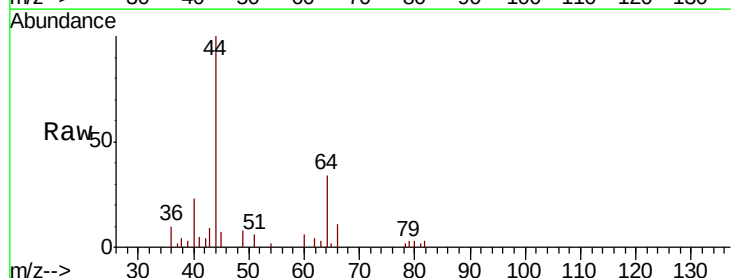
Acq: 9 May 2019 11:53

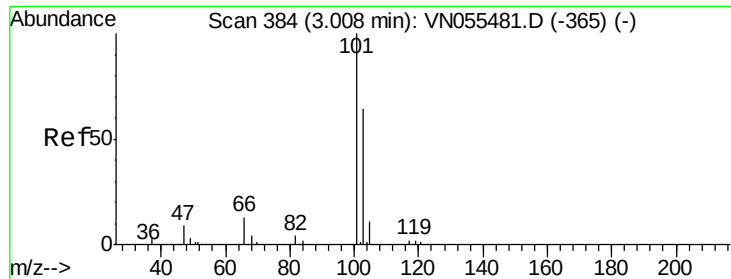
Tgt Ion: 64 Resp: 6279

Ion Ratio Lower Upper

64 100

66 32.2 26.2 39.2



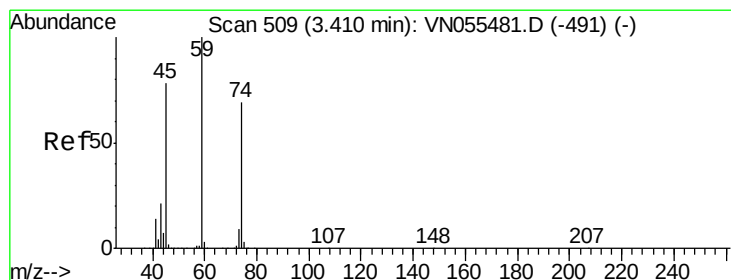
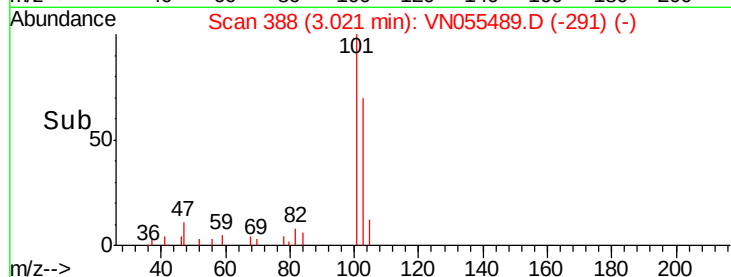
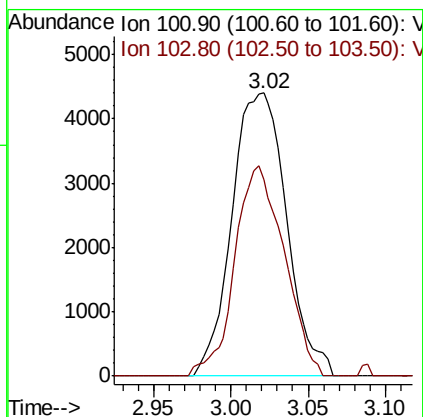
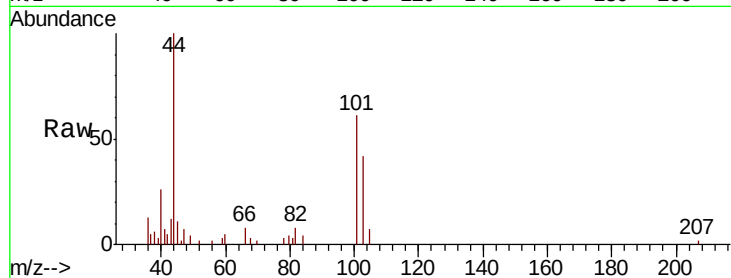


#7

Trichlorofluoromethane
 Concen: 0.932 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.01 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

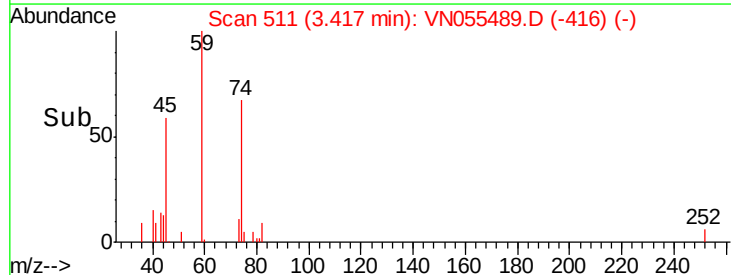
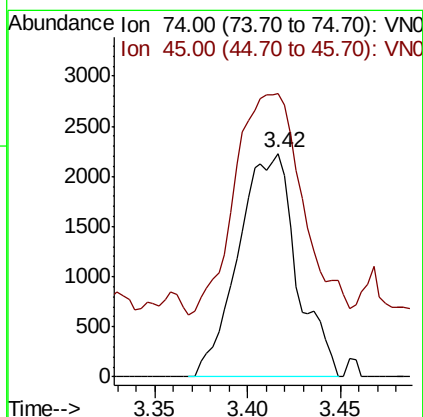
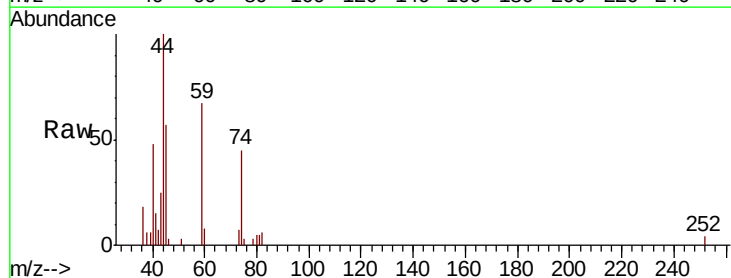
Tot Ion:101 Resp: 10814
 Ion Ratio Lower Upper
 101 100
 103 69.6 51.2 76.8

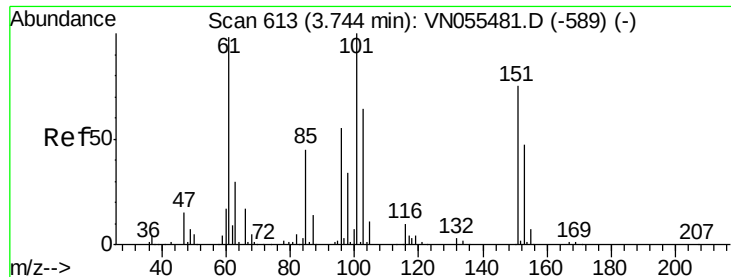


#8

Diethyl Ether
 Concen: 0.936 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

Tgt Ion: 74 Resp: 4876
 Ion Ratio Lower Upper
 74 100
 45 124.6 58.1 174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.923 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.01 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

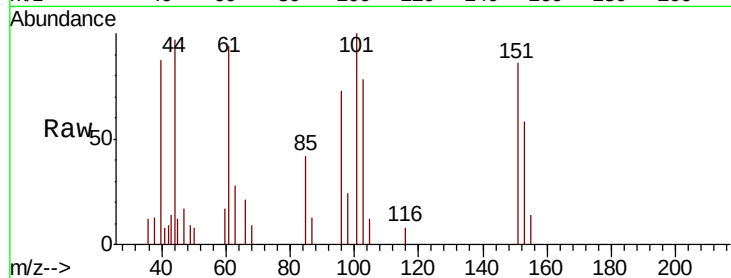
Tot Ion:101 Resp: 6810

Ion Ratio Lower Upper

101 100

85 27.9 35.5 53.3#

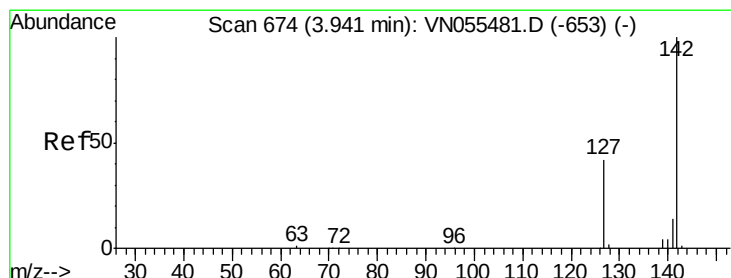
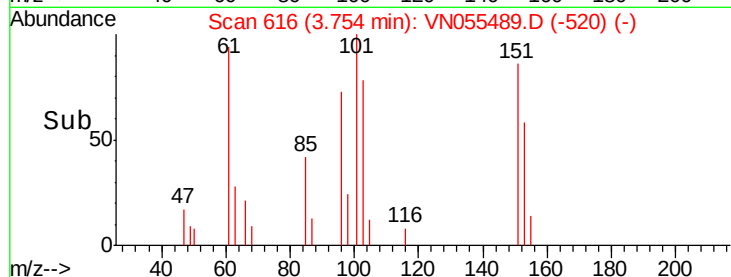
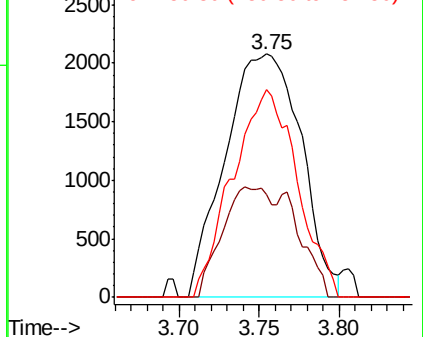
151 72.4 59.2 88.8



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: 0.856 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.01 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

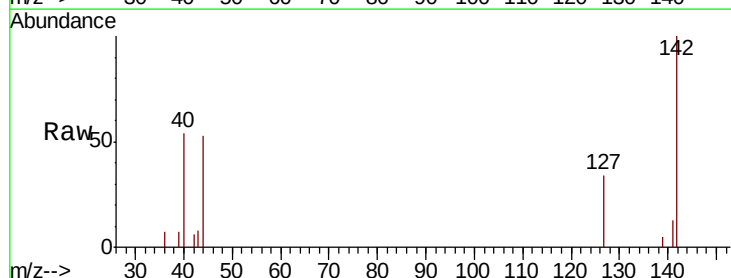
Tgt Ion:142 Resp: 8533

Ion Ratio Lower Upper

142 100

127 31.7 33.0 49.4#

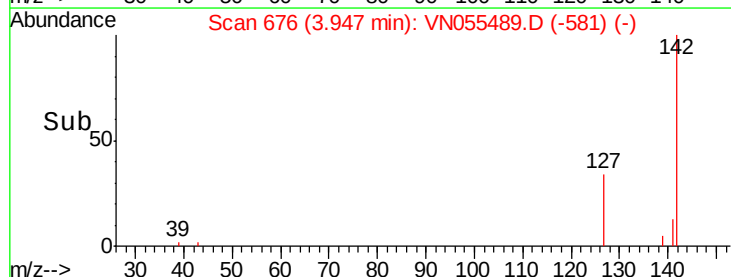
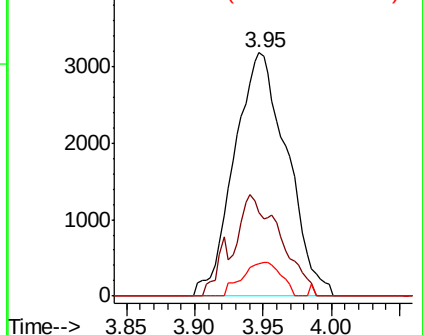
141 10.2 11.4 17.0#

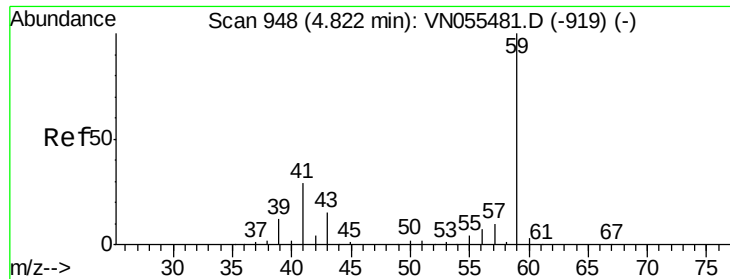


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



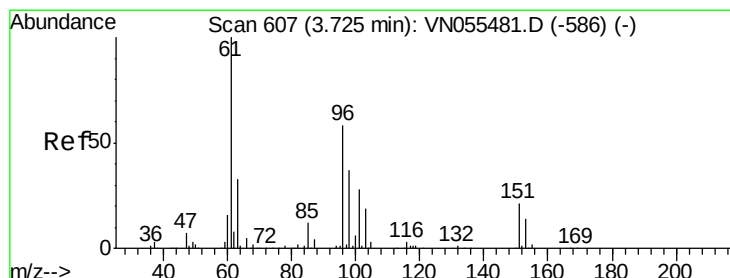
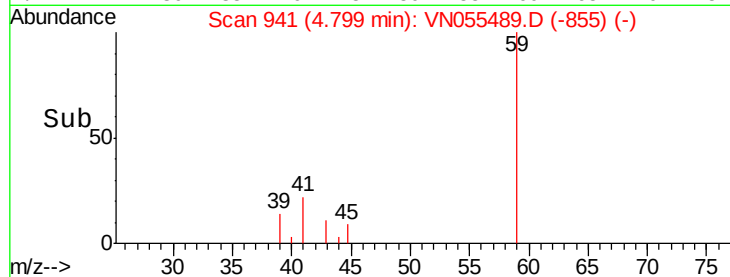
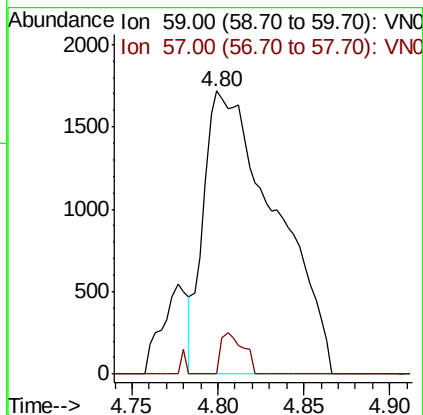
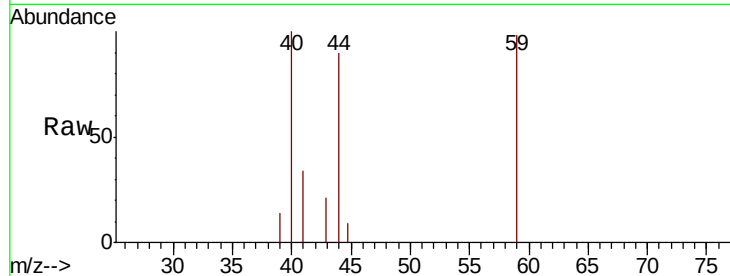


#11

Tert butyl alcohol
 Concen: 3.312 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. -0.02 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

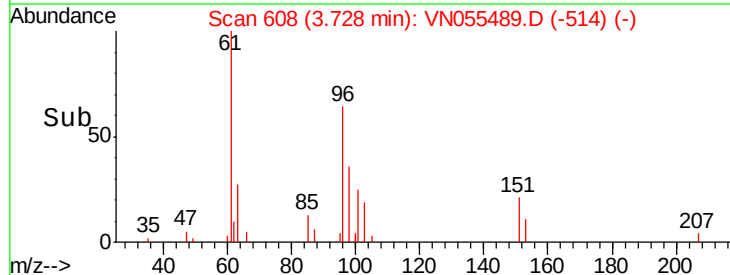
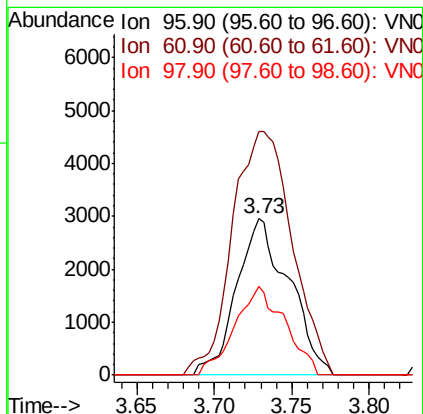
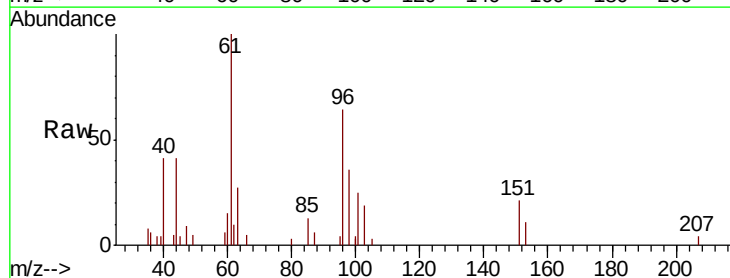
Tot Ion: 59 Resp: 4986
 Ion Ratio Lower Upper
 59 100
 57 4.6 8.0 12.0#

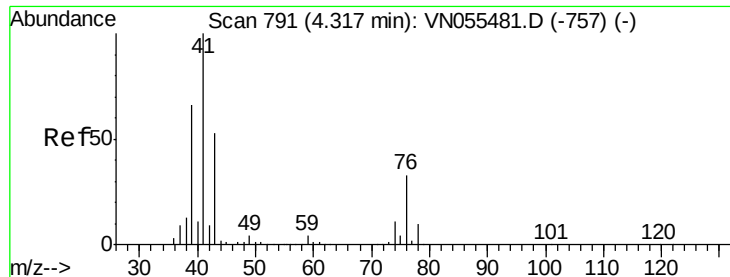


#12

1,1-Dichloroethene
 Concen: 0.939 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

Tgt Ion: 96 Resp: 6949
 Ion Ratio Lower Upper
 96 100
 61 156.1 138.7 208.1
 98 56.5 50.6 76.0





#14

Allvl chloride

Concen: 0.885 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

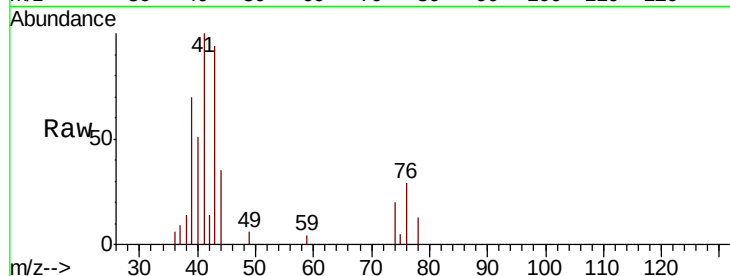
Tot Ion: 41 Resp: 13409

Ion Ratio Lower Upper

41 100

39 67.9 49.8 74.8

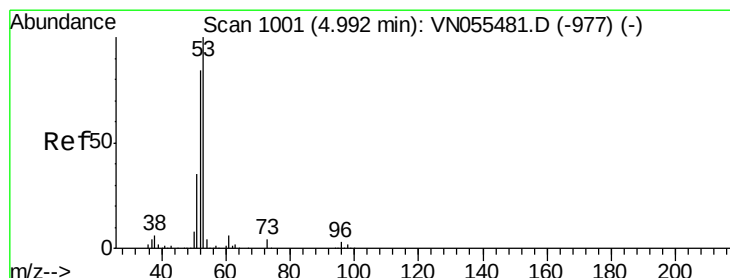
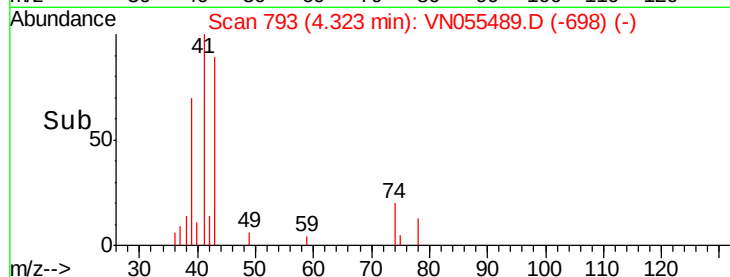
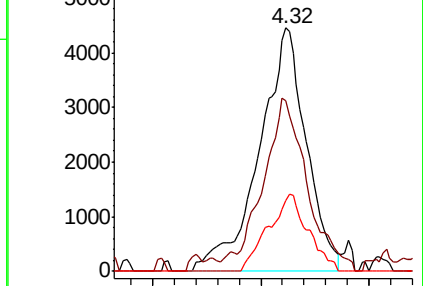
76 26.8 23.5 35.3



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



#15

Acrylonitrile

Concen: 3.843 ug/l

RT: 5.00 min Scan# 1004

Delta R.T. 0.01 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

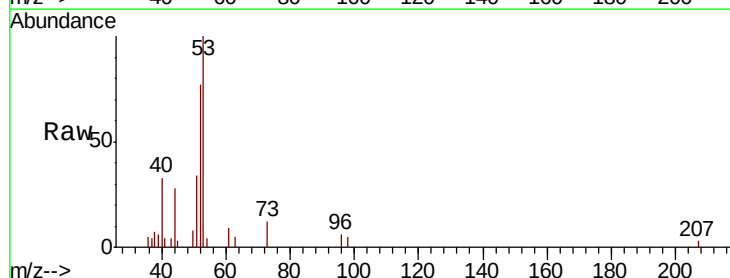
Tgt Ion: 53 Resp: 17910

Ion Ratio Lower Upper

53 100

52 81.6 66.1 99.1

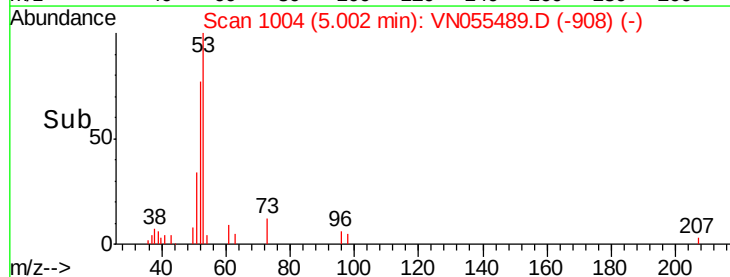
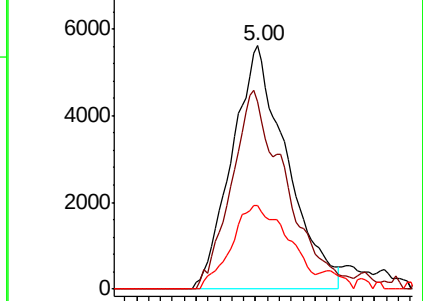
51 35.6 28.3 42.5

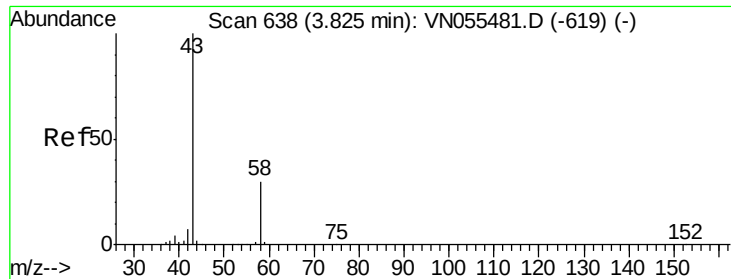


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#16

Acetone

Concen: 4.372 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

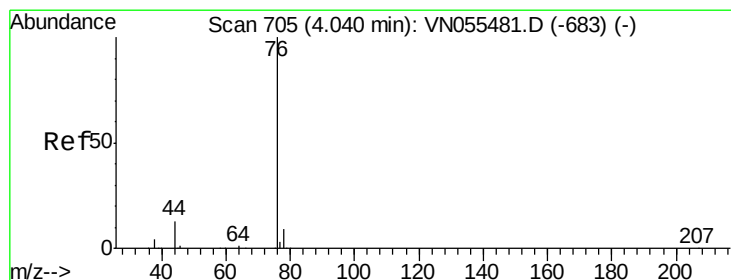
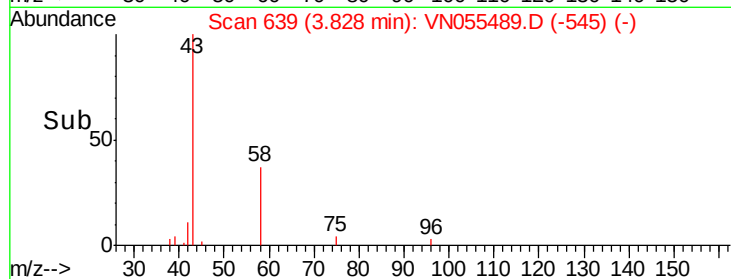
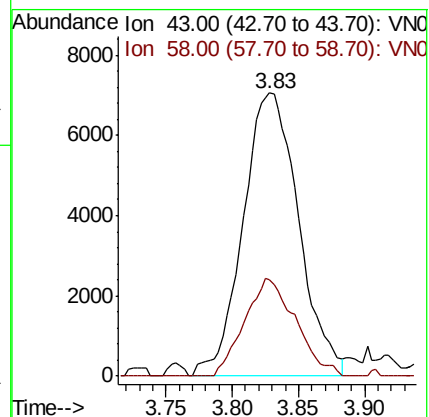
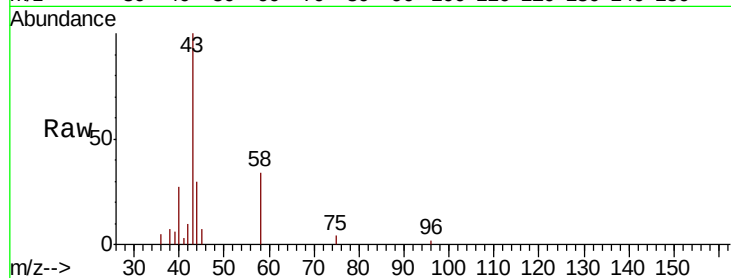
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 43 Resp: 20636

Ion Ratio Lower Upper

43 100

58 34.3 24.2 36.2



#17

Carbon Disulfide

Concen: 0.910 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VN055489.D

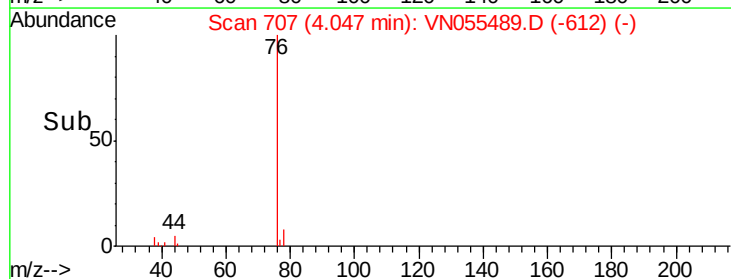
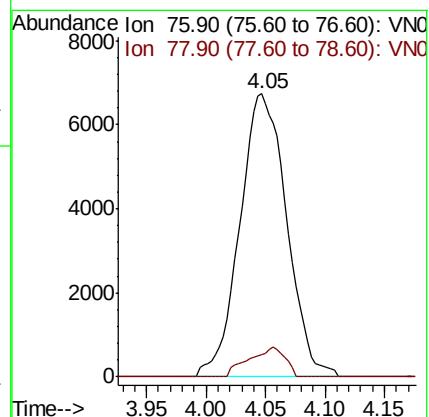
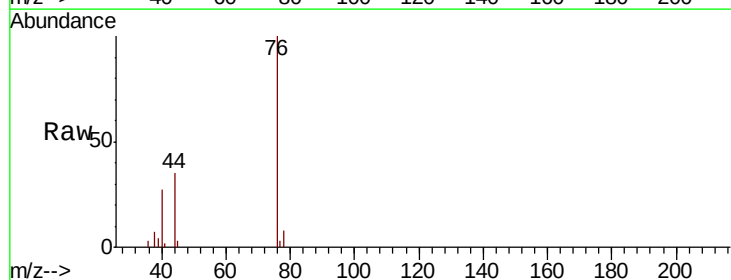
Acq: 9 May 2019 11:53

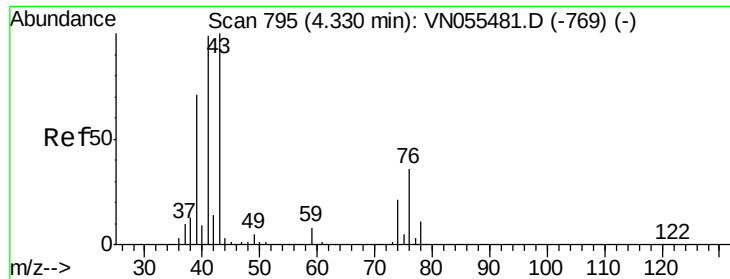
Tgt Ion: 76 Resp: 18370

Ion Ratio Lower Upper

76 100

78 7.8 7.4 11.0

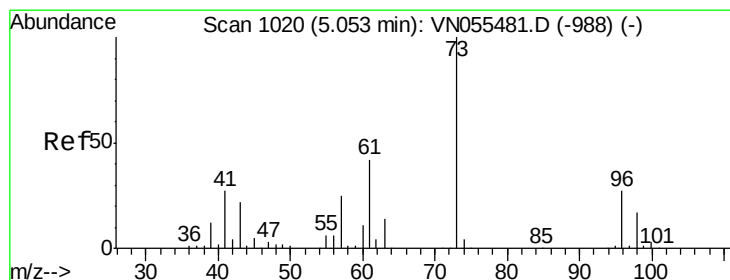
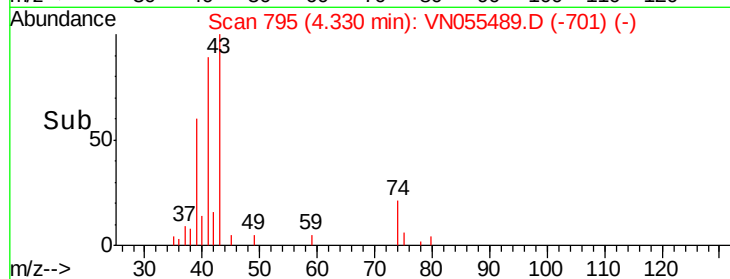
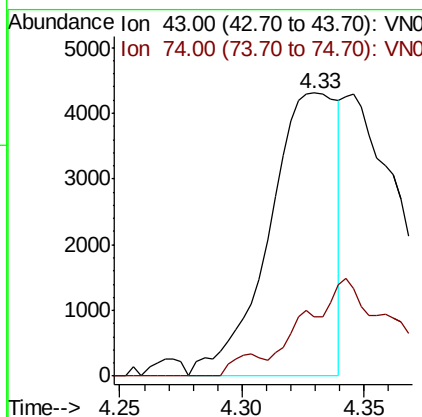
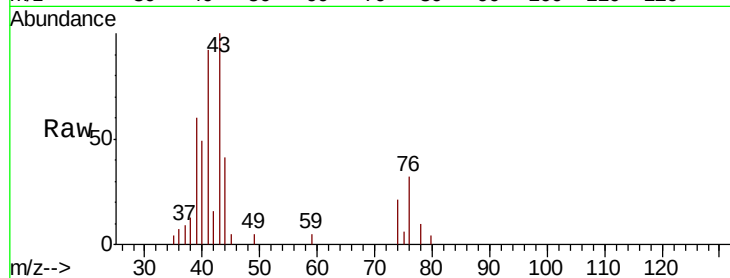




#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

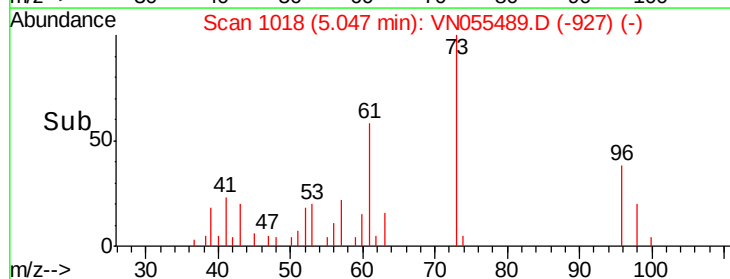
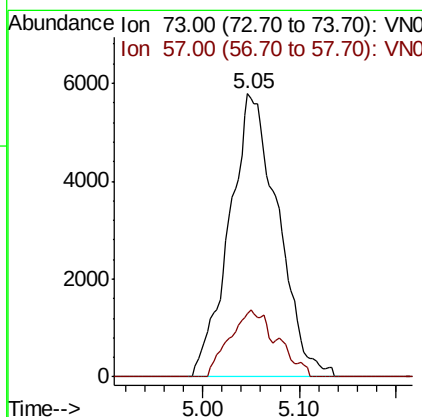
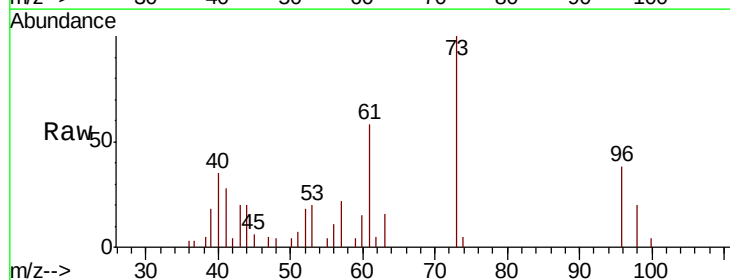
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

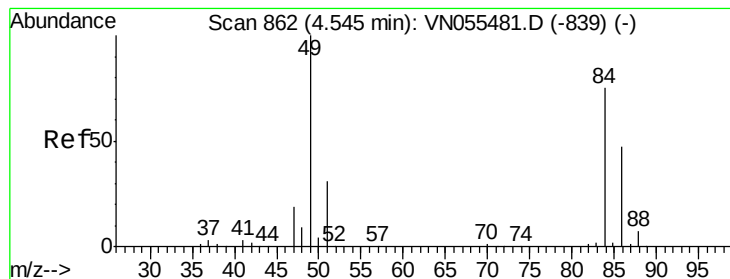
Tot Ion: 43 Resp: 8363
Ion Ratio Lower Upper
43 100
74 11.9 16.3 24.5#



#19
Methyl tert-butyl Ether
Concen: 0.822 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

Tgt Ion: 73 Resp: 20202
Ion Ratio Lower Upper
73 100
57 22.3 20.0 30.0





#20

Methylene Chloride

Concen: 0.902 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 84 Resp: 8707

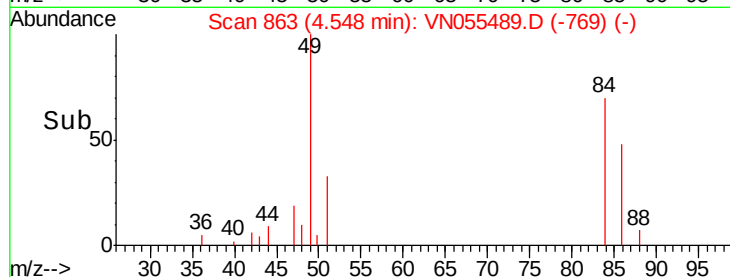
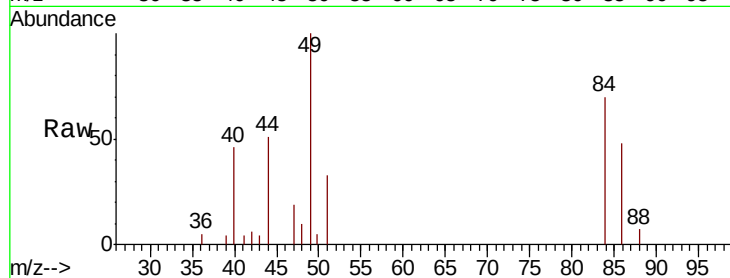
Ion Ratio Lower Upper

84 100

49 142.5 107.0 160.6

51 47.5 33.0 49.4

86 68.7 50.6 76.0

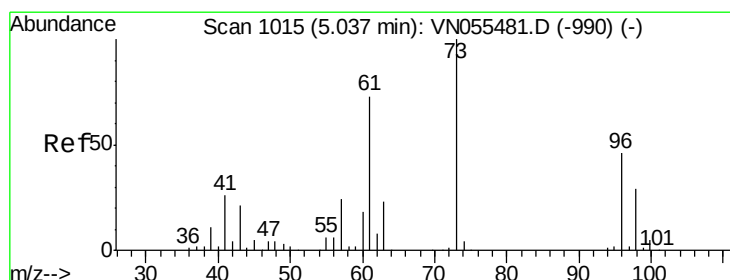
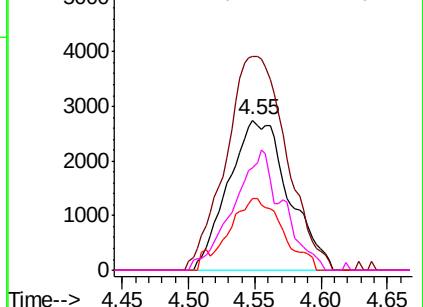


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#21

trans-1,2-Dichloroethene

Concen: 0.821 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

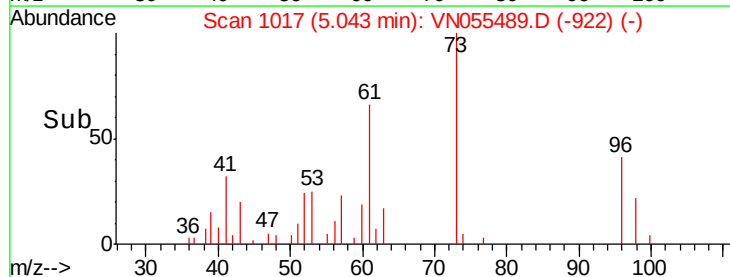
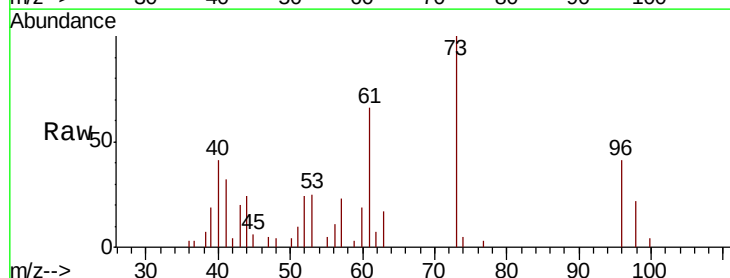
Tgt Ion: 96 Resp: 6589

Ion Ratio Lower Upper

96 100

61 161.8 127.4 191.0

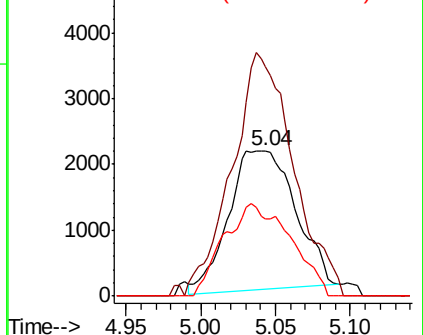
98 57.1 51.6 77.4

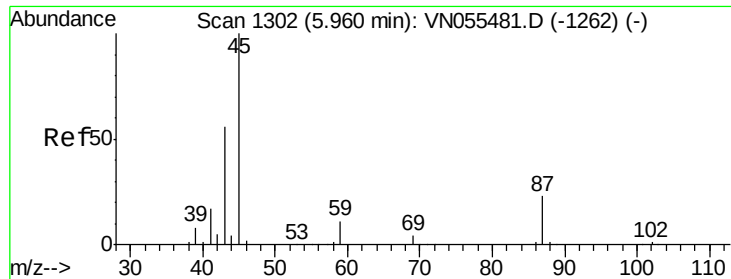


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#22

Diisopropyl ether

Concen: 0.812 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 45 Resp: 25012

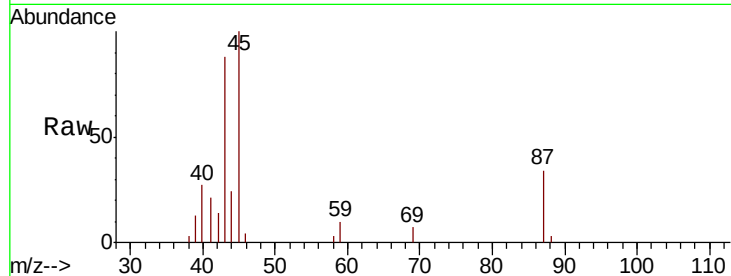
Ion Ratio Lower Upper

45 100

43 82.1 44.6 66.8#

87 34.1 18.6 28.0#

59 10.1 8.6 12.8

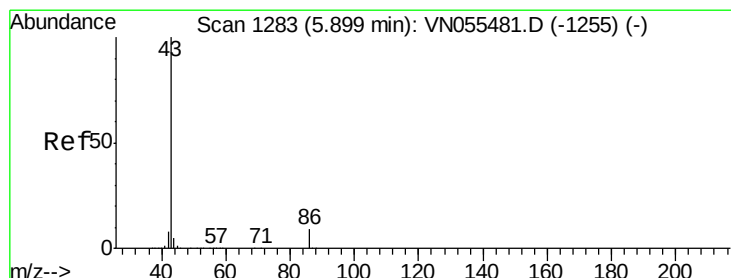
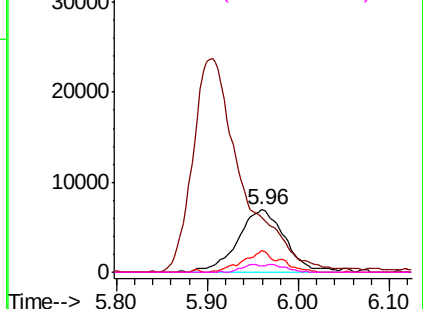
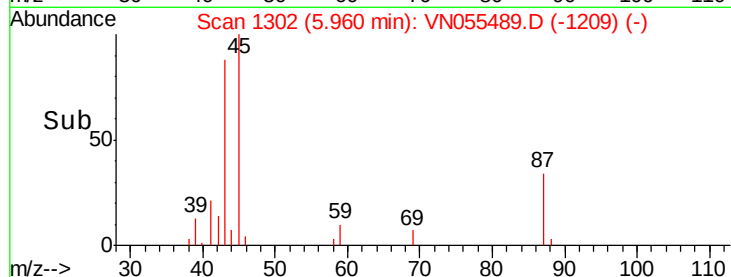


Abundance Ion 45.00 (44.70 to 45.70): VN0

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: 3.757 ug/l

RT: 5.91 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VN055489.D

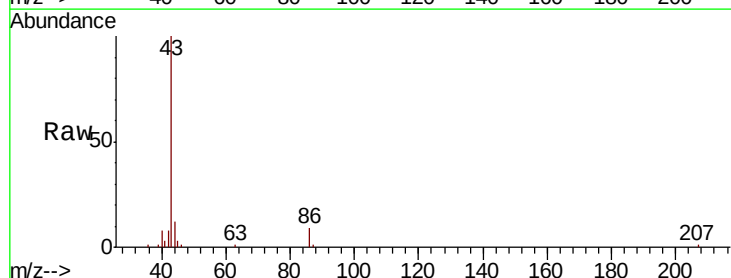
Acq: 9 May 2019 11:53

Tgt Ion: 43 Resp: 89495

Ion Ratio Lower Upper

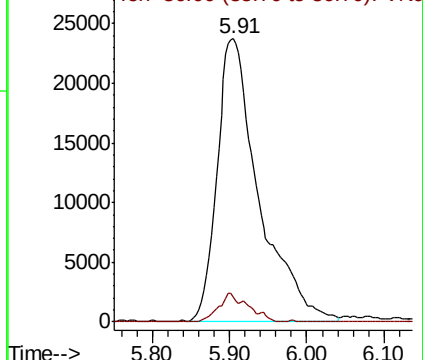
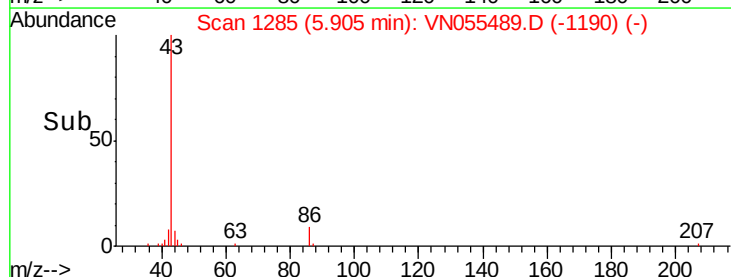
43 100

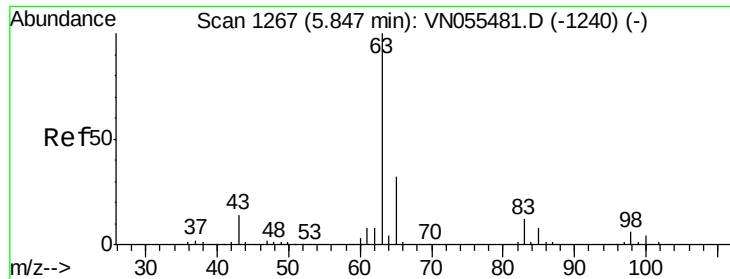
86 8.8 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#24

1,1-Dichloroethane

Concen: 0.510 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

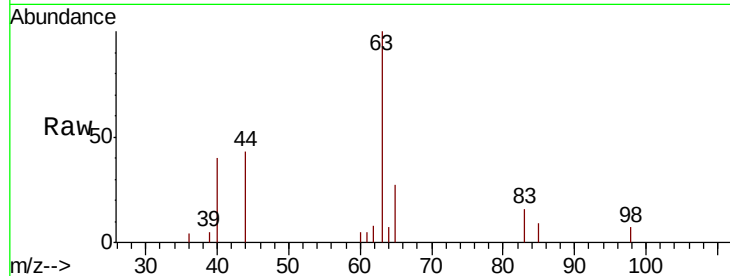
Tot Ion: 63 Resp: 8480

Ion Ratio Lower Upper

63 100

98 6.6 3.0 9.0

100 0.0 1.9 5.7#

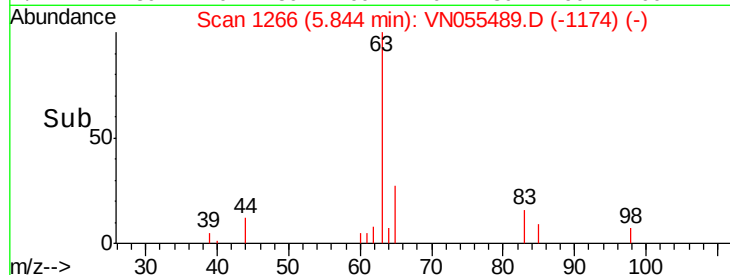


Abundance Ion 62.90 (62.60 to 63.60): VN055489.D (-1174) (-)

Ion 97.90 (97.60 to 98.60): VN055489.D (-1174) (-)

Ion 99.90 (99.60 to 100.60): VN055489.D (-1174) (-)

Time-->



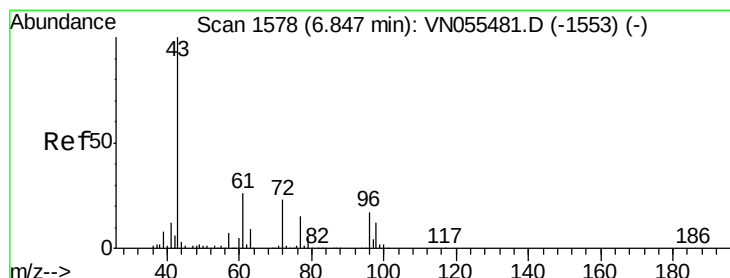
Abundance

Ion 62.90 (62.60 to 63.60): VN055489.D (-1174) (-)

Ion 97.90 (97.60 to 98.60): VN055489.D (-1174) (-)

Ion 99.90 (99.60 to 100.60): VN055489.D (-1174) (-)

Time-->



#25

2-Butanone

Concen: 3.344 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN055489.D

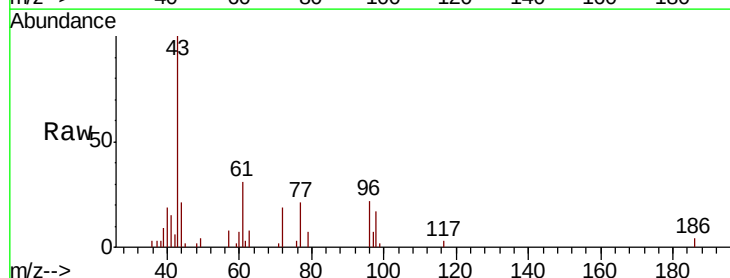
Acq: 9 May 2019 11:53

Tgt Ion: 43 Resp: 21803

Ion Ratio Lower Upper

43 100

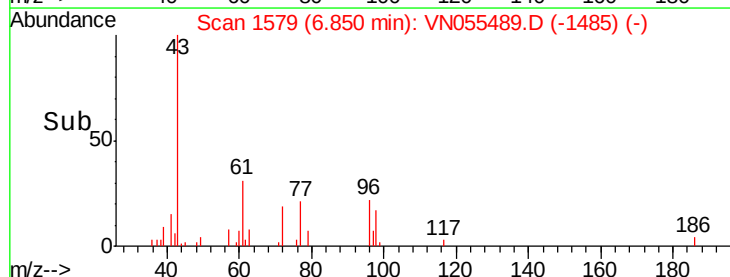
72 20.3 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN055489.D (-1485) (-)

Ion 72.00 (71.70 to 72.70): VN055489.D (-1485) (-)

Time-->

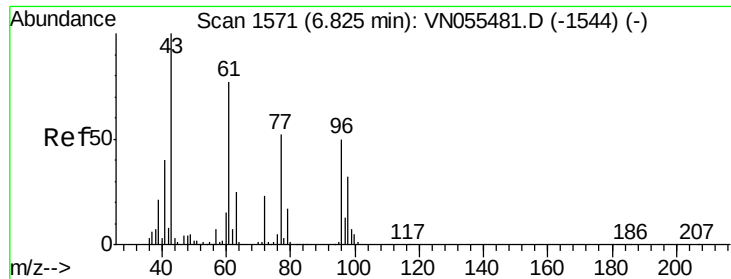


Abundance

Ion 43.00 (42.70 to 43.70): VN055489.D (-1485) (-)

Ion 72.00 (71.70 to 72.70): VN055489.D (-1485) (-)

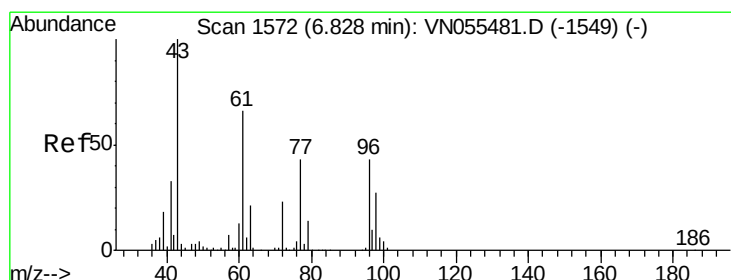
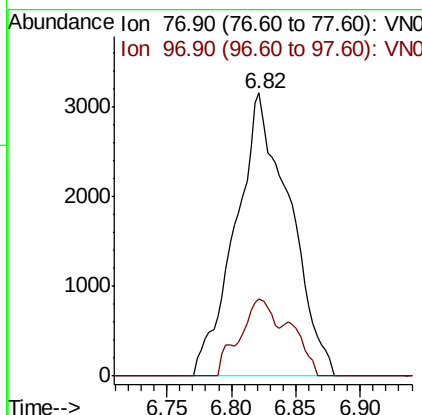
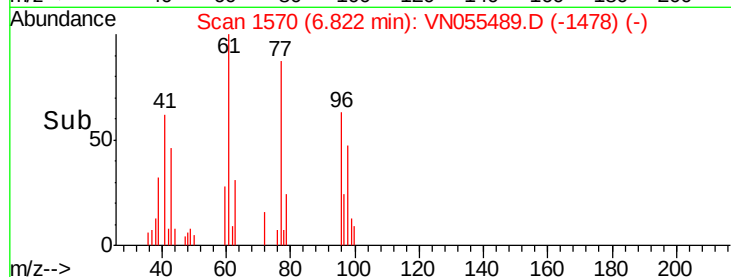
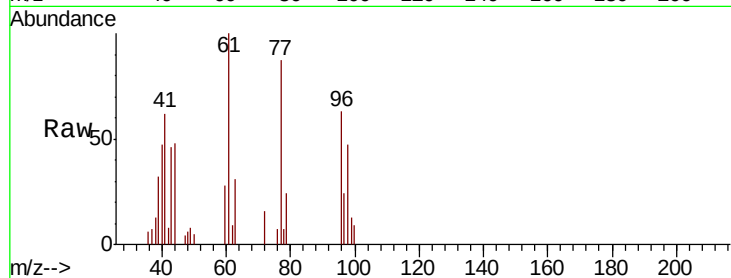
Time-->



#26
 2,2-Dichloropropane
 Concen: 0.889 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

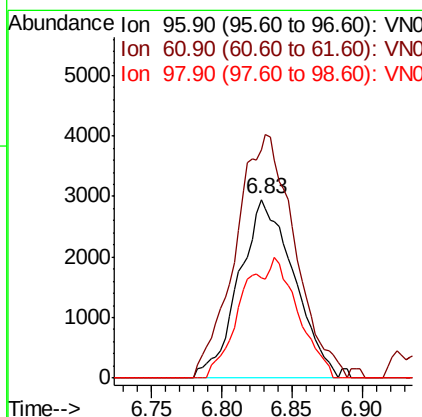
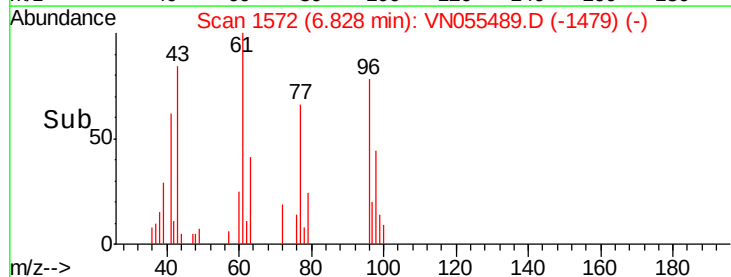
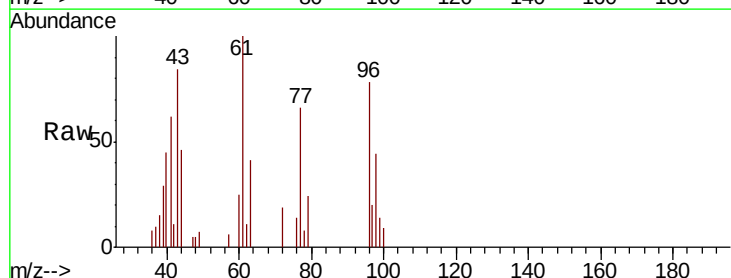
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

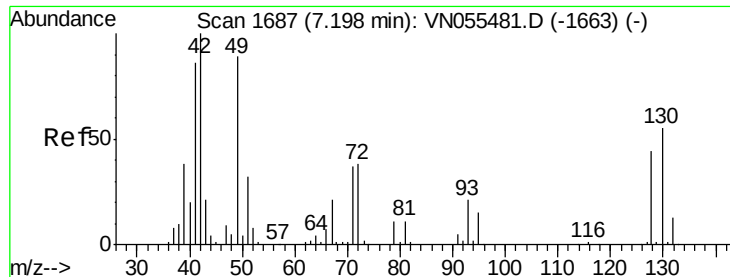
Tot Ion: 77 Resp: 9212
 Ion Ratio Lower Upper
 77 100
 97 17.9 11.5 34.5



#27
 cis-1,2-Dichloroethene
 Concen: 0.862 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

Tgt Ion: 96 Resp: 7994
 Ion Ratio Lower Upper
 96 100
 61 147.4 0.0 310.8
 98 33.2 0.0 129.4

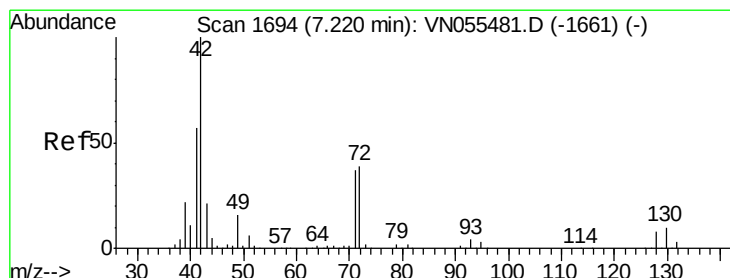
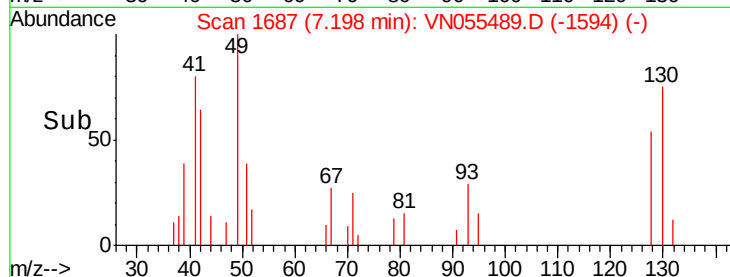
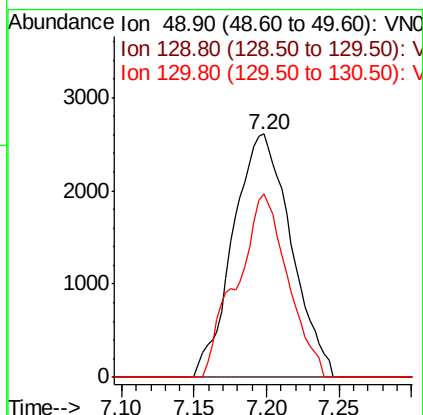
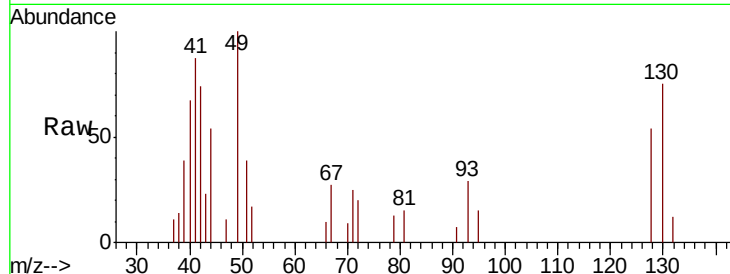




#28
Bromochloromethane
Concen: 0.838 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

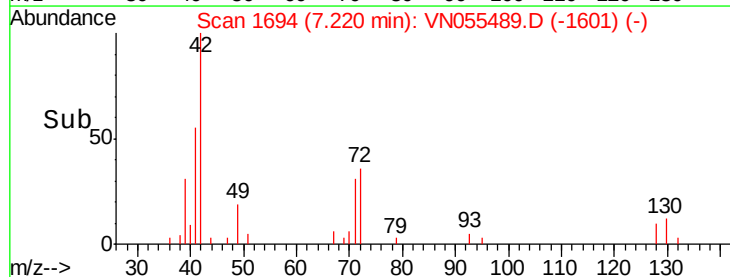
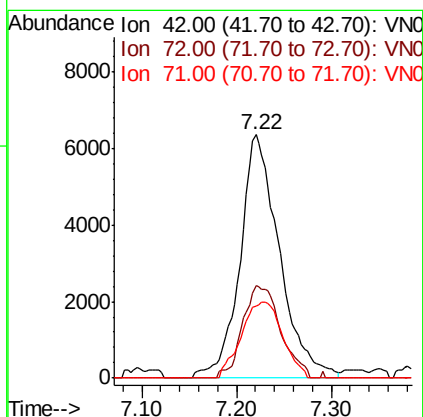
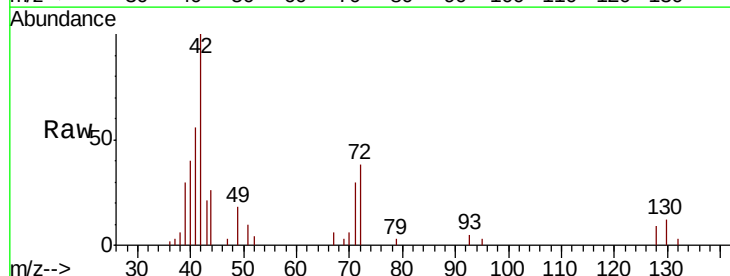
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

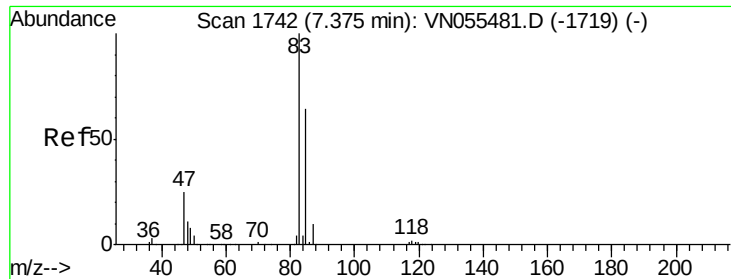
Tot Ion: 49 Resp: 7238
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.2
130 66.4 49.5 74.3



#29
Tetrahydrofuran
Concen: 4.283 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

Tgt Ion: 42 Resp: 18461
Ion Ratio Lower Upper
42 100
72 36.6 31.0 46.6
71 32.5 29.4 44.2

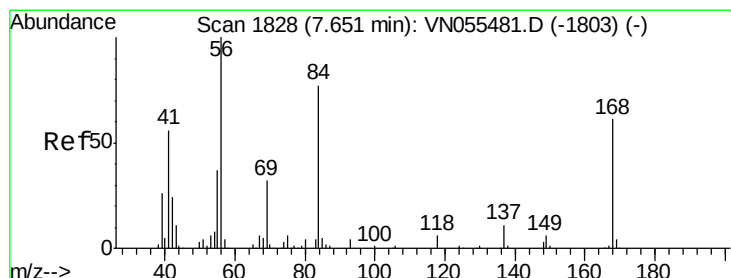
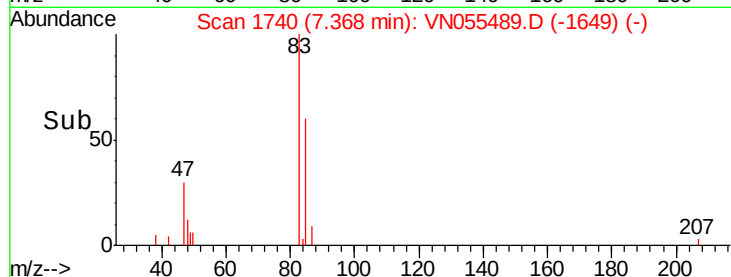
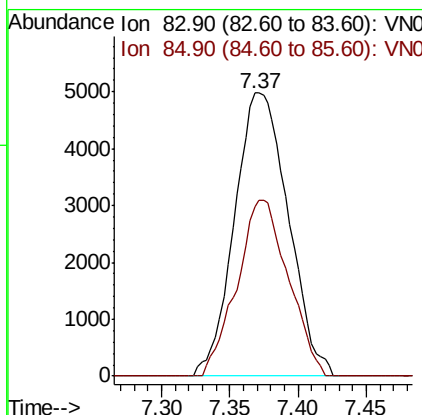
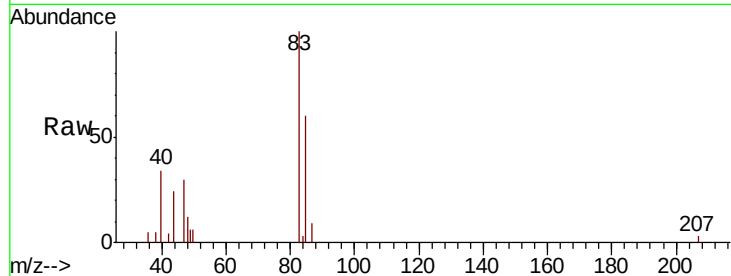




#30
Chloroform
Concen: 0.886 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

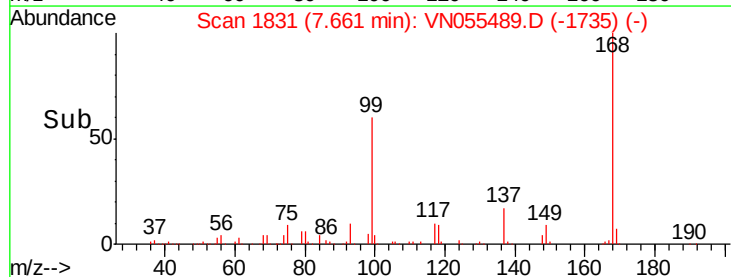
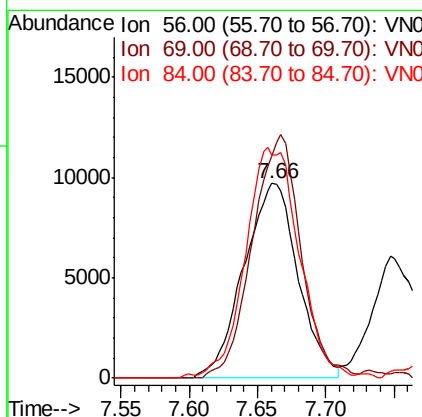
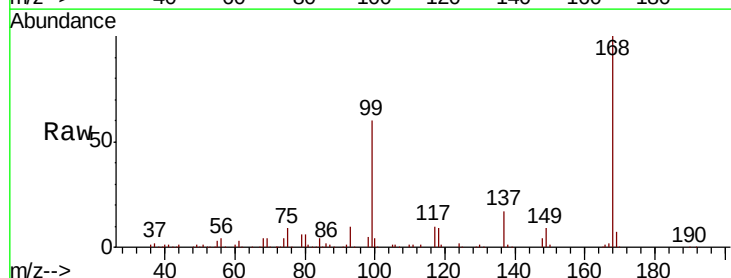
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

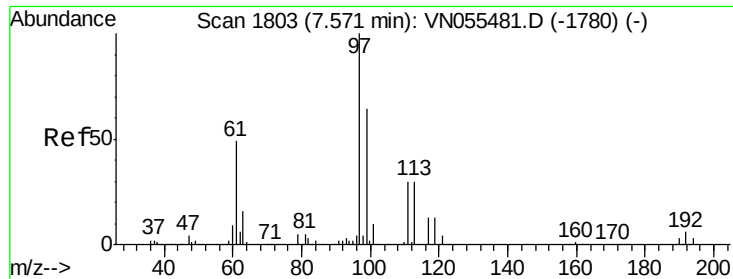
Tot Ion: 83 Resp: 13626
Ion Ratio Lower Upper
83 100
85 60.0 51.3 76.9



#31
Cyclohexane
Concen: 1.631 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

Tgt Ion: 56 Resp: 26834
Ion Ratio Lower Upper
56 100
69 114.2 26.0 39.0#
84 112.9 61.9 92.9#

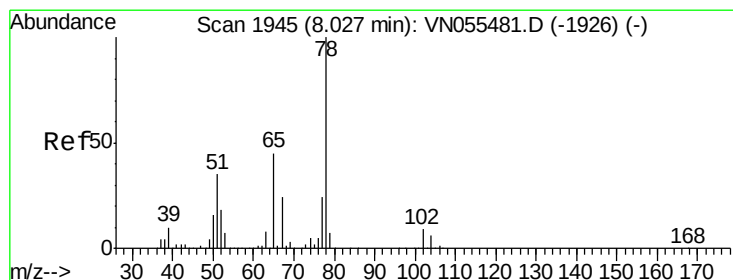
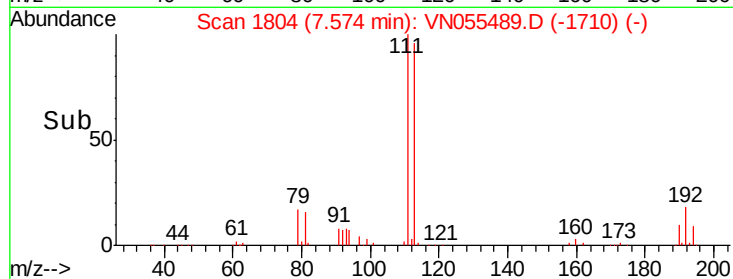
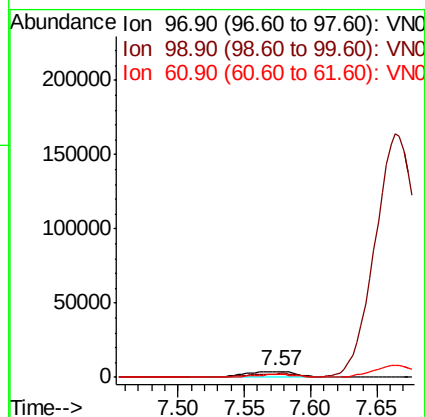
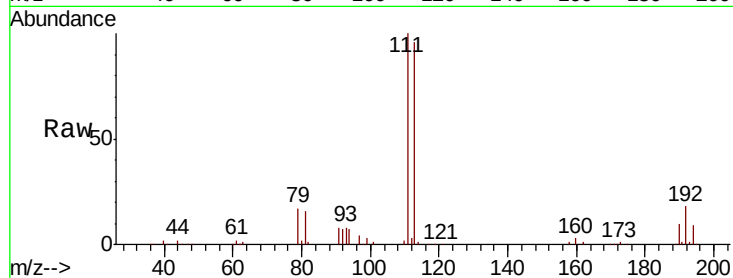




#32
 1,1,1-Trichloroethane
 Concen: 0.944 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

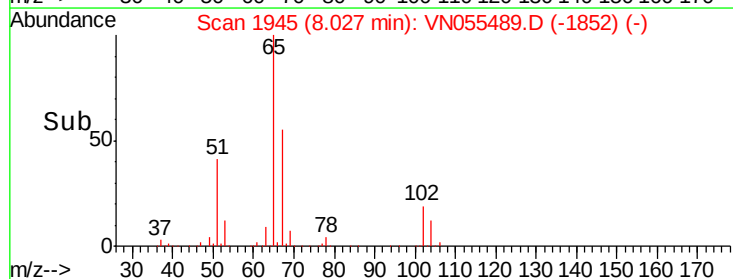
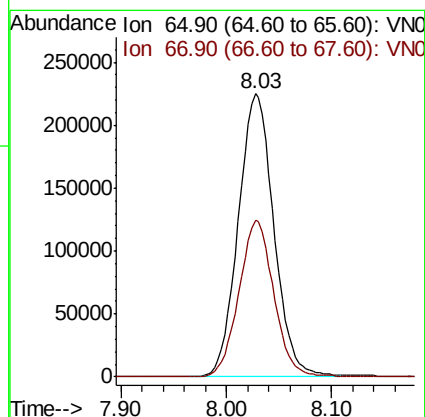
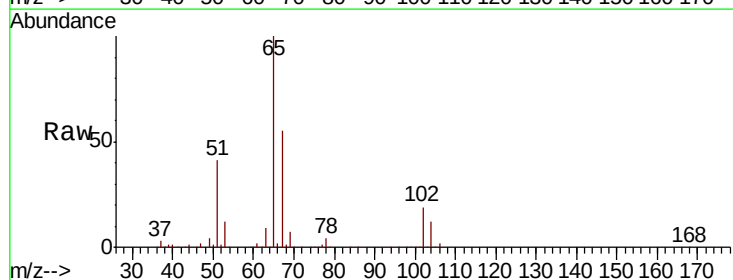
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

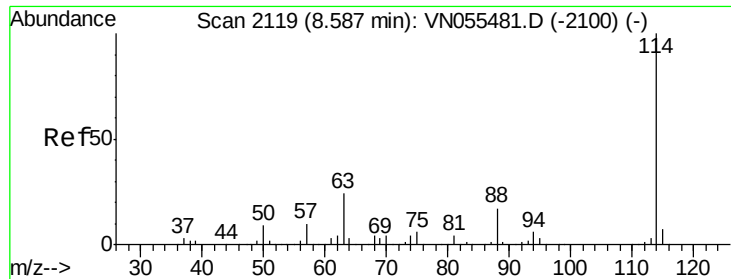
Tot Ion: 97 Resp: 11050
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.2 76.8#
 61 43.0 39.2 58.8



#33
 1,2-Dichloroethane-d4
 Concen: 51.765 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

Tgt Ion: 65 Resp: 527723
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 109.6

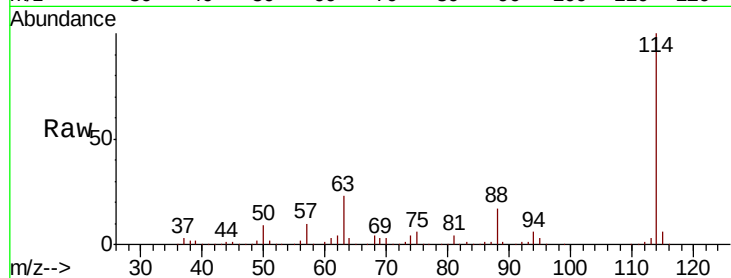




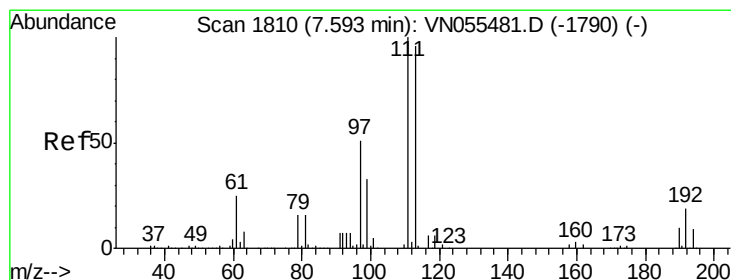
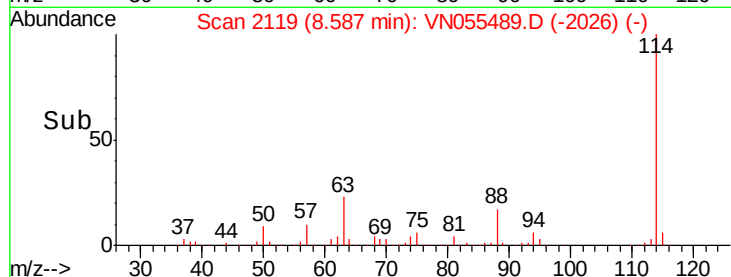
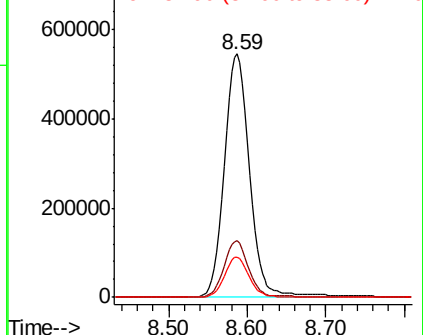
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion:114 Resp: 1209792
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 47.4
 88 16.5 0.0 34.0

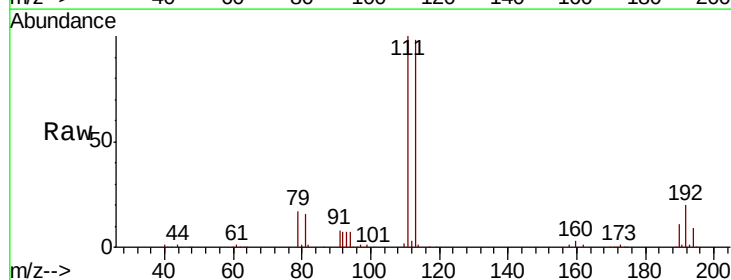


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

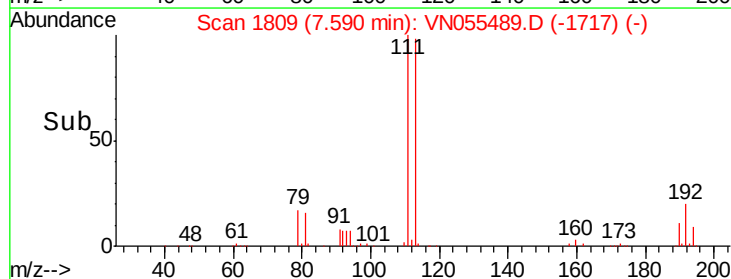
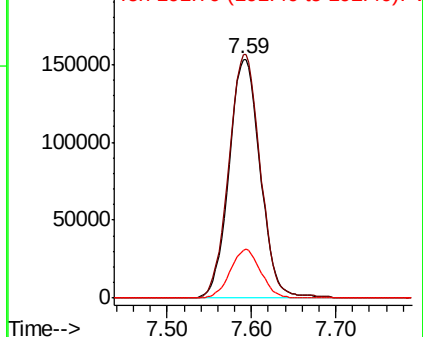


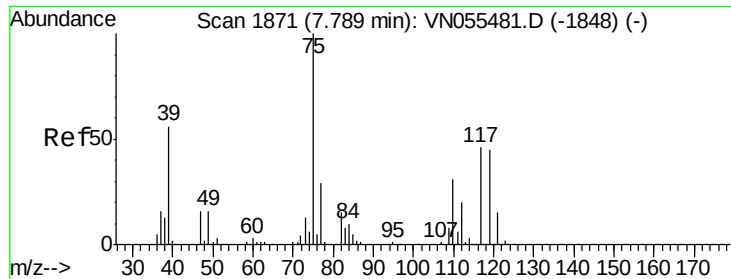
#35
 Dibromofluoromethane
 Concen: 50.610 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

Tgt Ion:113 Resp: 394970
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.9 124.3
 192 19.9 15.6 23.4



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

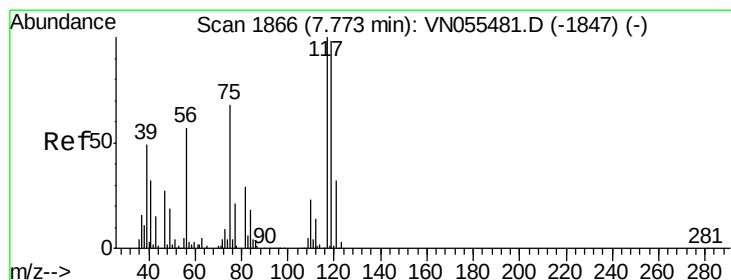
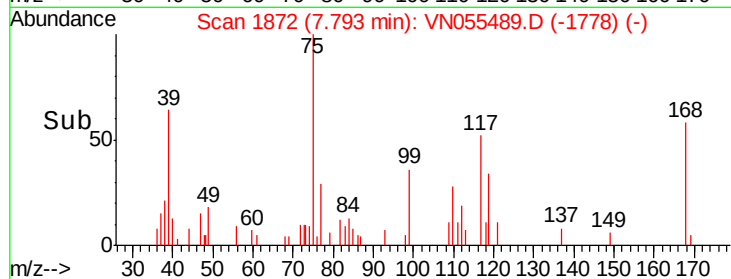
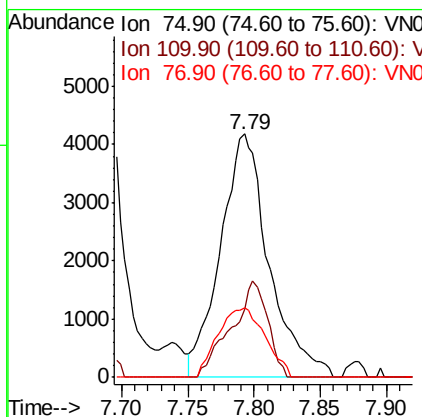
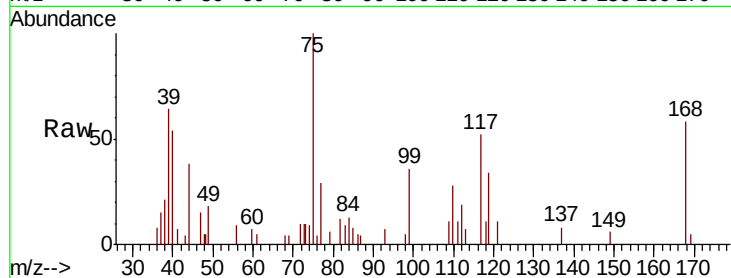




#36
 1,1-Dichloropropene
 Concen: 0.892 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

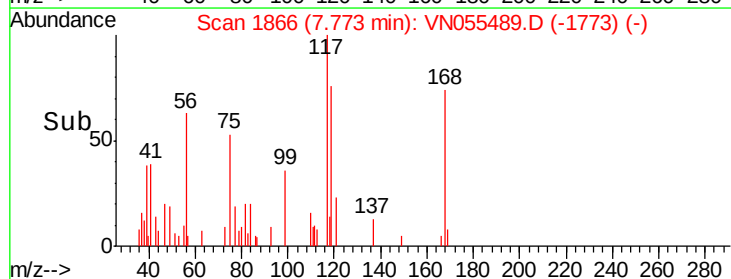
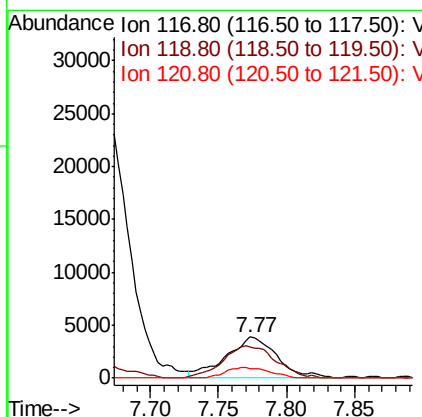
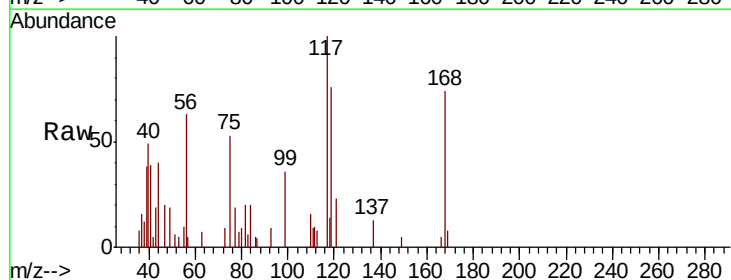
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

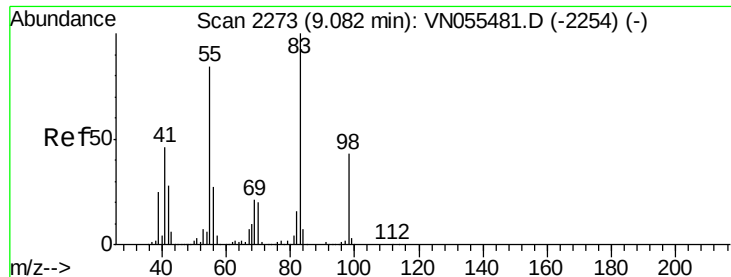
Tot Ion: 75 Resp: 10635
 Ion Ratio Lower Upper
 75 100
 110 29.5 16.1 48.3
 77 27.6 24.6 37.0



#38
 Carbon Tetrachloride
 Concen: 1.007 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

Tgt Ion: 117 Resp: 10104
 Ion Ratio Lower Upper
 117 100
 119 76.0 77.8 116.6#
 121 23.2 25.2 37.8#

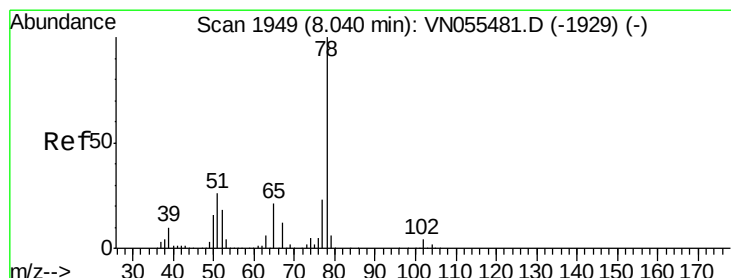
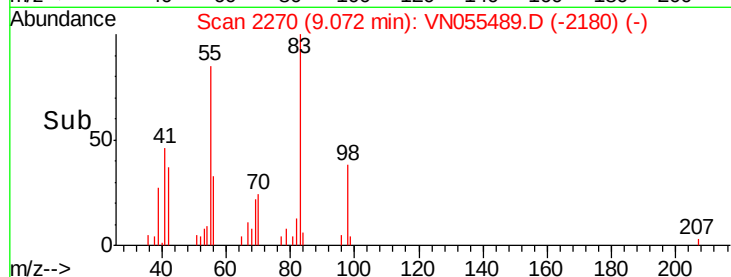
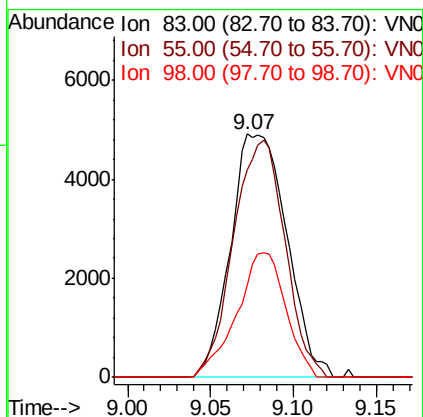
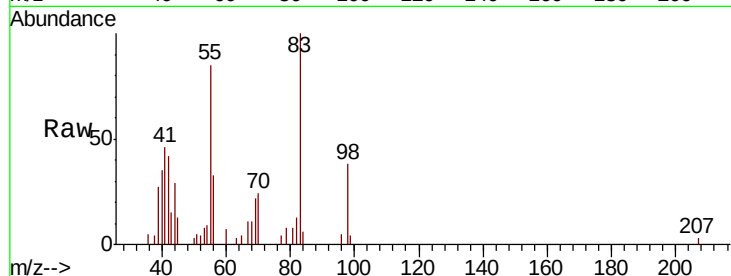




#39
Methylvlcyclohexane
Concen: 0.796 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. -0.01 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

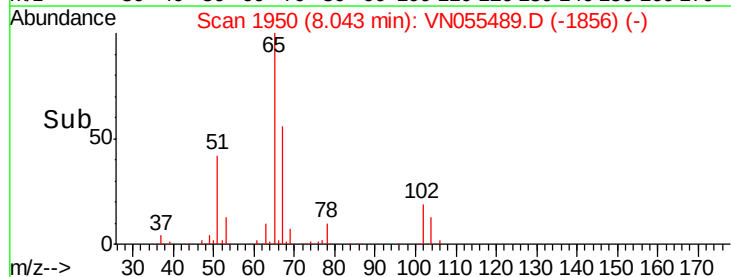
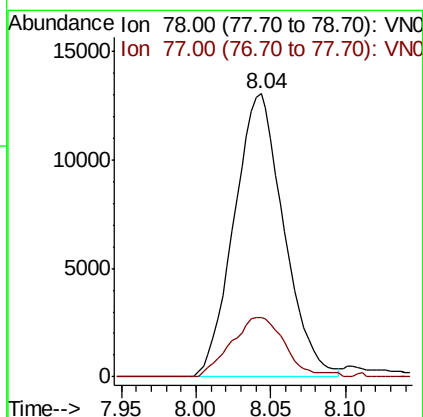
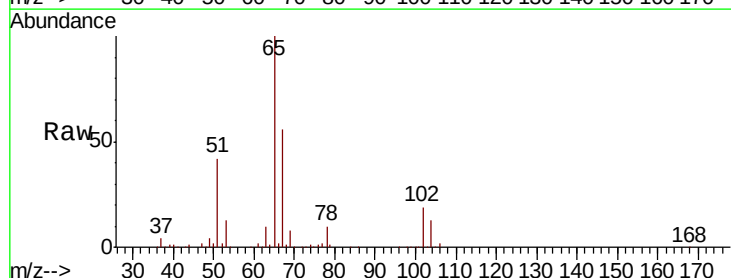
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

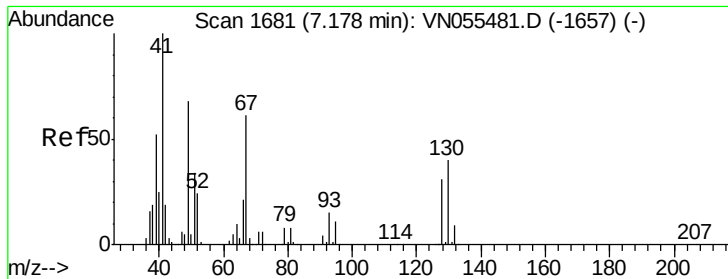
Tot Ion: 83 Resp: 11572
Ion Ratio Lower Upper
83 100
55 85.2 67.0 100.4
98 37.9 34.2 51.4



#40
Benzene
Concen: 0.815 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

Tgt Ion: 78 Resp: 30153
Ion Ratio Lower Upper
78 100
77 21.0 18.6 27.8

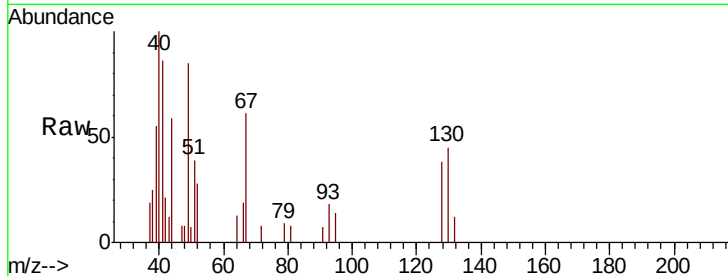




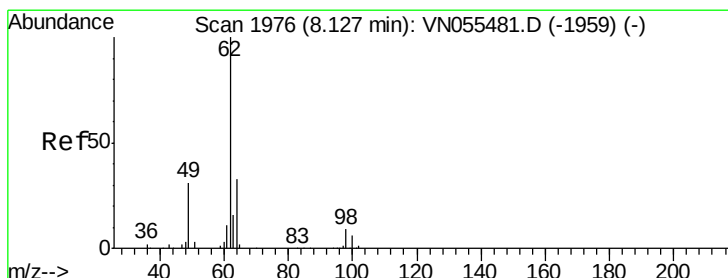
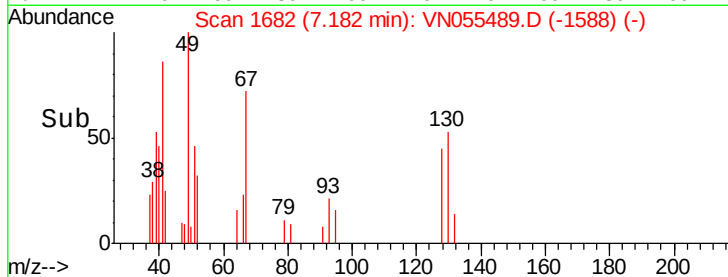
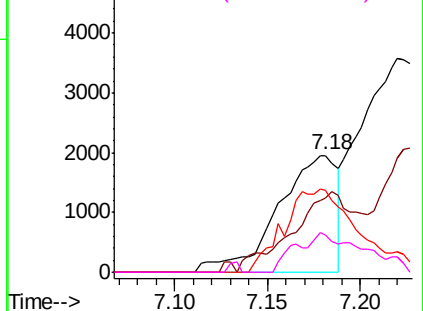
#41
Methacrylonitrile
Concen: 0.715 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 41 Resp: 4313
Ion Ratio Lower Upper
41 100
39 77.1 44.7 67.1#
67 91.5 61.4 92.0
52 31.0 25.0 37.4

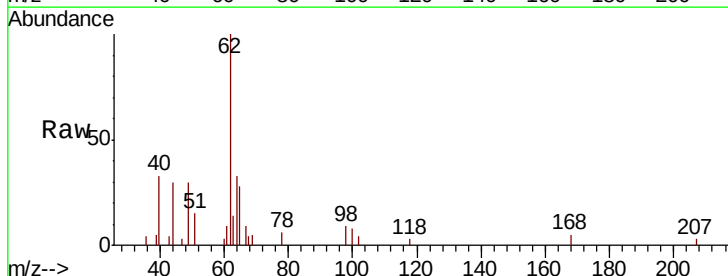


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

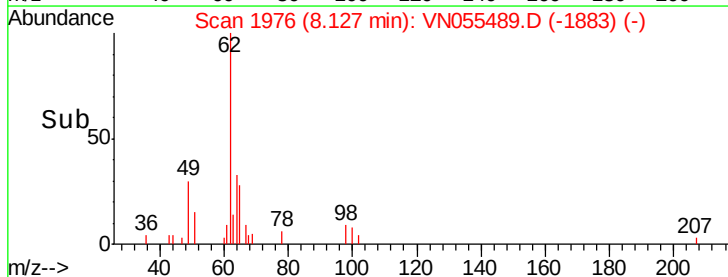
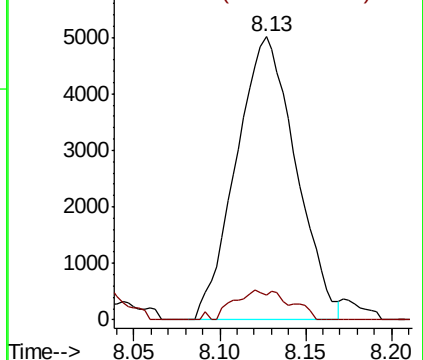


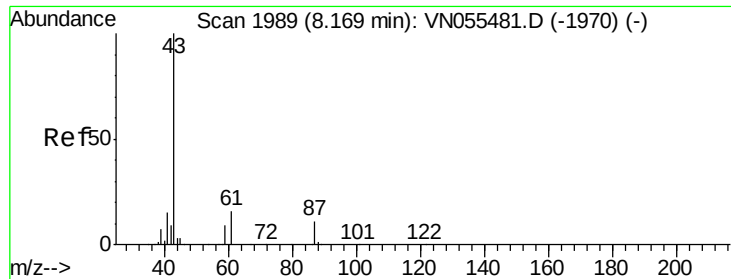
#42
1,2-Dichloroethane
Concen: 0.928 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

Tgt Ion: 62 Resp: 12058
Ion Ratio Lower Upper
62 100
98 9.6 0.0 17.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 0.779 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

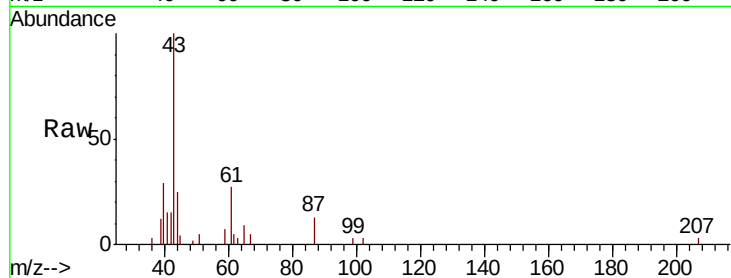
Tot Ion: 43 Resp: 15377

Ion Ratio Lower Upper

43 100

61 22.3 15.1 22.7

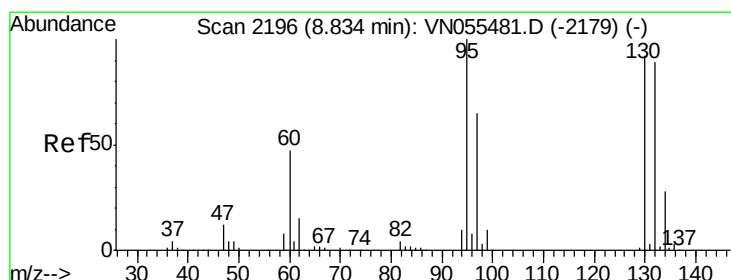
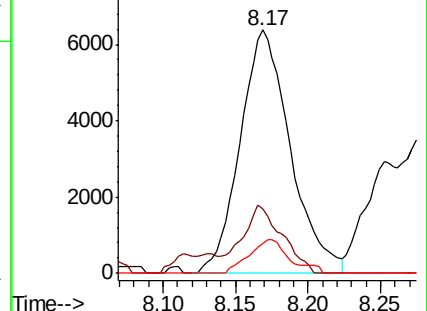
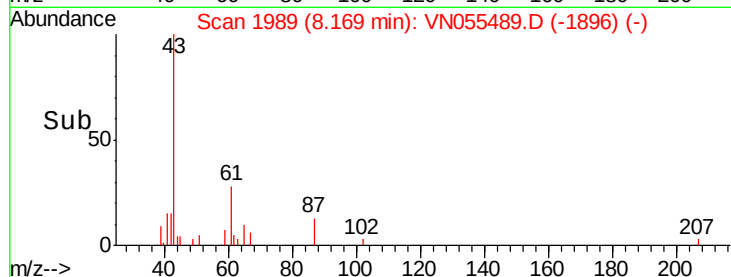
87 11.1 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VN055489.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055489.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055489.D (-1970) (-)



#44

Trichloroethene

Concen: 0.901 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055489.D

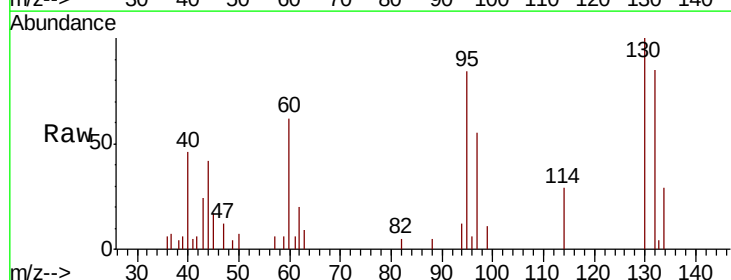
Acq: 9 May 2019 11:53

Tgt Ion:130 Resp: 7928

Ion Ratio Lower Upper

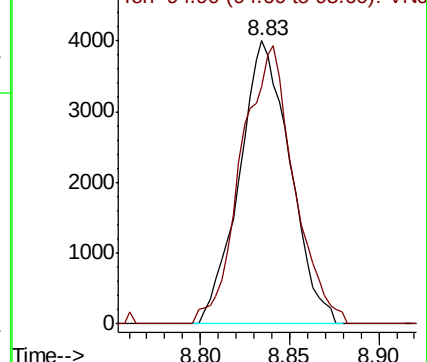
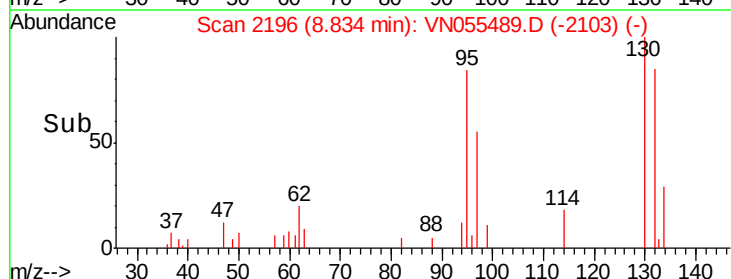
130 100

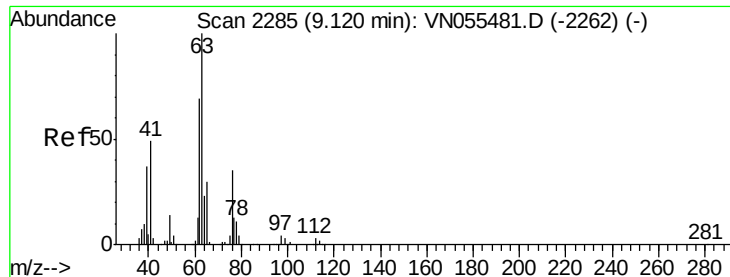
95 83.9 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): VN055489.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055489.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 0.803 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

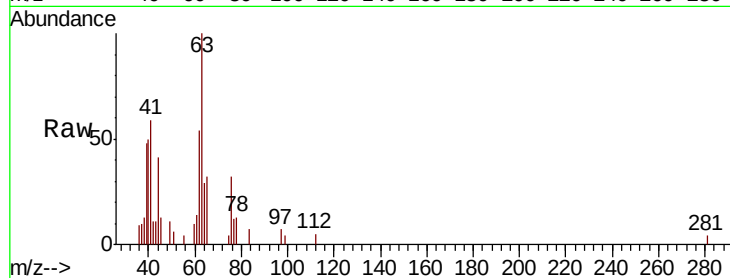
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 63 Resp: 8499

Ion Ratio Lower Upper

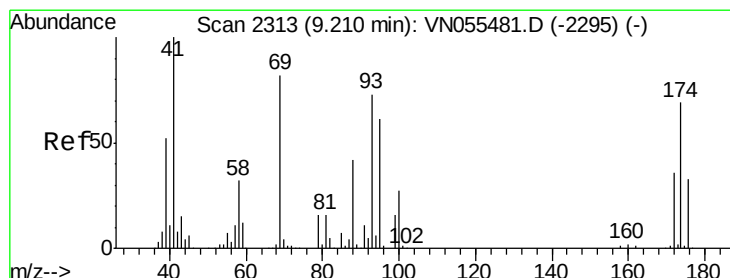
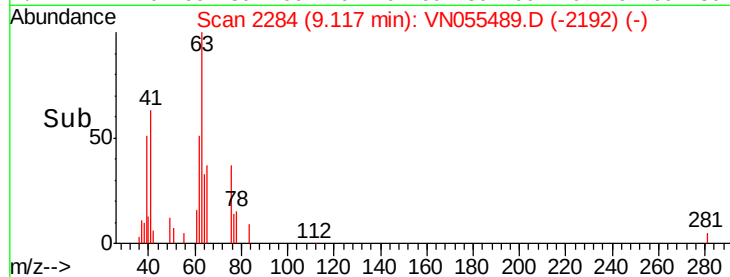
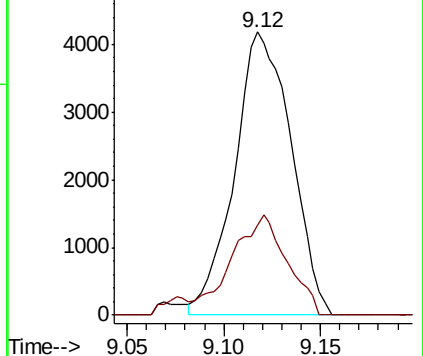
63 100

65 32.0 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 0.814 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

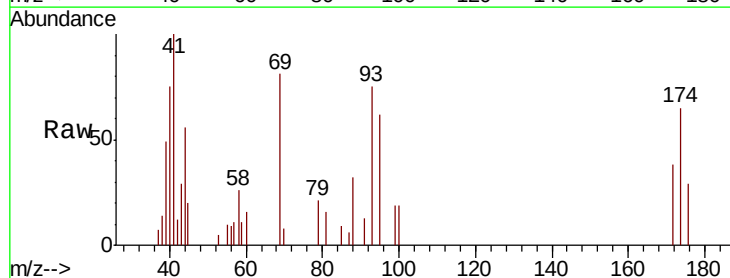
Tgt Ion: 93 Resp: 4994

Ion Ratio Lower Upper

93 100

95 84.0 64.8 97.2

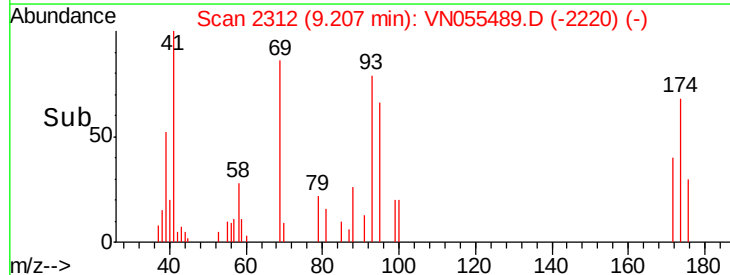
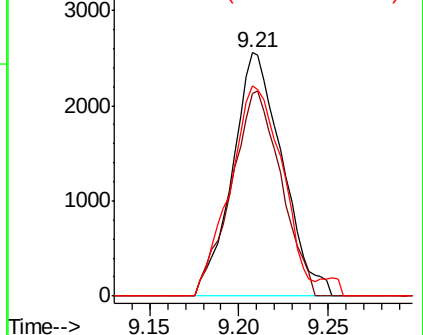
174 90.6 75.0 112.6

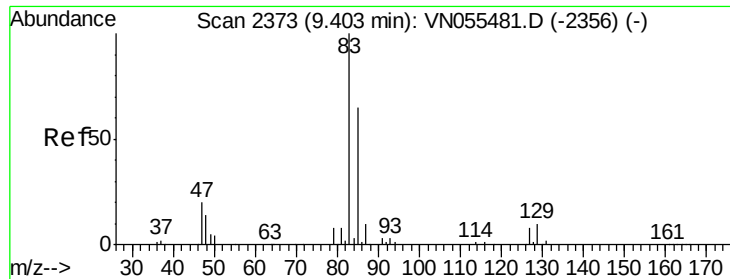


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 0.815 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

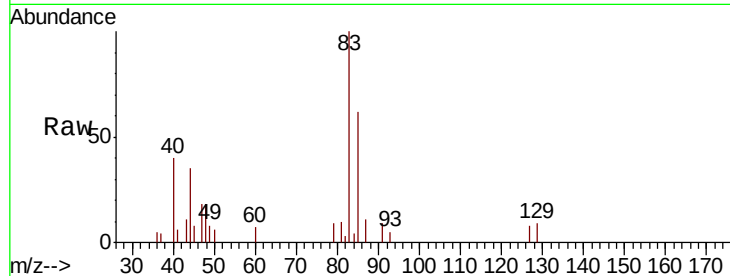
Tot Ion: 83 Resp: 9568

Ion Ratio Lower Upper

83 100

85 59.1 52.2 78.2

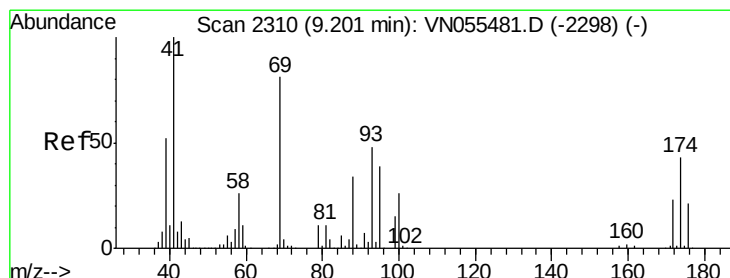
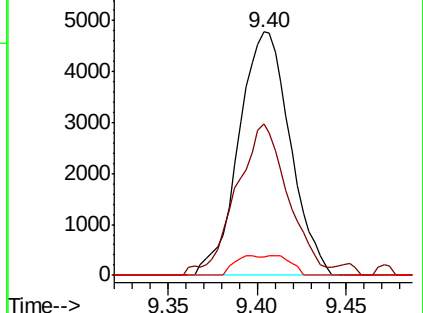
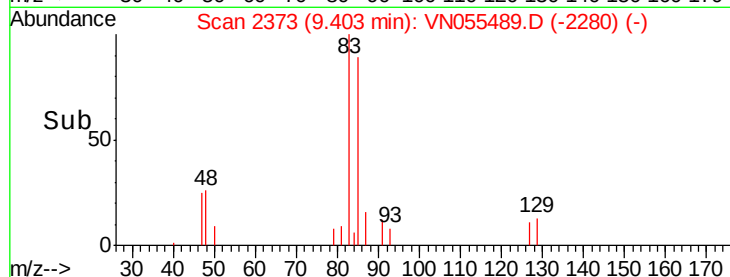
127 7.8 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN055489.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055489.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055489.D (-2280) (-)



#48

Methyl methacrylate

Concen: 0.854 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.01 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

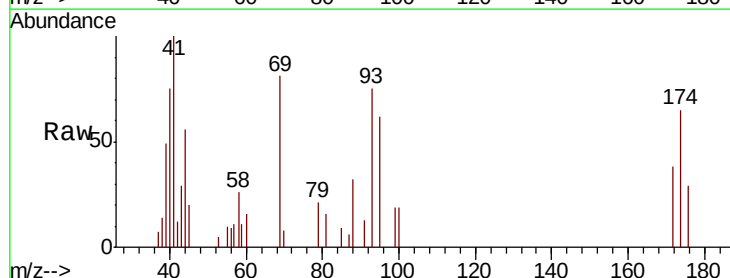
Tgt Ion: 41 Resp: 8126

Ion Ratio Lower Upper

41 100

69 64.6 64.2 96.2

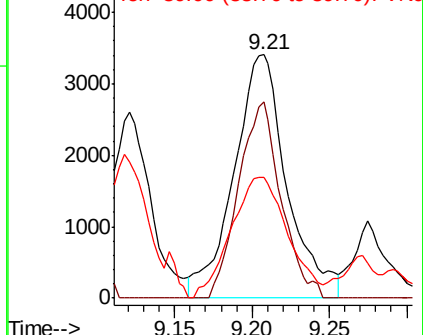
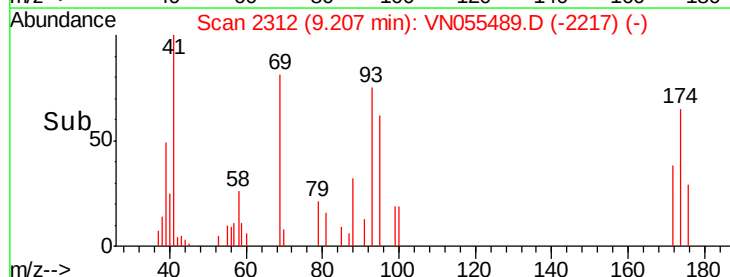
39 53.1 41.6 62.4

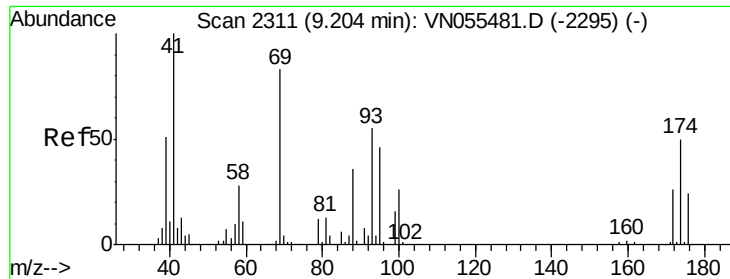


Abundance Ion 41.00 (40.70 to 41.70): VN055489.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055489.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055489.D (-2217) (-)

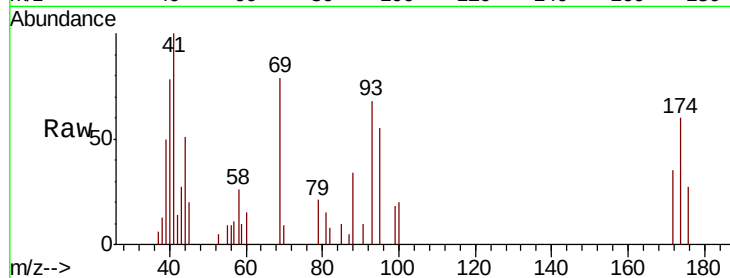




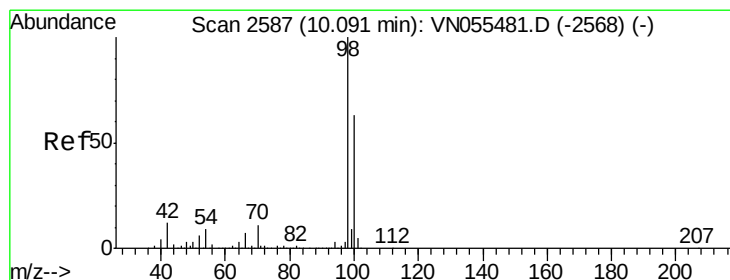
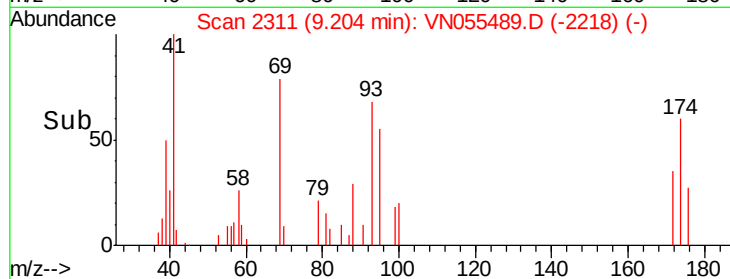
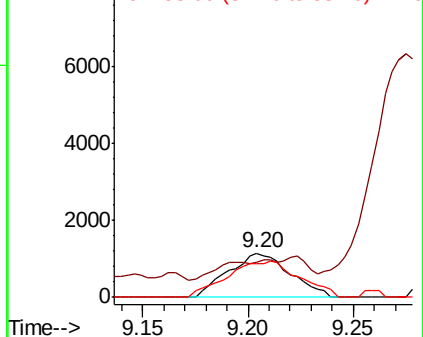
#49
1,4-Dioxane
Concen: 12.643 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 88 Resp: 2345
Ion Ratio Lower Upper
88 100
43 23.4 27.8 41.8#
58 95.9 61.8 92.6#

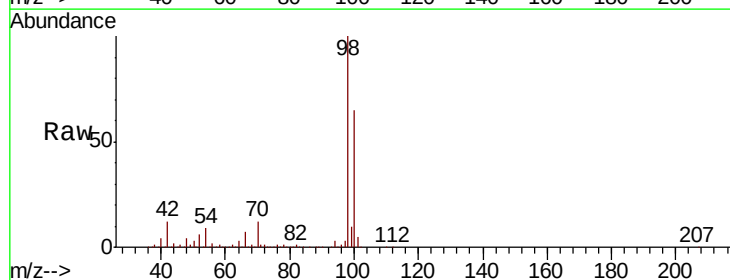


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

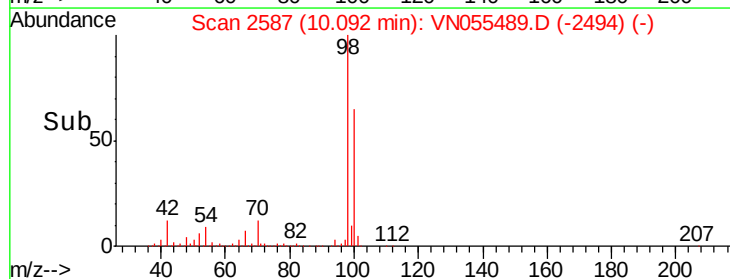
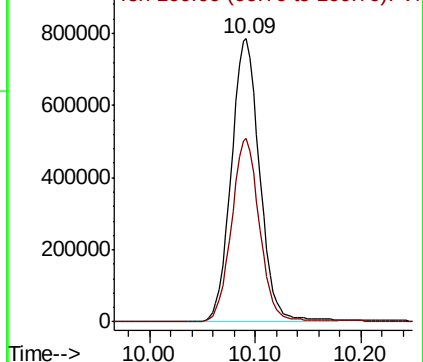


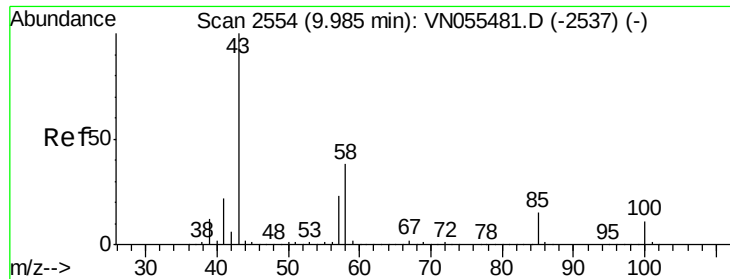
#50
Toluene-d8
Concen: 48.192 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

Tgt Ion: 98 Resp: 1465622
Ion Ratio Lower Upper
98 100
100 63.8 50.4 75.6



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





#51

4-Methyl-2-Pentanone

Concen: 3.466 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

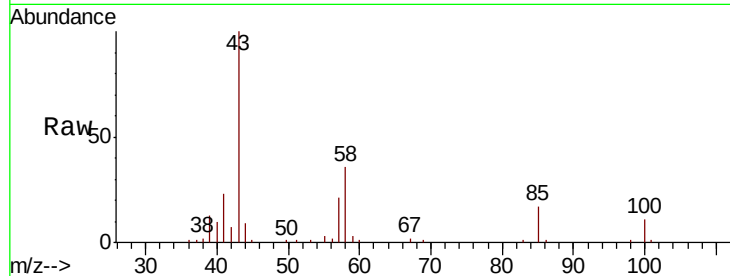
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 43 Resp: 45020

Ion Ratio Lower Upper

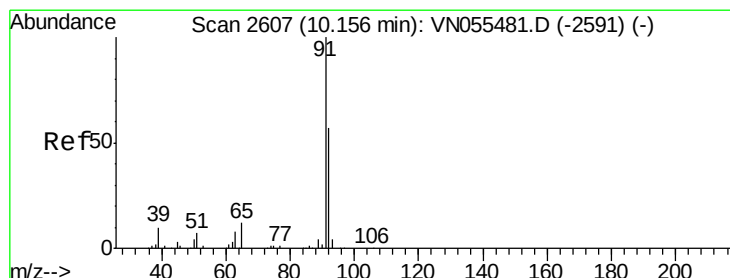
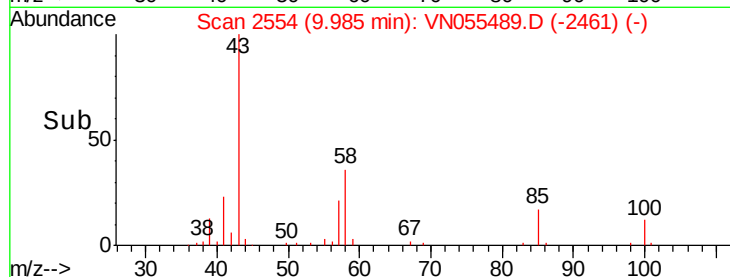
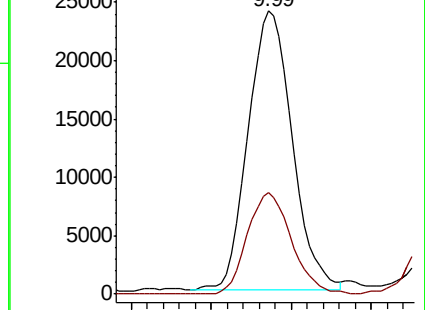
43 100

58 36.4 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN055481.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055481.D (-2537) (-)



#52

Toluene

Concen: 0.829 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055489.D

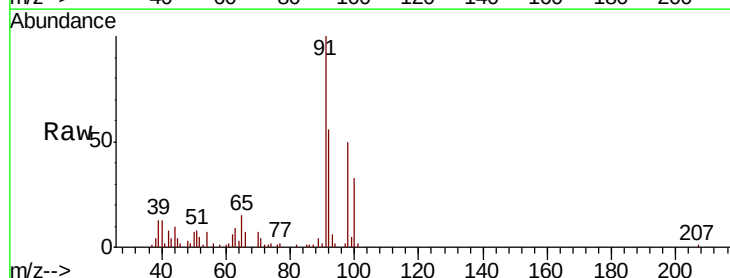
Acq: 9 May 2019 11:53

Tgt Ion: 92 Resp: 17528

Ion Ratio Lower Upper

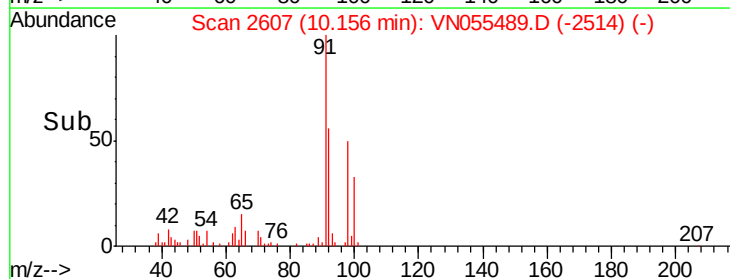
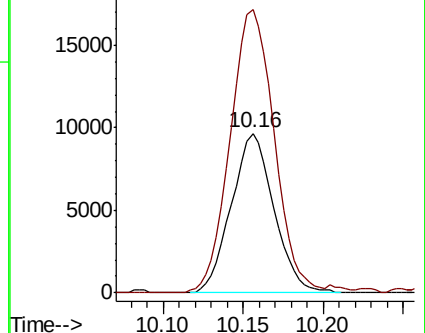
92 100

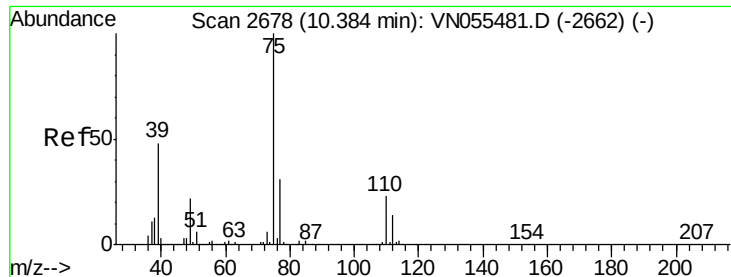
91 183.5 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VN055481.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055481.D (-2591) (-)





#53

t-1,3-Dichloropropene

Concen: 0.767 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

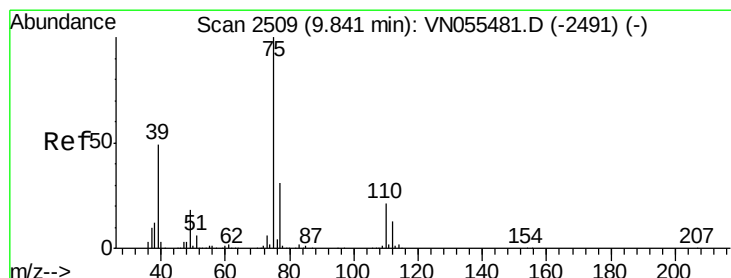
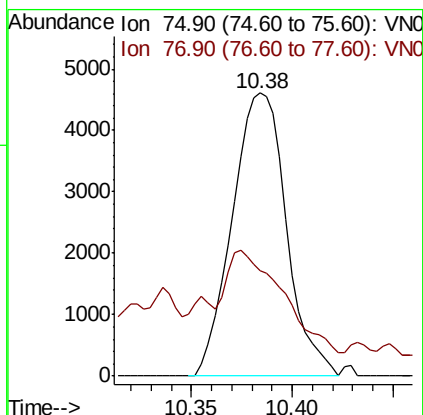
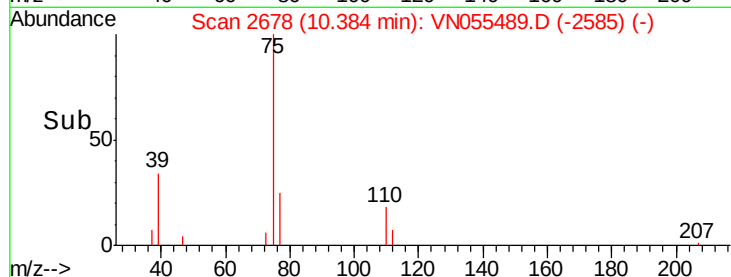
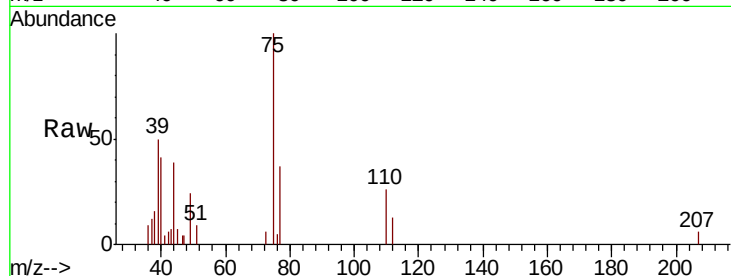
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 75 Resp: 8646

Ion Ratio Lower Upper

75 100

77 29.2 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 0.743 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

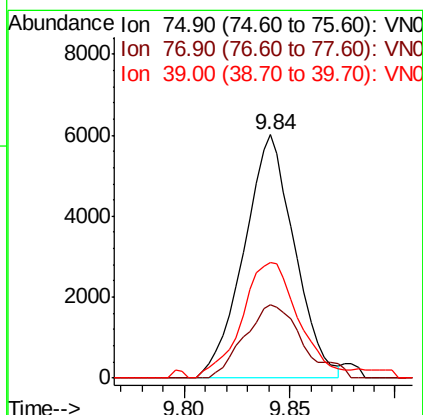
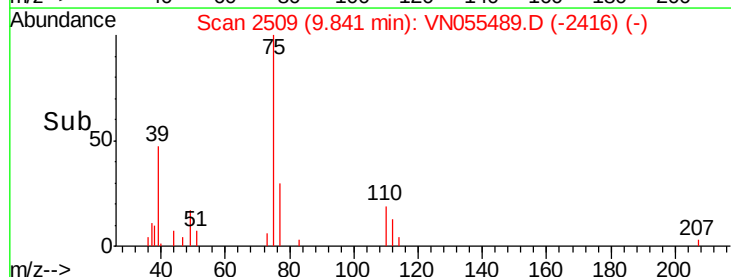
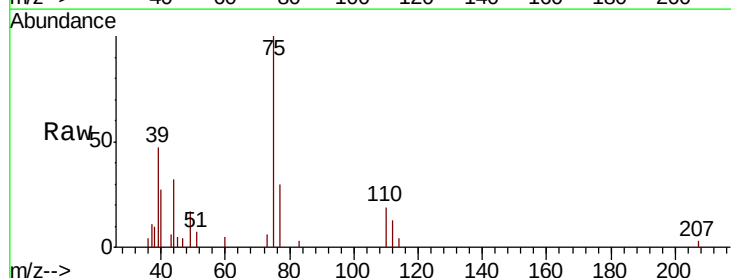
Tgt Ion: 75 Resp: 10013

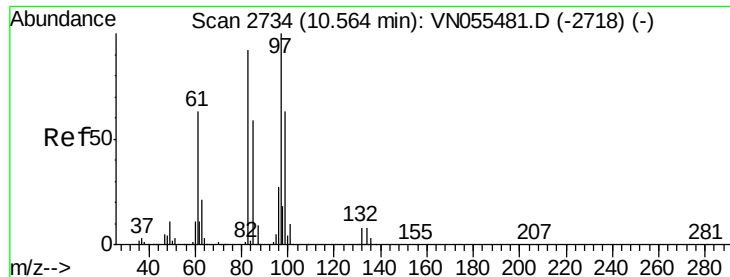
Ion Ratio Lower Upper

75 100

77 30.1 24.4 36.6

39 47.4 39.5 59.3

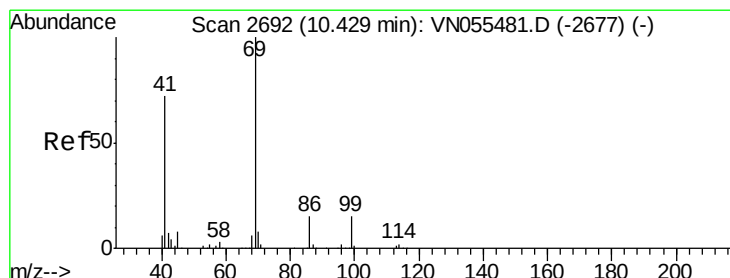
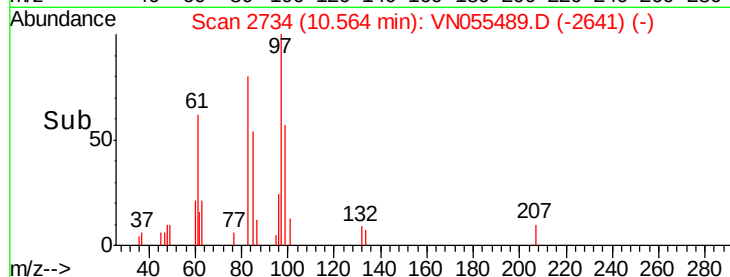
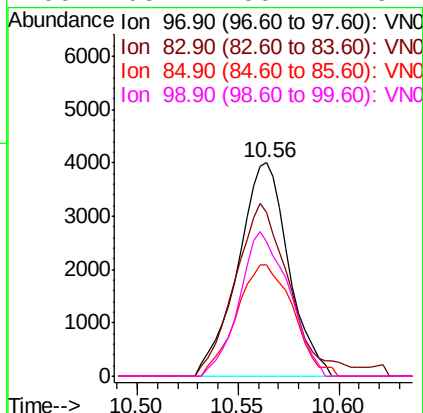
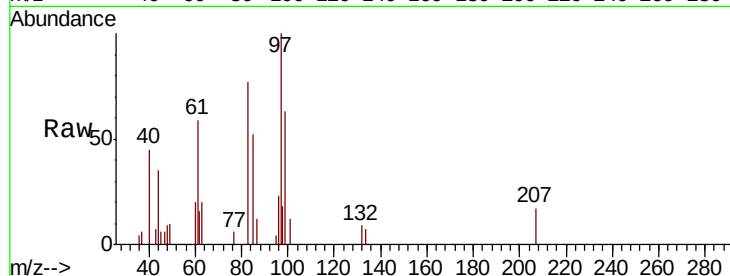




#55
 1,1,2-Trichloroethane
 Concen: 0.818 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

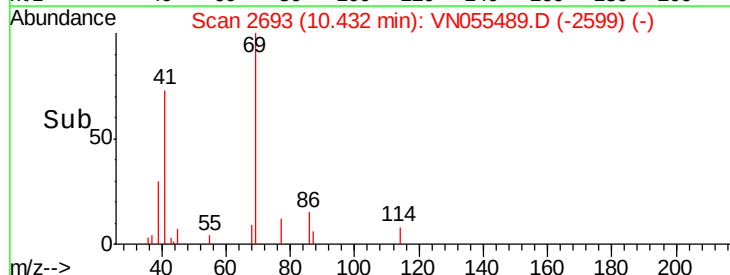
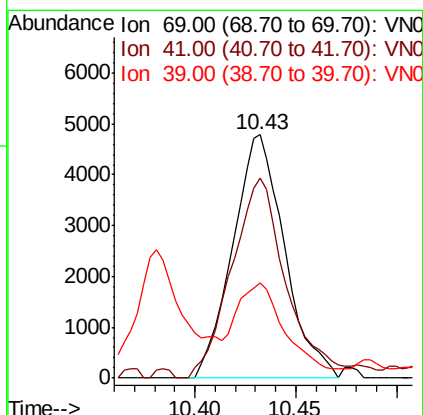
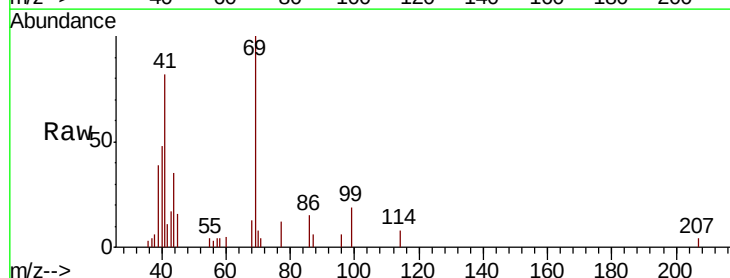
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

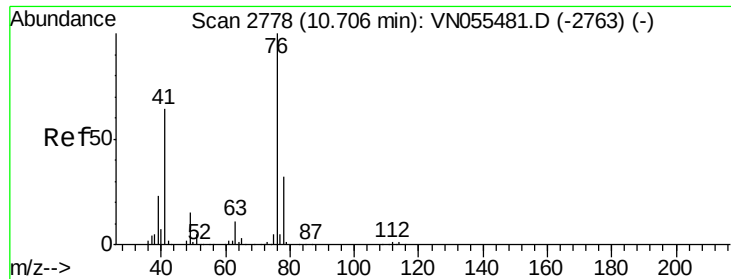
Tot Ion: 97 Resp: 7012
 Ion Ratio Lower Upper
 97 100
 83 76.7 73.2 109.8
 85 52.2 47.5 71.3
 99 63.2 50.2 75.2



#56
 Ethyl methacrylate
 Concen: 0.672 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

Tgt Ion: 69 Resp: 8566
 Ion Ratio Lower Upper
 69 100
 41 89.2 56.2 84.2#
 39 34.3 27.8 41.6





#57

1,3-Dichloropropane

Concen: 0.781 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

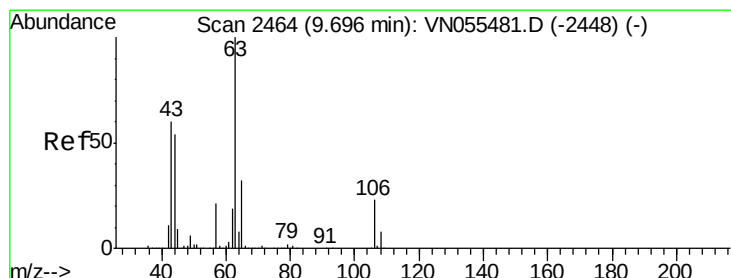
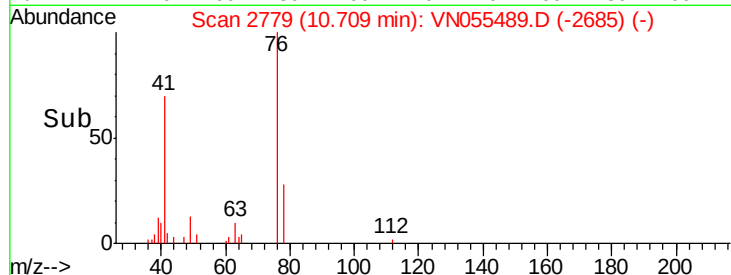
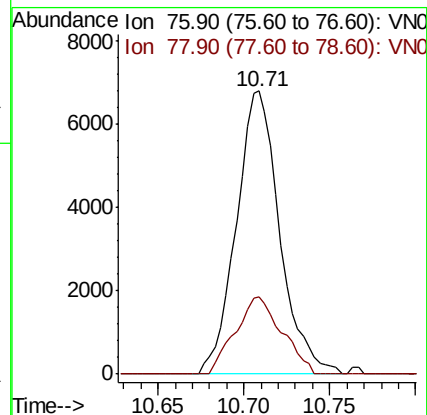
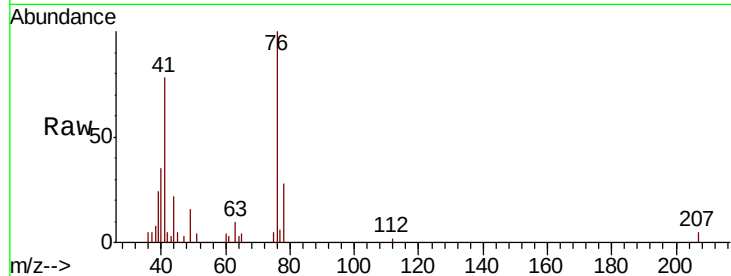
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 76 Resp: 11887

Ion Ratio Lower Upper

76 100

78 29.3 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 12.554 ug/l

RT: 9.71 min Scan# 2468

Delta R.T. 0.01 min

Lab File: VN055489.D

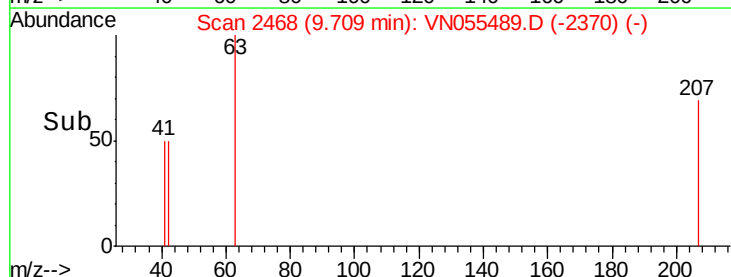
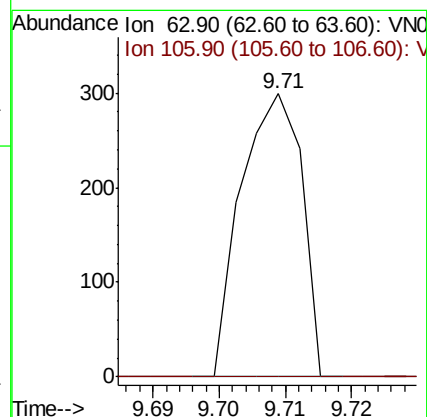
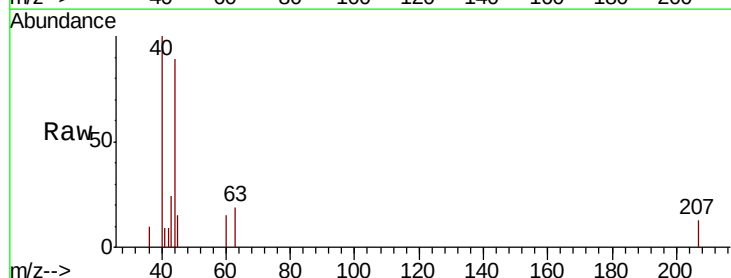
Acq: 9 May 2019 11:53

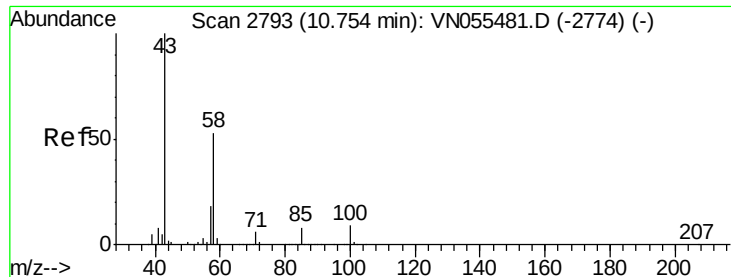
Tgt Ion: 63 Resp: 190

Ion Ratio Lower Upper

63 100

106 0.0 18.6 27.8#

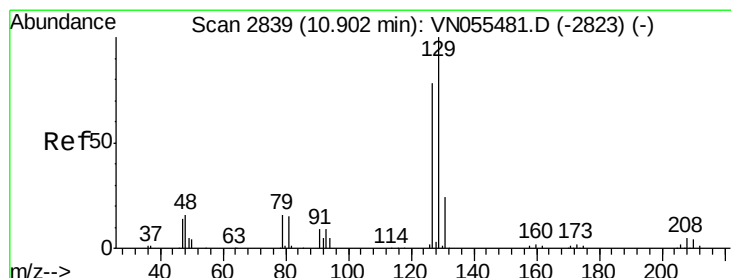
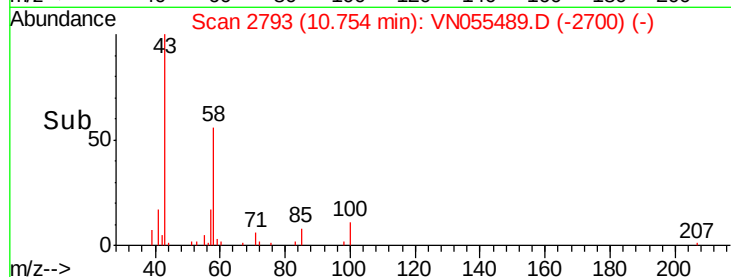
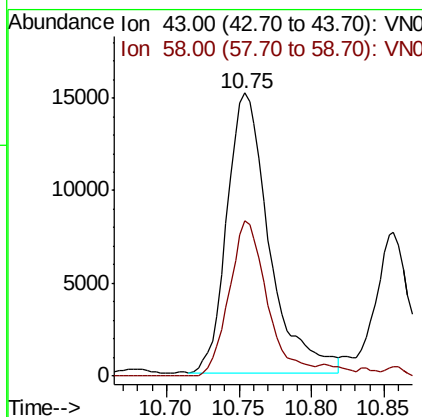
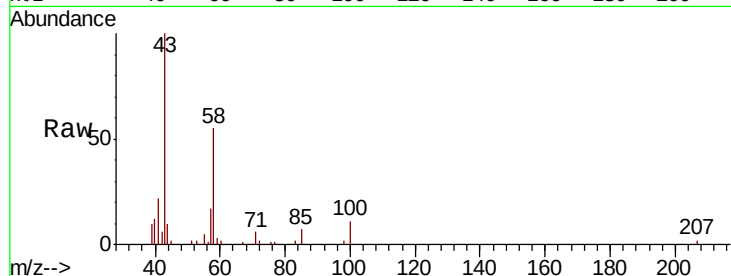




#59
2-Hexanone
Concen: 3.360 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

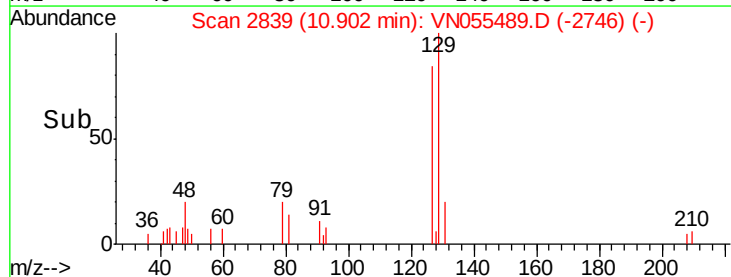
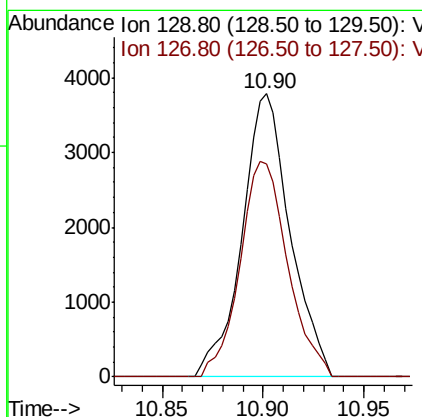
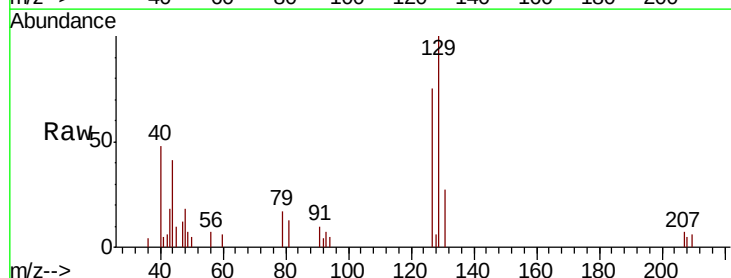
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

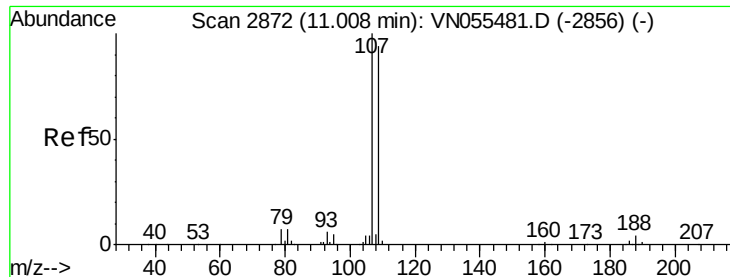
Tot Ion: 43 Resp: 30614
Ion Ratio Lower Upper
43 100
58 49.8 26.4 79.0



#60
Dibromochloromethane
Concen: 0.806 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

Tgt Ion: 129 Resp: 6280
Ion Ratio Lower Upper
129 100
127 76.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 0.732 ug/l

RT: 11.01 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

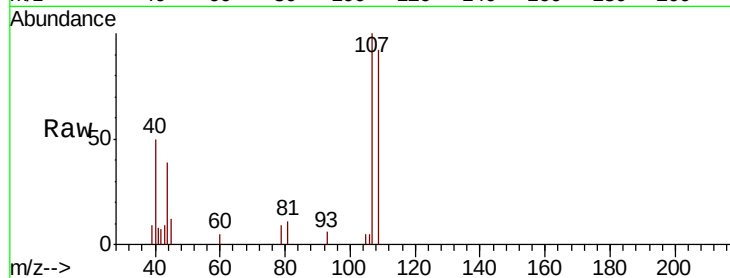
LOD-MDL-WATER-01-QT2-2019

Tot Ion:107 Resp: 6023

Ion Ratio Lower Upper

107 100

109 99.6 74.2 111.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

3000

2000

1000

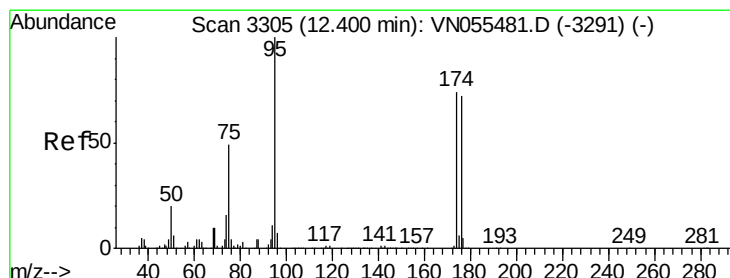
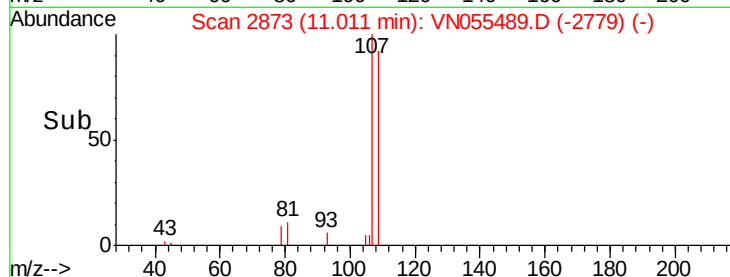
0

Time-->

10.95

11.00

11.05



#62

4-Bromofluorobenzene

Concen: 42.479 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

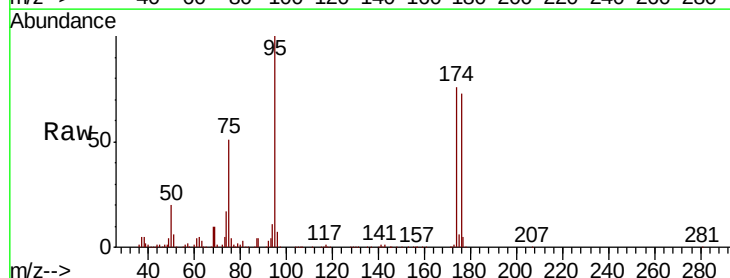
Tgt Ion: 95 Resp: 435595

Ion Ratio Lower Upper

95 100

174 78.5 0.0 152.2

176 74.5 0.0 147.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

300000

200000

100000

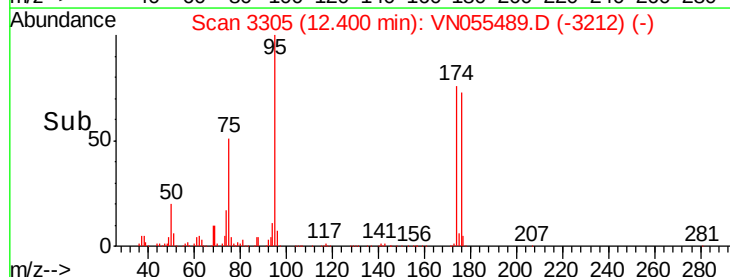
0

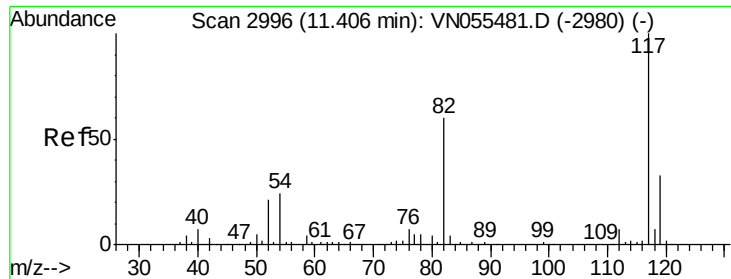
Time-->

12.30

12.40

12.50

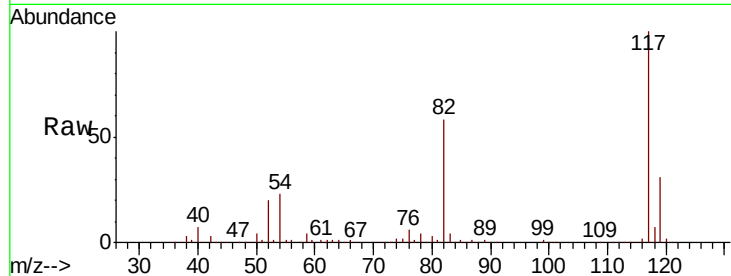




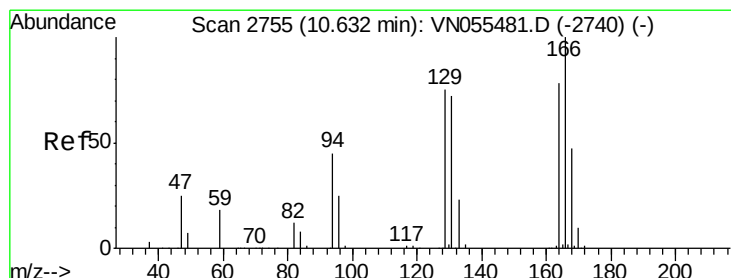
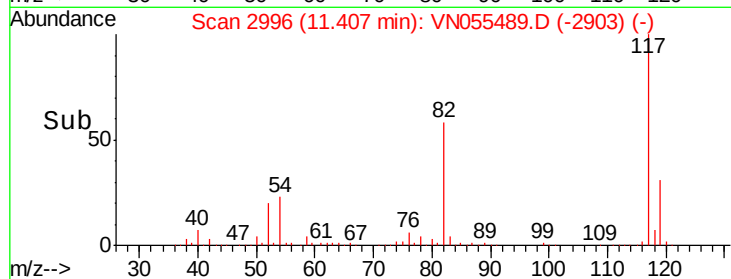
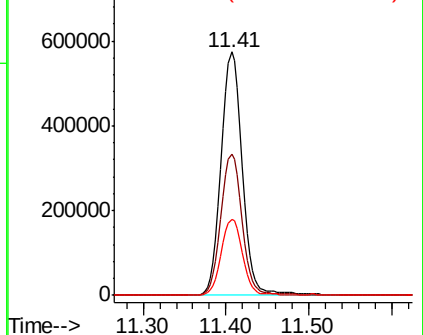
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion:117 Resp: 1015690
Ion Ratio Lower Upper
117 100
82 58.1 48.0 72.0
119 31.4 26.0 39.0

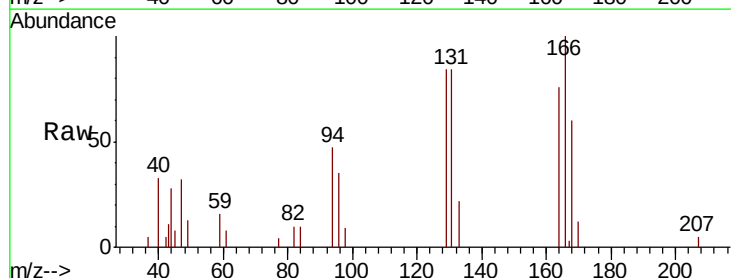


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

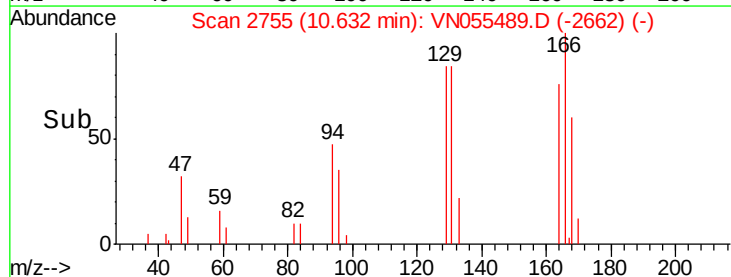
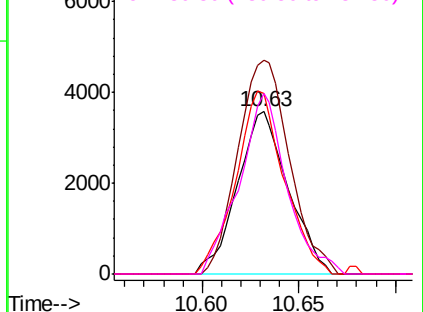


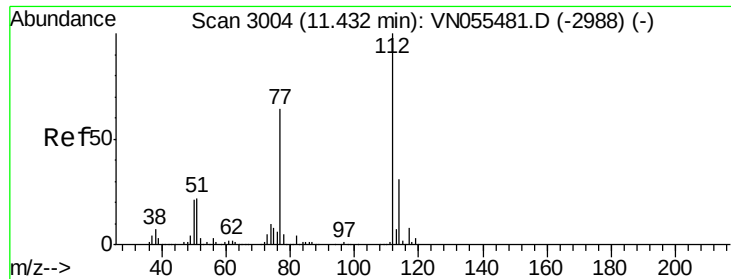
#64
Tetrachloroethene
Concen: 0.786 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

Tgt Ion:164 Resp: 6541
Ion Ratio Lower Upper
164 100
166 131.6 102.6 153.8
129 110.9 77.0 115.6
131 111.1 73.7 110.5#



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

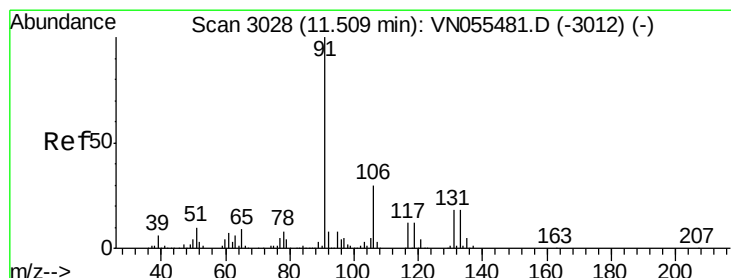
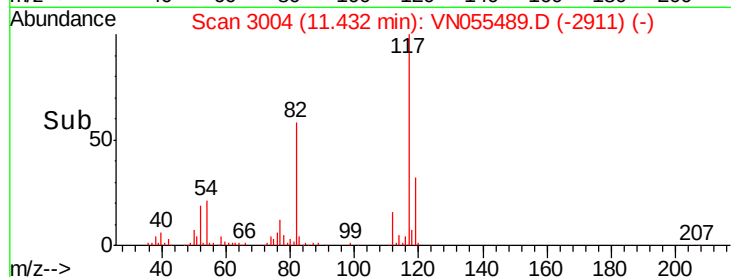
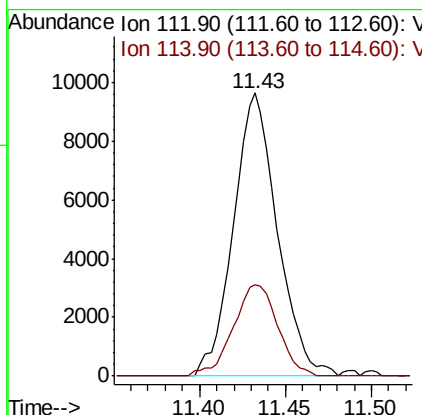
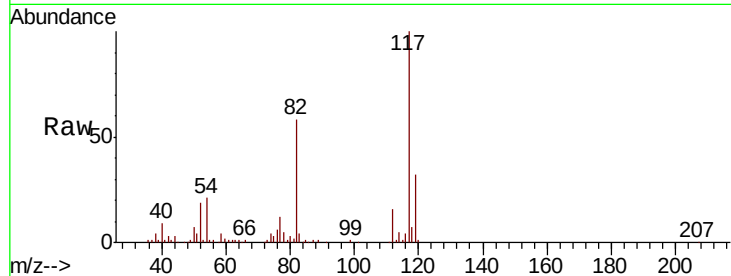




#65
Chlorobenzene
Concen: 0.820 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

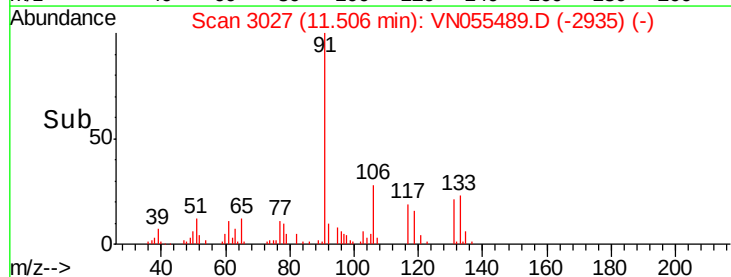
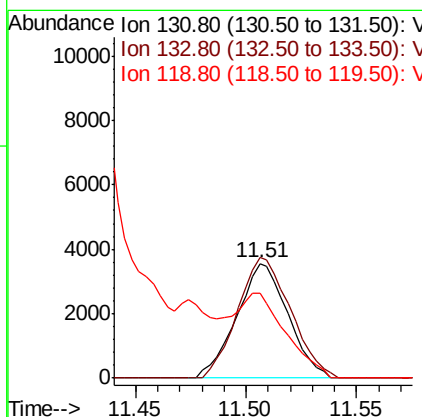
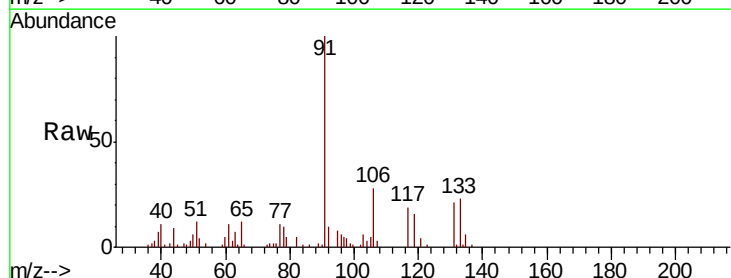
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

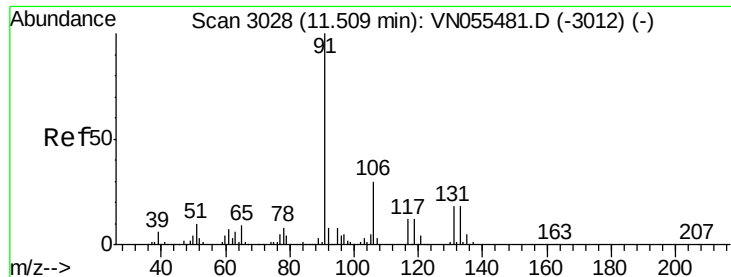
Tot Ion:112 Resp: 17137
Ion Ratio Lower Upper
112 100
114 32.4 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 0.796 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

Tgt Ion:131 Resp: 5724
Ion Ratio Lower Upper
131 100
133 108.8 47.4 142.2
119 0.0 34.1 102.2#





#67

Ethyl Benzene

Concen: 0.759 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

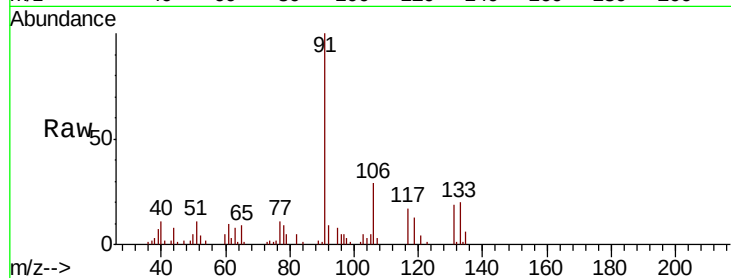
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 91 Resp: 29769

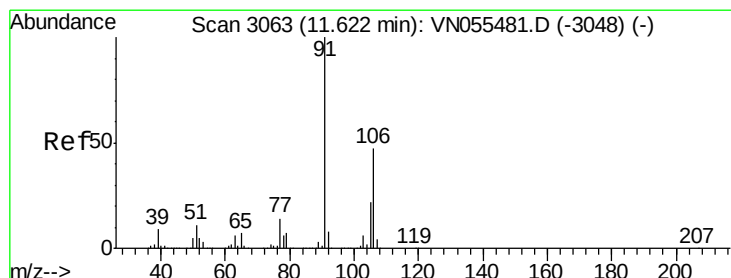
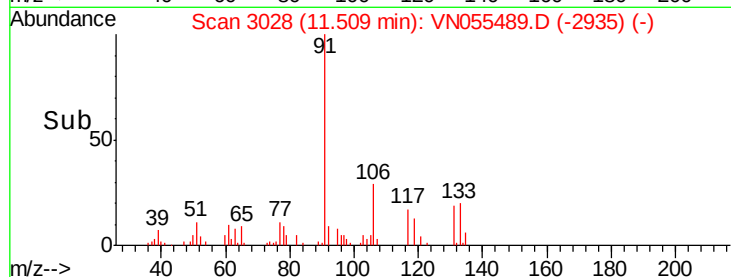
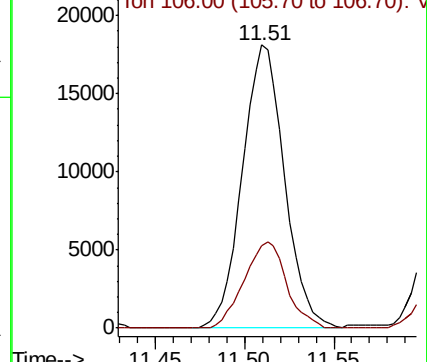
Ion Ratio Lower Upper

91 100

106 29.2 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VN055489.D (-2935) (-)



#68

m/p-Xylenes

Concen: 1.464 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN055489.D

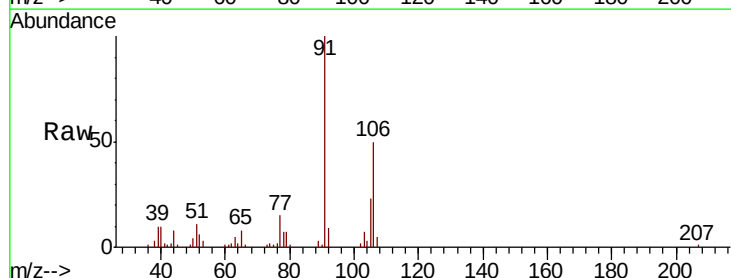
Acq: 9 May 2019 11:53

Tgt Ion: 106 Resp: 20621

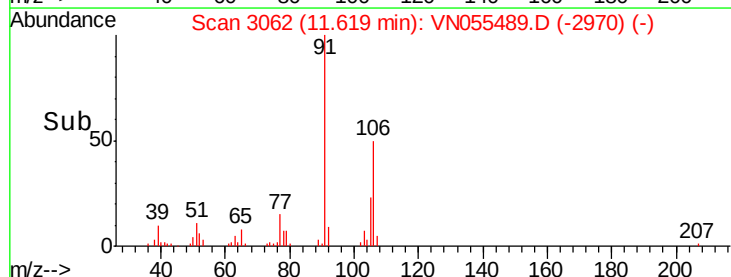
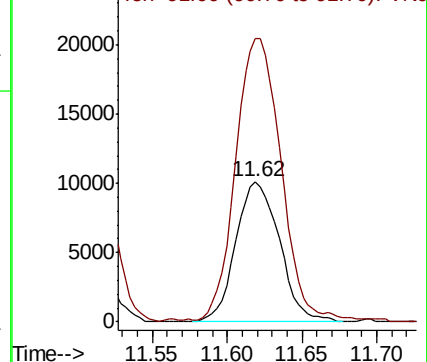
Ion Ratio Lower Upper

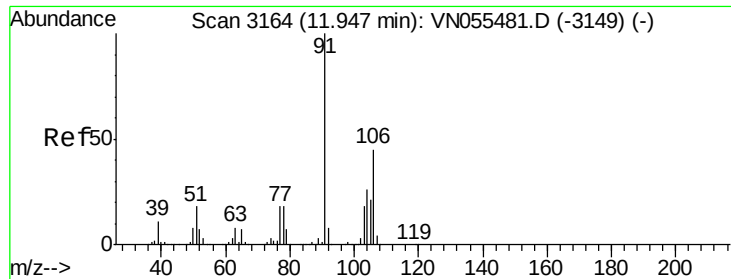
106 100

91 205.5 169.2 253.8



Abundance Ion 106.00 (105.70 to 106.70): VN055489.D (-2970) (-)





#69

o-Xylene

Concen: 0.704 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

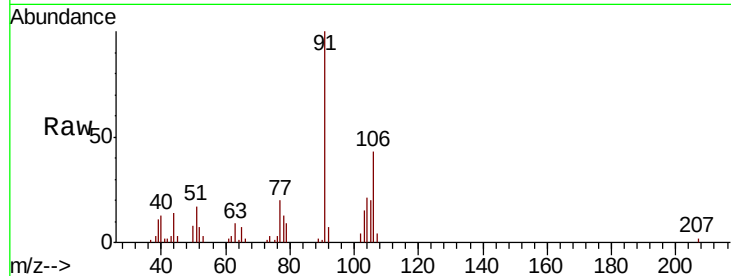
LOD-MDL-WATER-01-QT2-2019

Tot Ion:106 Resp: 9739

Ion Ratio Lower Upper

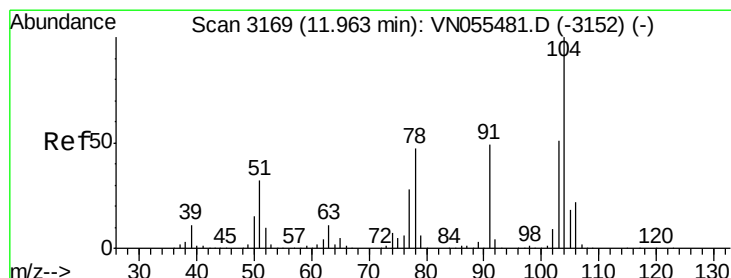
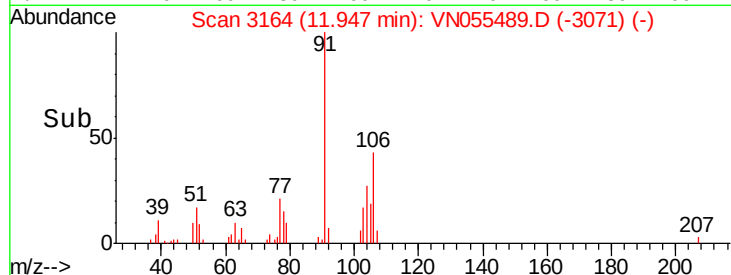
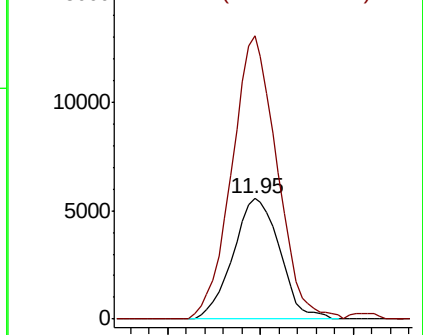
106 100

91 226.0 111.3 333.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 0.672 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

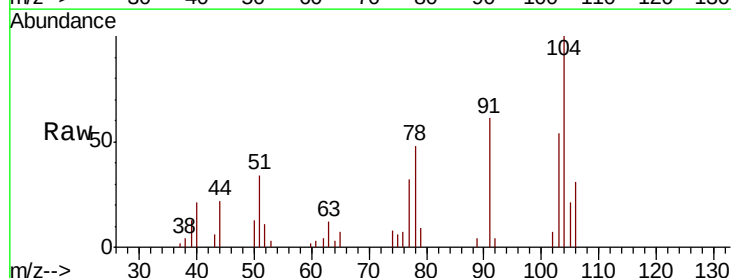
Tgt Ion:104 Resp: 14913

Ion Ratio Lower Upper

104 100

78 47.5 41.6 62.4

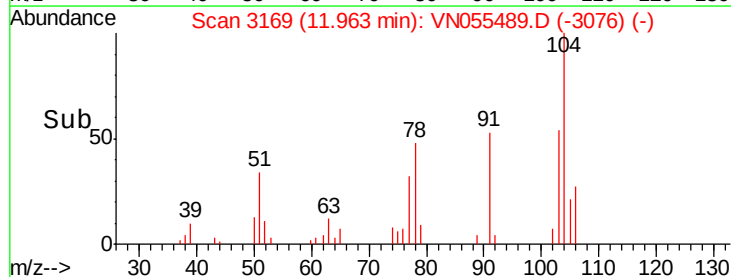
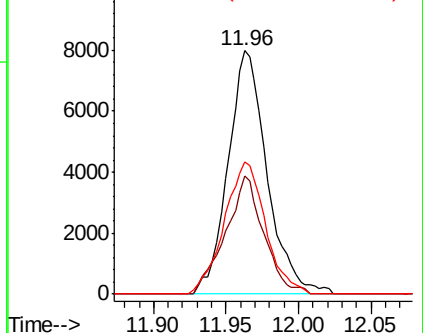
103 57.0 44.4 66.6

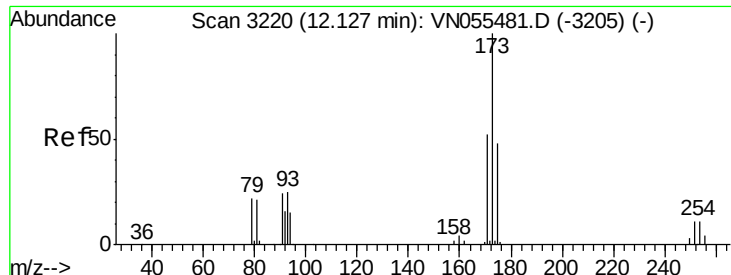


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

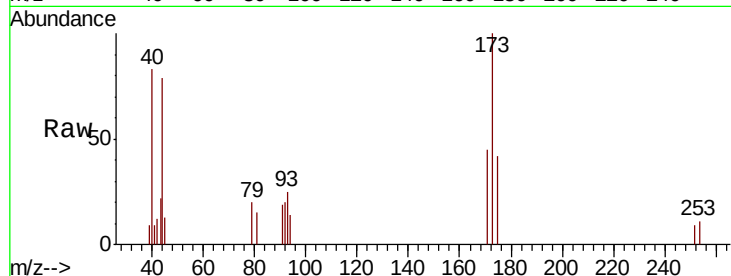




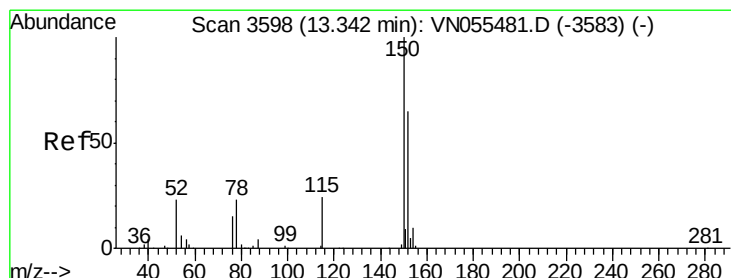
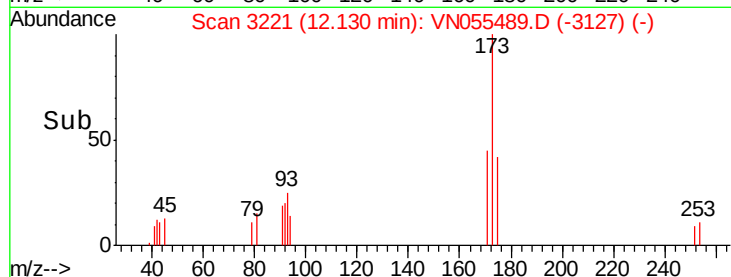
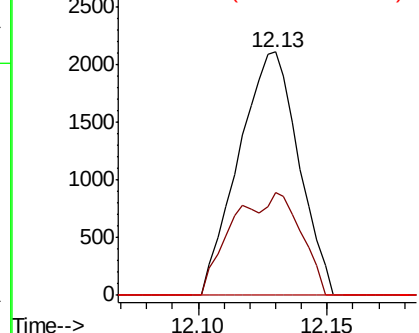
#71
Bromoform
Concen: 0.704 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion:173 Resp: 3416
Ion Ratio Lower Upper
173 100
175 48.0 24.1 72.4
254 0.0 0.1 0.1#

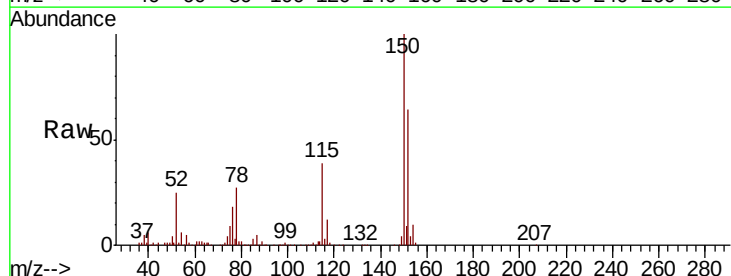


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

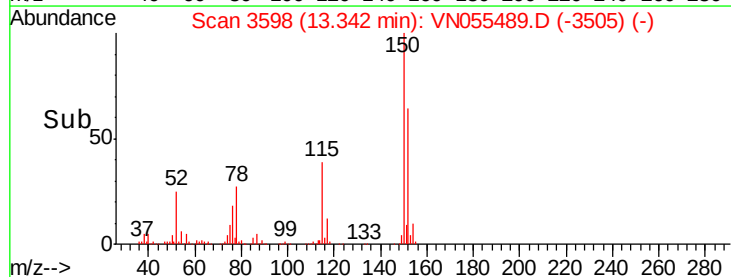
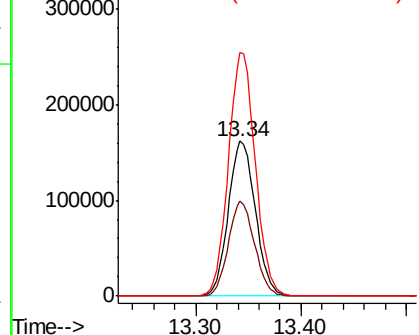


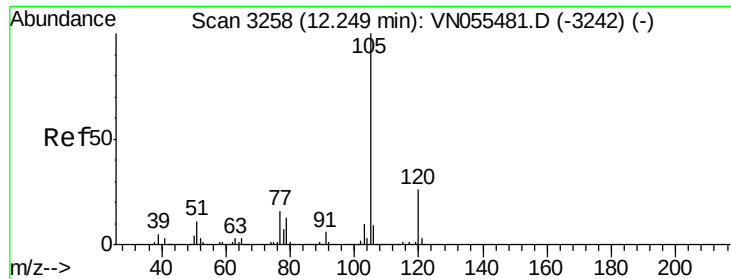
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

Tgt Ion:152 Resp: 286466
Ion Ratio Lower Upper
152 100
115 59.3 30.1 90.5
150 156.1 0.0 355.0



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: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

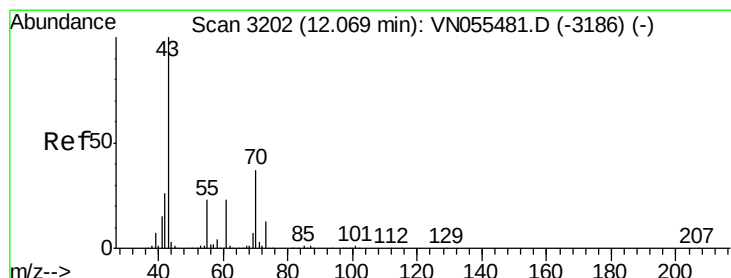
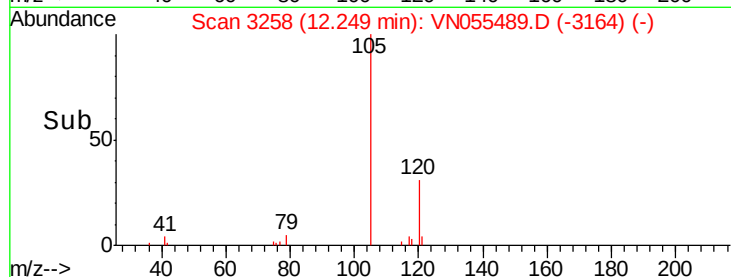
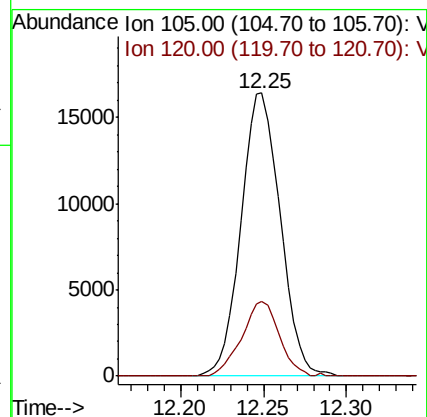
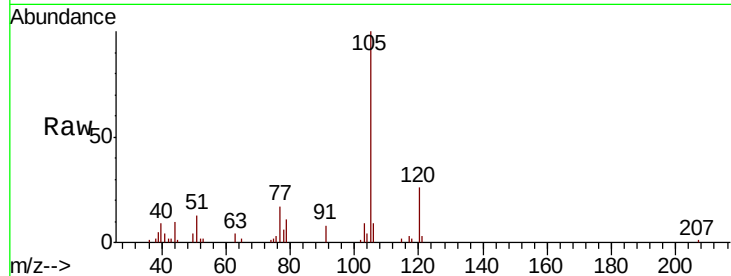
LOD-MDL-WATER-01-QT2-2019

Tot Ion:105 Resp: 27045

Ion Ratio Lower Upper

105 100

120 25.1 13.0 39.0



#74

N-ethyl acetate

Concen: 0.730 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Tgt Ion: 43 Resp: 7943

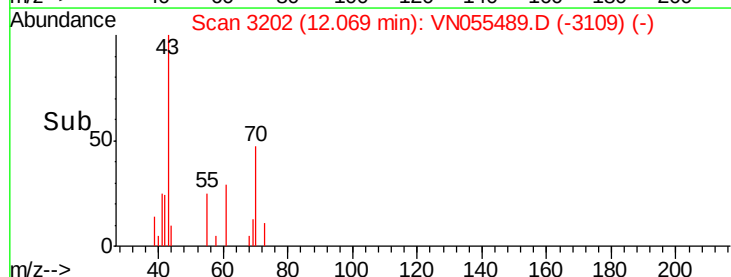
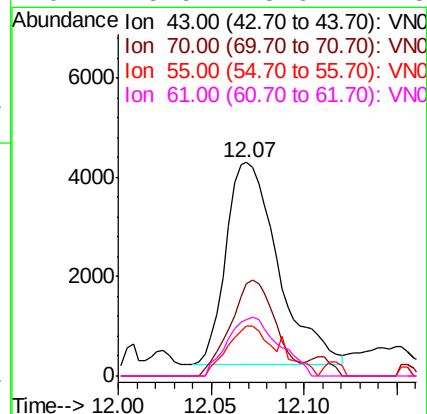
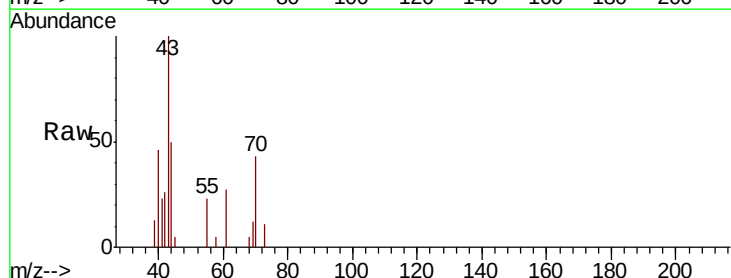
Ion Ratio Lower Upper

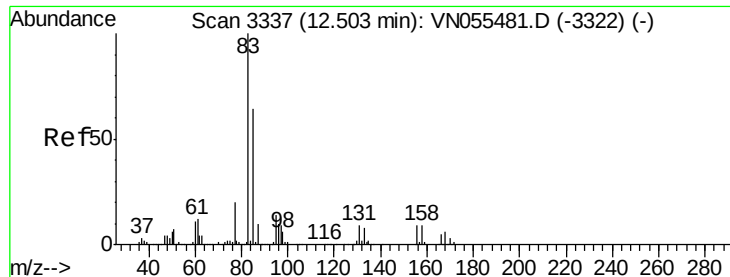
43 100

70 40.9 30.7 46.1

55 24.5 19.3 28.9

61 28.5 18.6 27.8#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

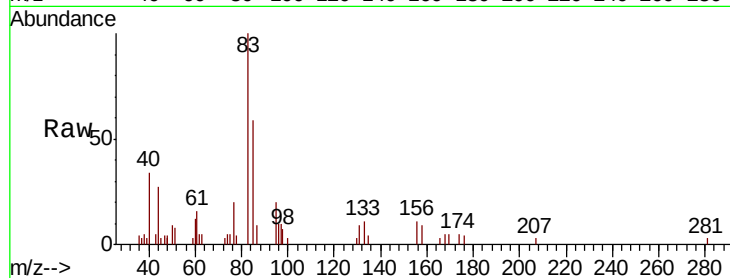
Tot Ion: 83 Resp: 9527

Ion Ratio Lower Upper

83 100

131 7.3 4.5 13.5

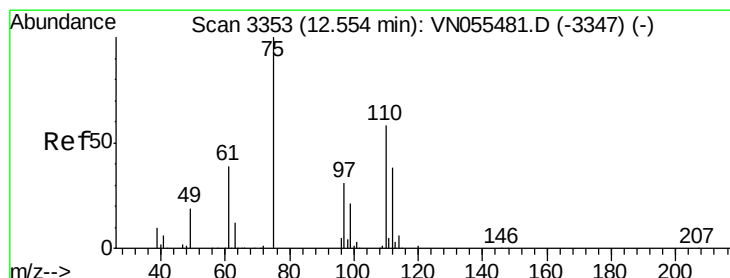
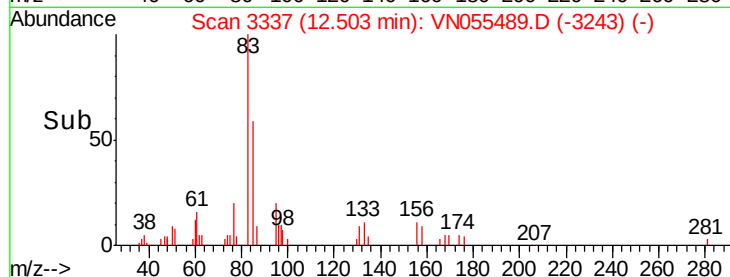
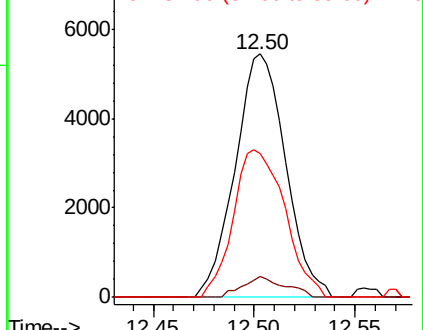
85 61.9 32.0 96.0



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: 1.479 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055489.D

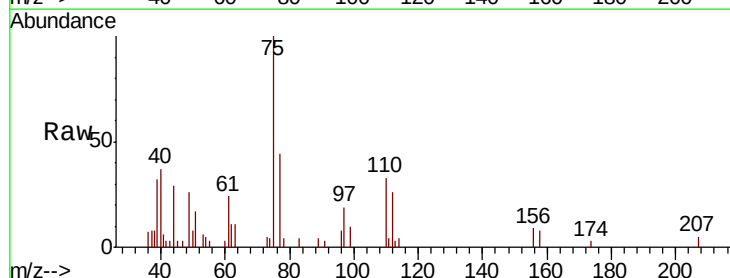
Acq: 9 May 2019 11:53

Tgt Ion: 75 Resp: 11532

Ion Ratio Lower Upper

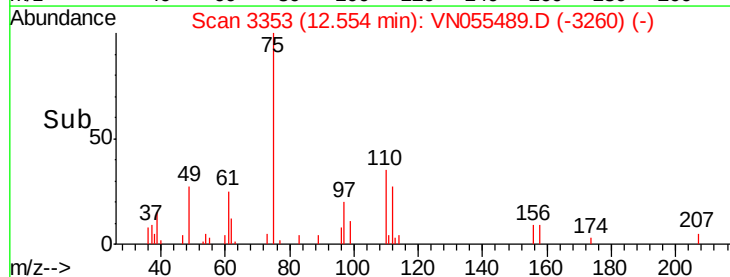
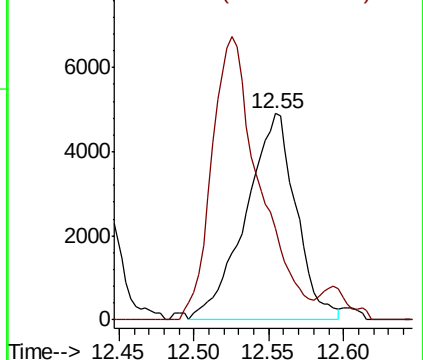
75 100

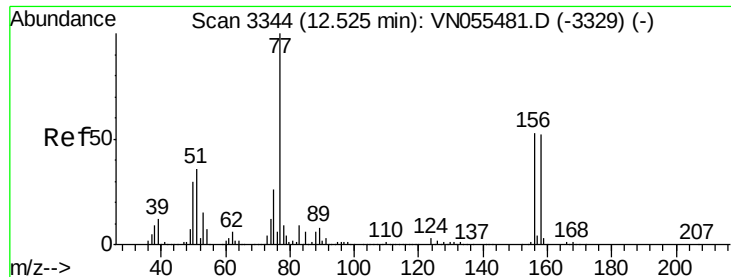
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 1.070 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

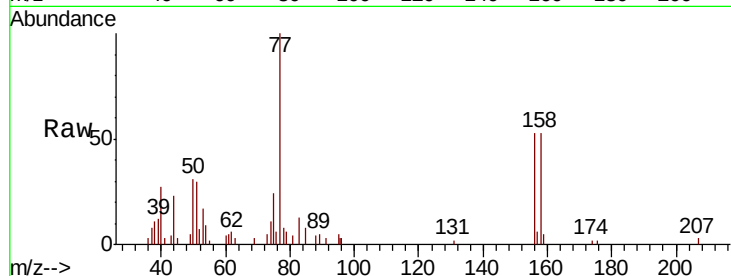
Tot Ion:156 Resp: 6754

Ion Ratio Lower Upper

156 100

77 222.0 115.4 346.2

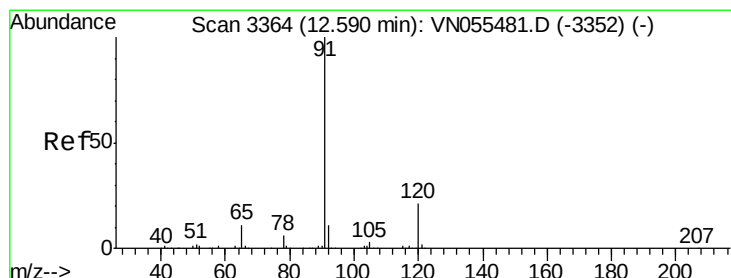
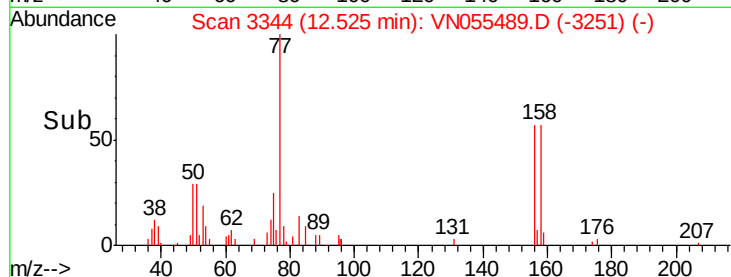
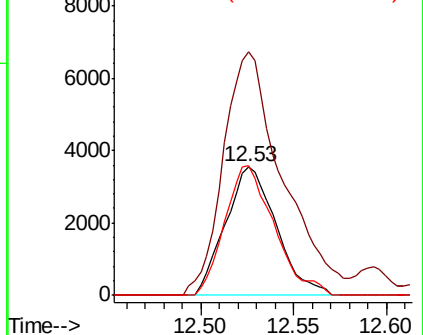
158 98.5 48.7 146.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.888 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055489.D

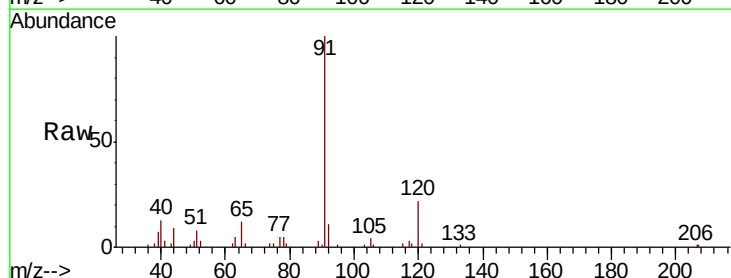
Acq: 9 May 2019 11:53

Tgt Ion: 91 Resp: 27297

Ion Ratio Lower Upper

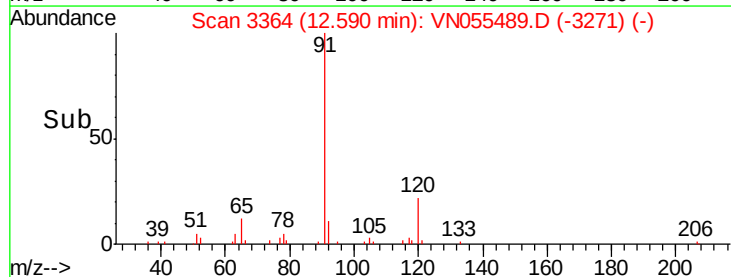
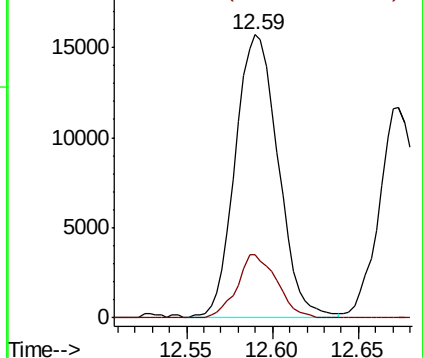
91 100

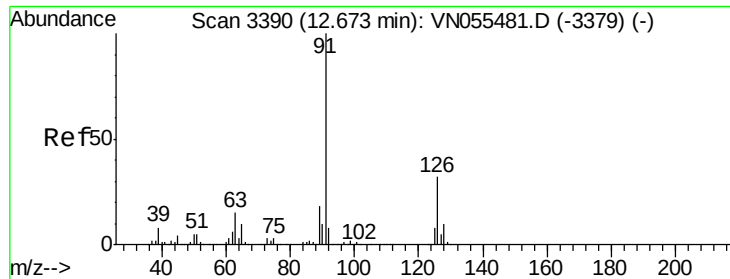
120 20.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

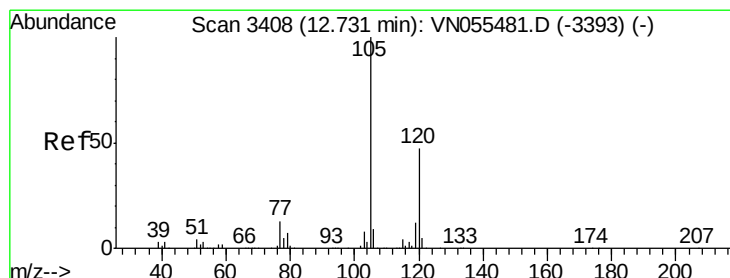
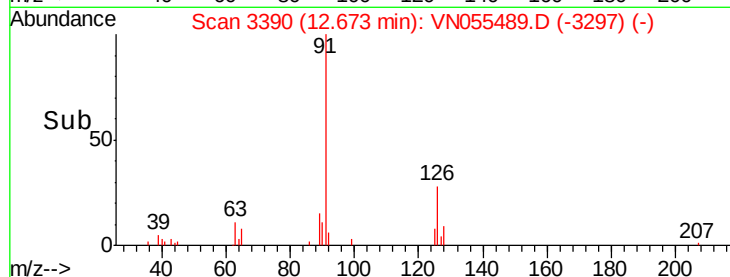
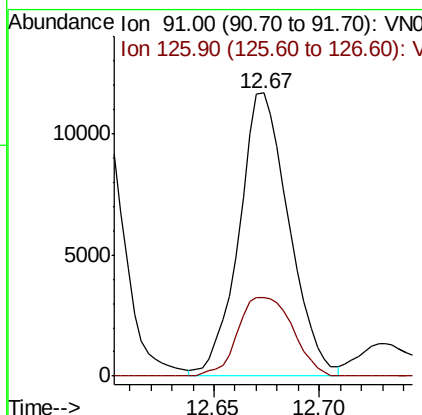
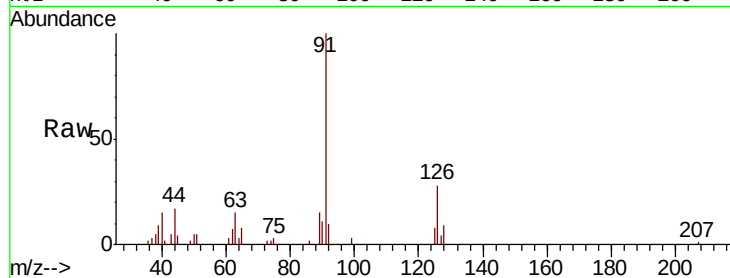




#79
 2-Chlorotoluene
 Concen: 1.006 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

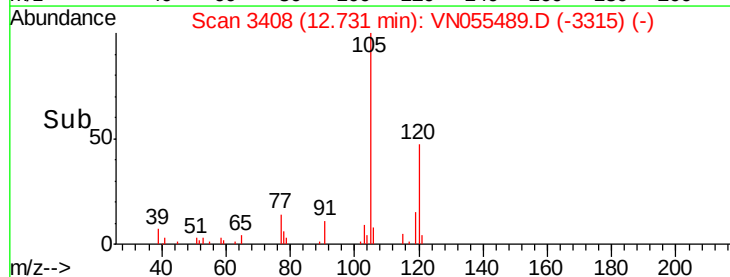
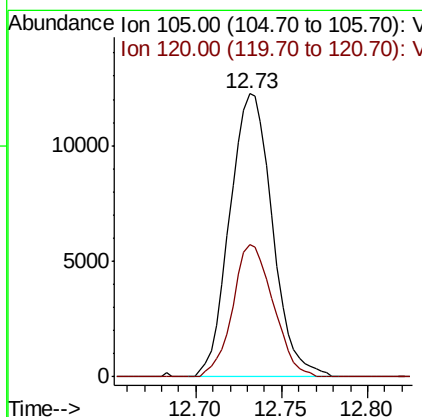
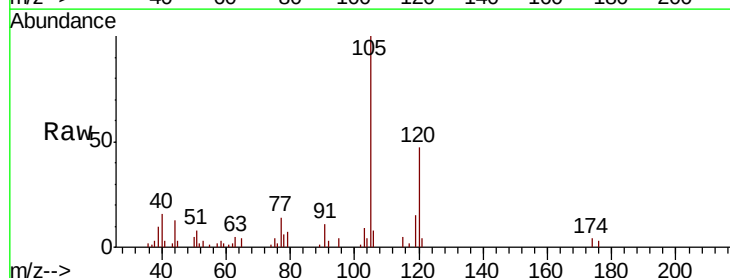
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

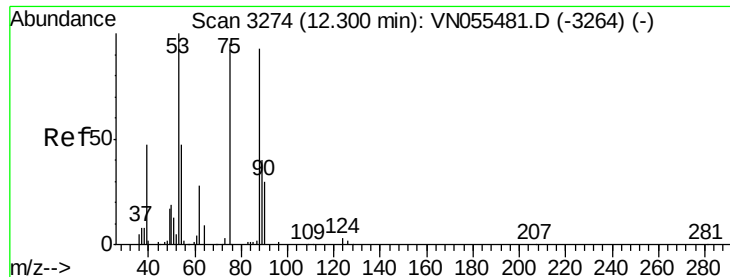
Tot Ion: 91 Resp: 19270
 Ion Ratio Lower Upper
 91 100
 126 30.7 16.0 47.9



#80
 1,3,5-Trimethylbenzene
 Concen: 0.919 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

Tgt Ion: 105 Resp: 21056
 Ion Ratio Lower Upper
 105 100
 120 44.4 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 104.224 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

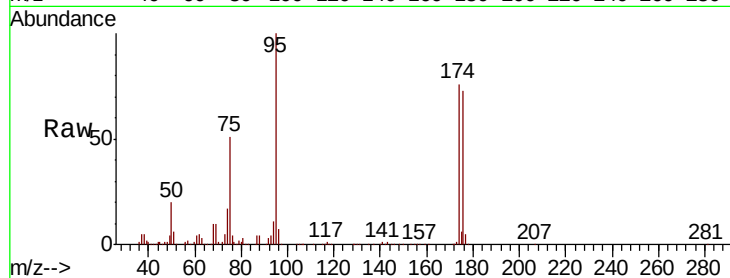
Tot Ion: 75 Resp: 220278

Ion Ratio Lower Upper

75 100

53 0.0 86.5 129.7#

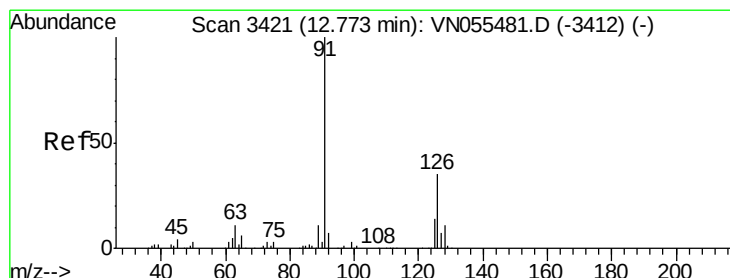
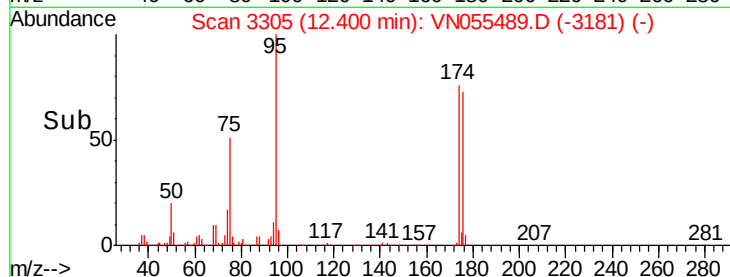
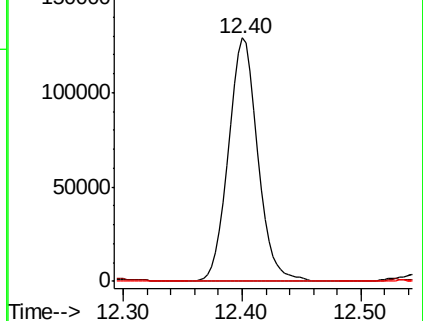
89 0.0 35.7 53.5#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.860 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055489.D

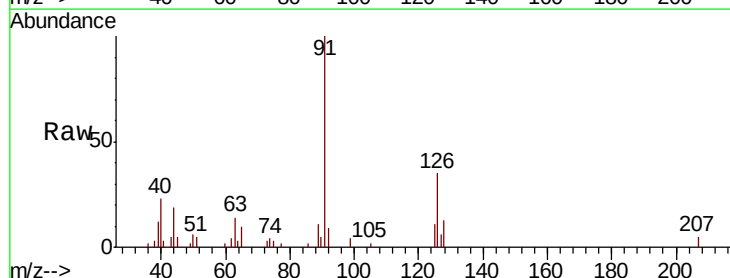
Acq: 9 May 2019 11:53

Tgt Ion: 91 Resp: 15566

Ion Ratio Lower Upper

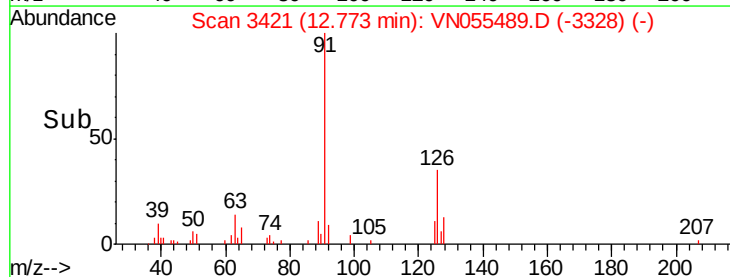
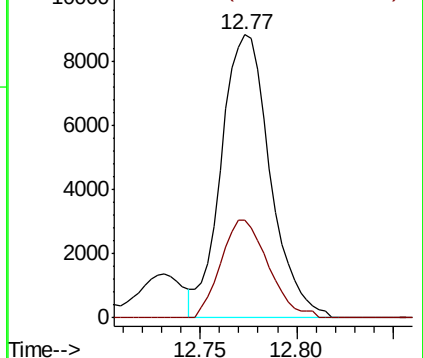
91 100

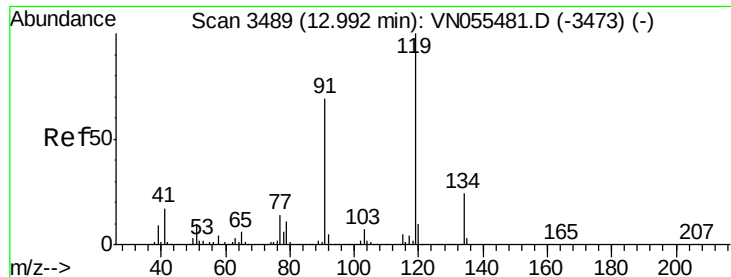
126 33.5 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

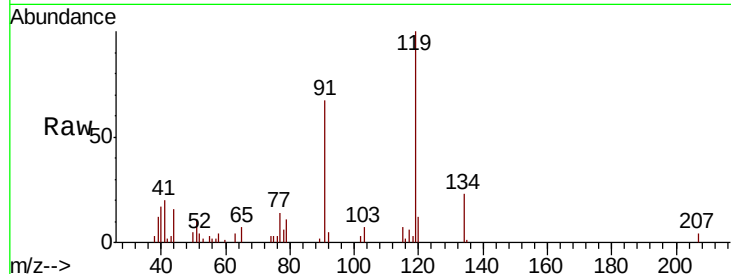




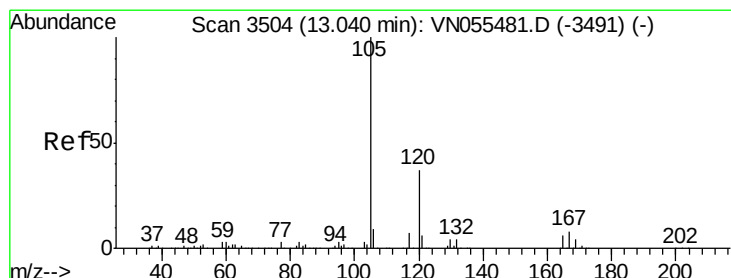
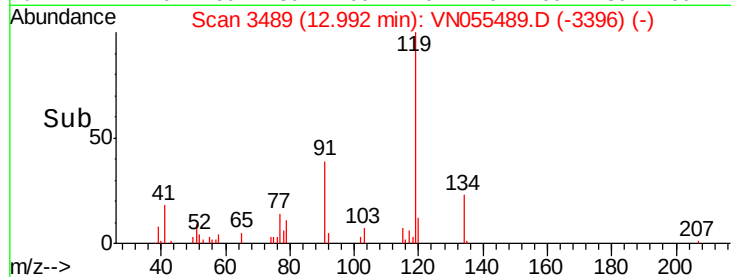
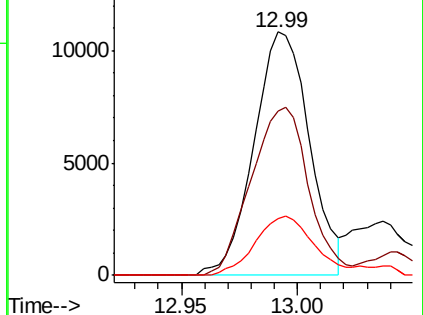
#83
 tert-Butylbenzene
 Concen: 0.918 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion:119 Resp: 18027
 Ion Ratio Lower Upper
 119 100
 91 71.6 33.8 101.3
 134 25.7 12.5 37.5

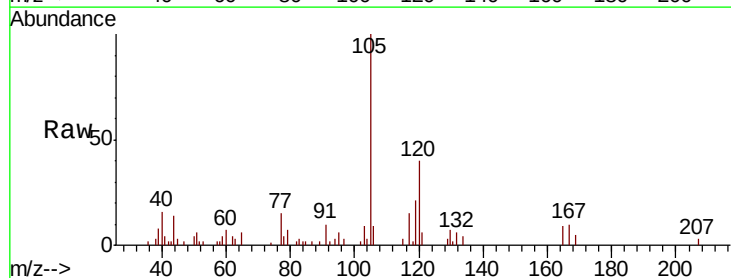


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

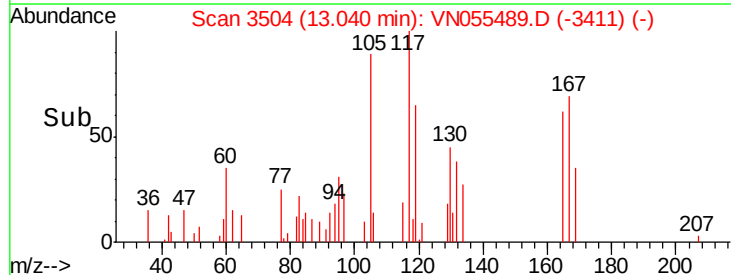
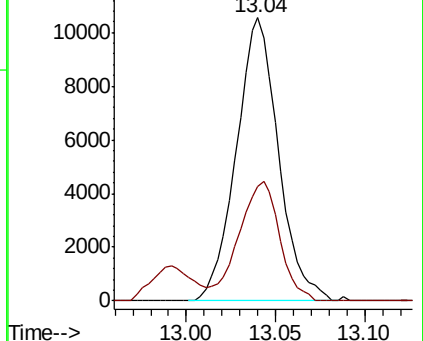


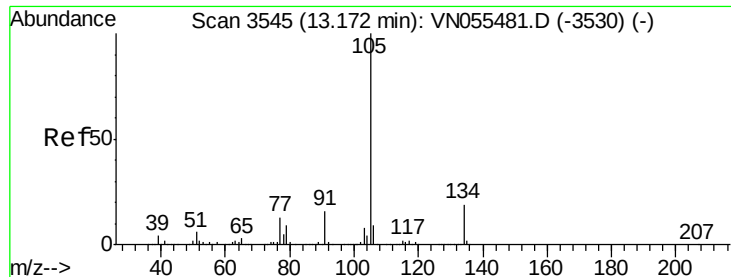
#84
 1,2,4-Trimethylbenzene
 Concen: 0.826 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

Tgt Ion:105 Resp: 17360
 Ion Ratio Lower Upper
 105 100
 120 40.9 22.1 66.5



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





#85

sec-Butylbenzene

Concen: 0.873 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

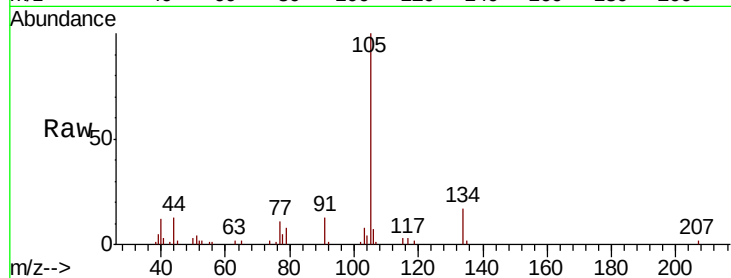
LOD-MDL-WATER-01-QT2-2019

Tot Ion:105 Resp: 22779

Ion Ratio Lower Upper

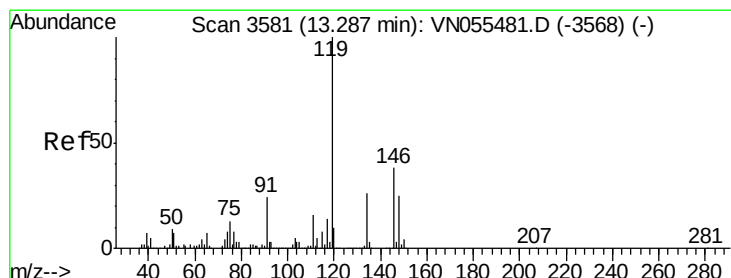
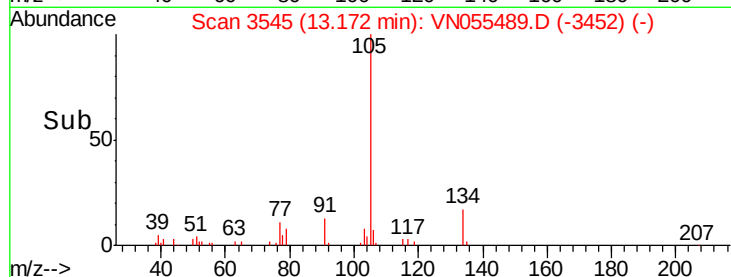
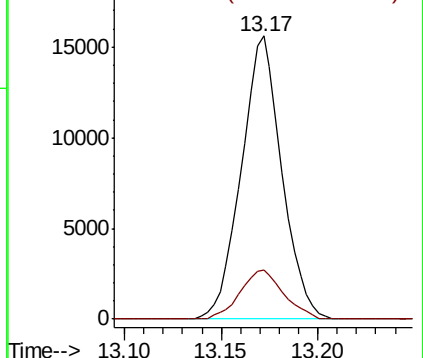
105 100

134 18.7 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.778 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

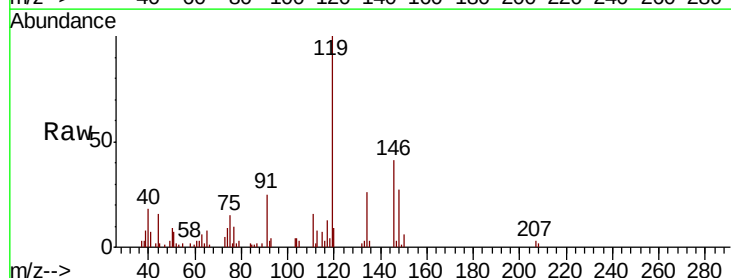
Tgt Ion:119 Resp: 16518

Ion Ratio Lower Upper

119 100

134 25.1 12.8 38.4

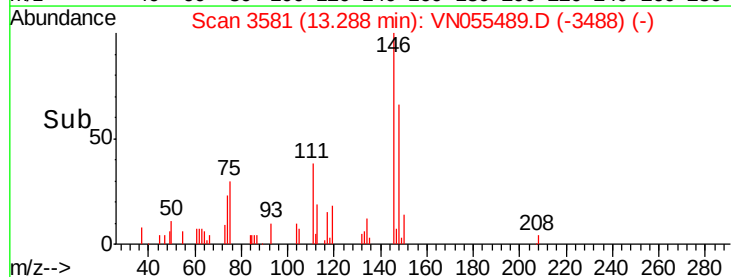
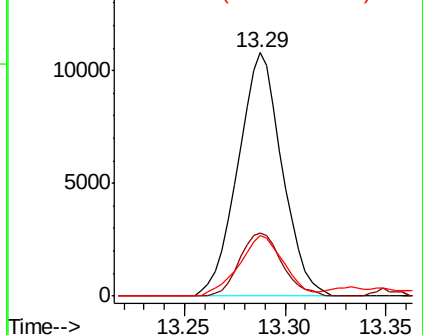
91 25.3 12.0 36.0

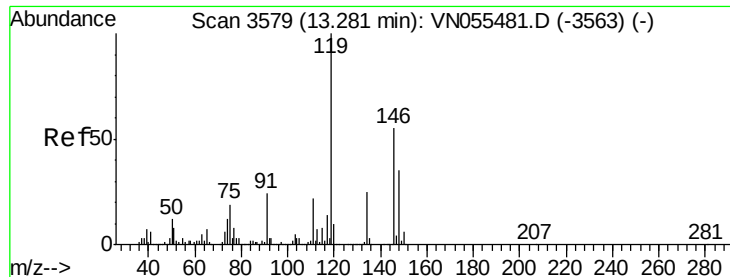


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

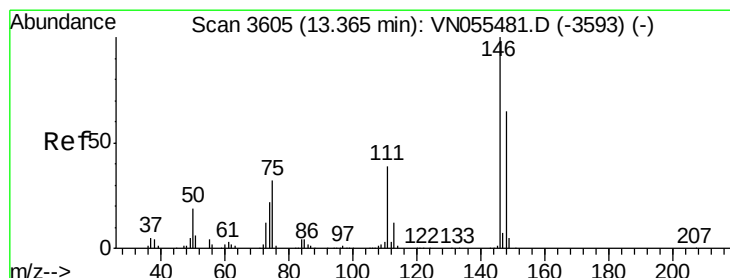
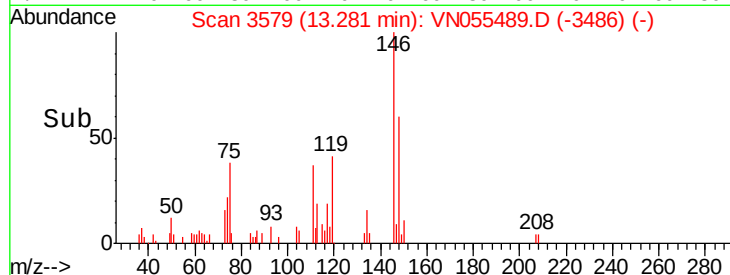
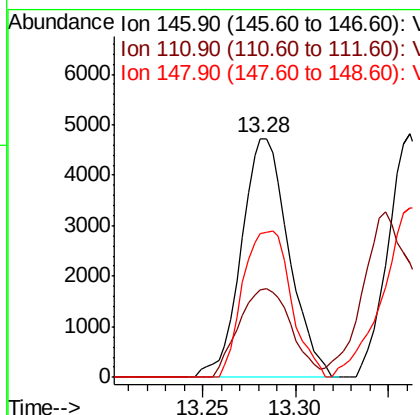
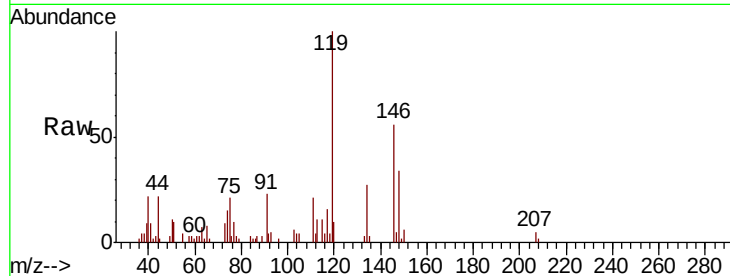




#87
 1,3-Dichlorobenzene
 Concen: 0.858 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

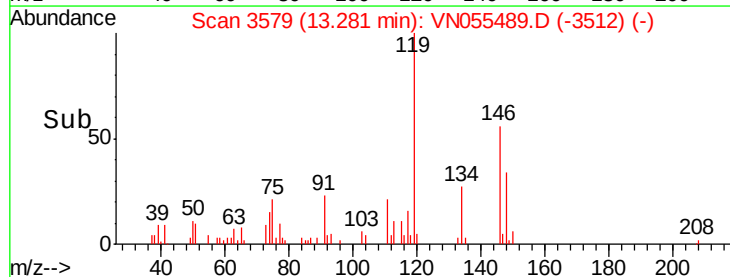
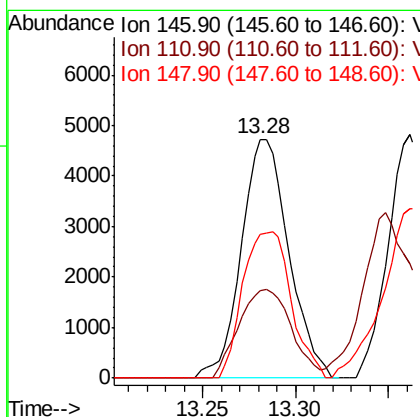
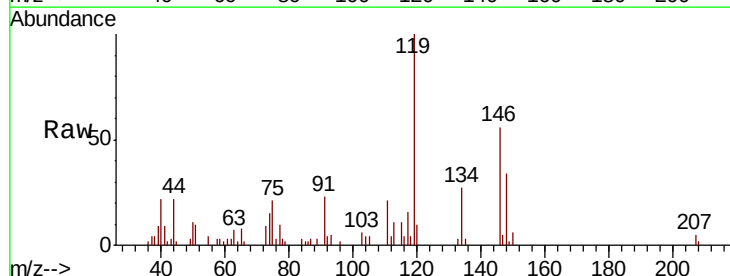
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

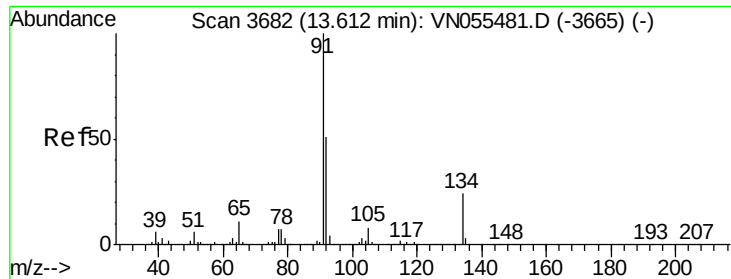
Tot Ion:146 Resp: 8372
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.4 61.3
 148 62.3 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 0.870 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.08 min
 Lab File: VN055489.D
 Acq: 9 May 2019 11:53

Tgt Ion:146 Resp: 8372
 Ion Ratio Lower Upper
 146 100
 111 41.1 19.6 58.8
 148 62.3 32.5 97.4

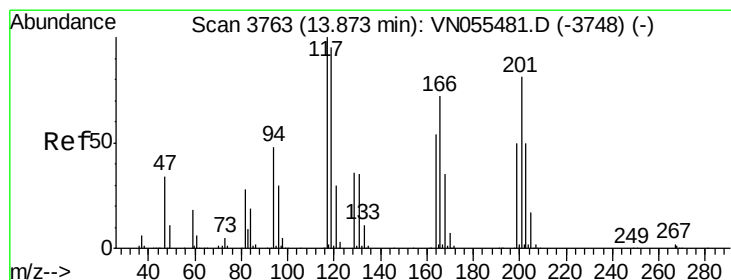
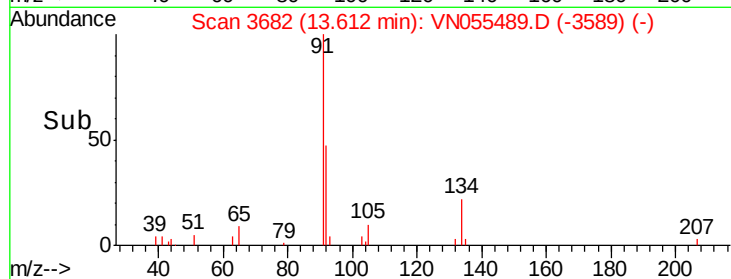
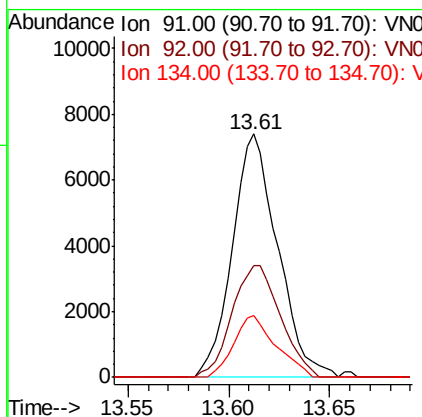
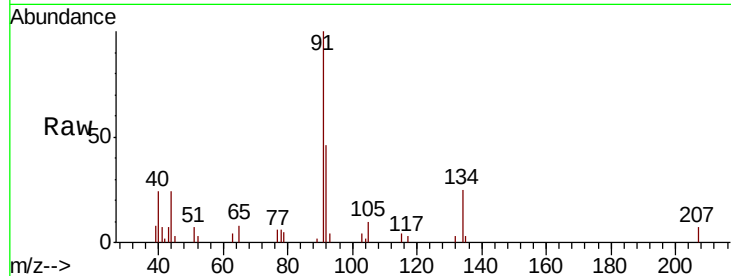




#89
n-Butylbenzene
Concen: 0.707 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

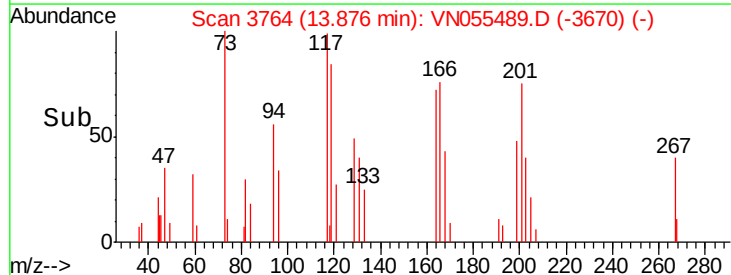
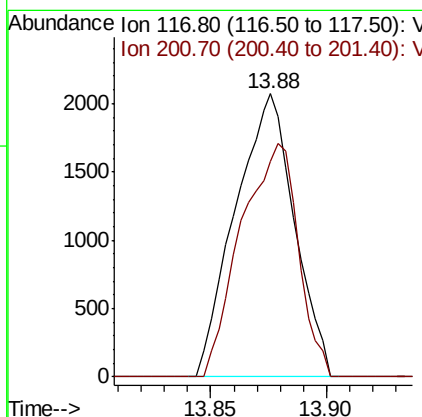
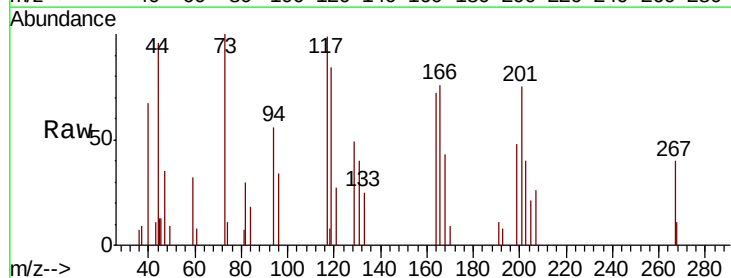
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

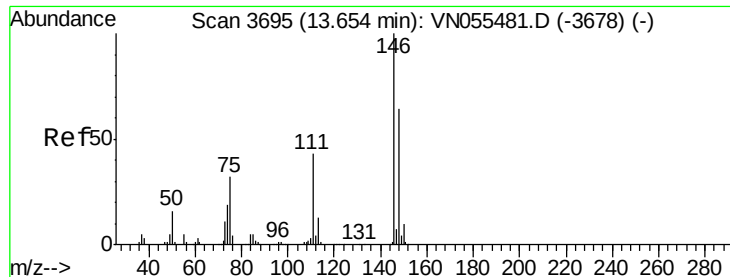
Tot Ion: 91 Resp: 11640
Ion Ratio Lower Upper
91 100
92 48.8 25.9 77.7
134 23.5 11.8 35.4



#90
Hexachloroethane
Concen: 1.057 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN055489.D
Acq: 9 May 2019 11:53

Tgt Ion: 117 Resp: 3661
Ion Ratio Lower Upper
117 100
201 79.7 40.1 120.2





#91

1,2-Dichlorobenzene

Concen: 0.801 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

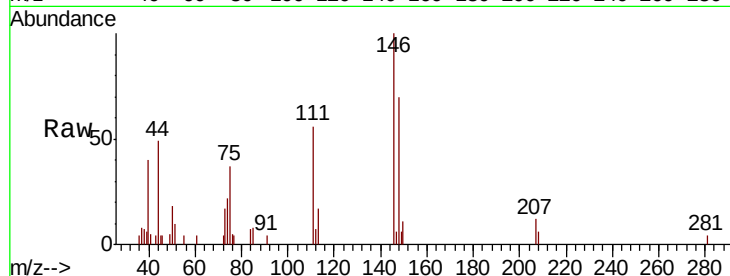
Tot Ion:146 Resp: 7812

Ion Ratio Lower Upper

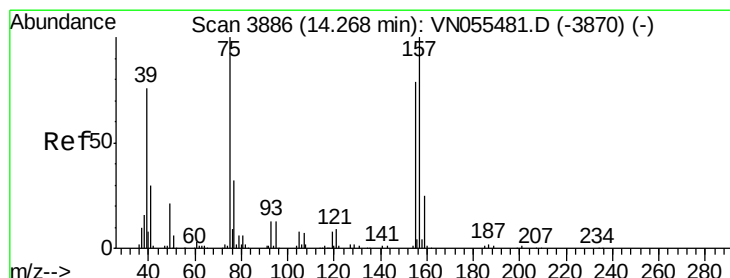
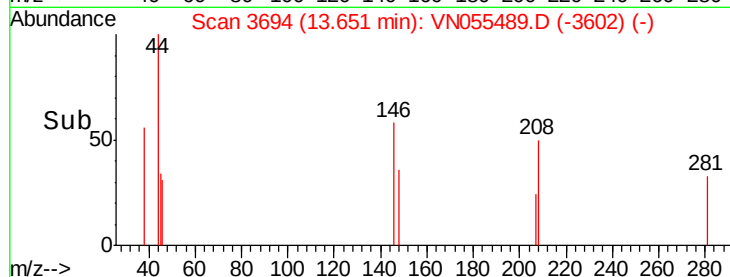
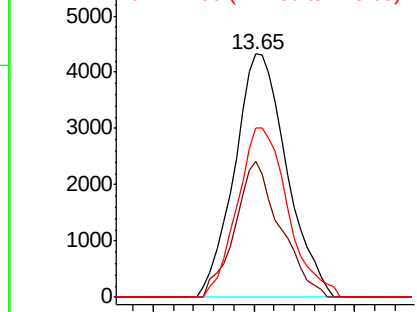
146 100

111 48.6 21.3 63.7

148 67.6 31.9 95.9



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.925 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

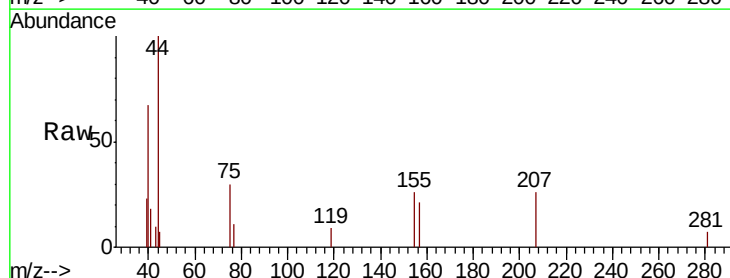
Tgt Ion: 75 Resp: 1218

Ion Ratio Lower Upper

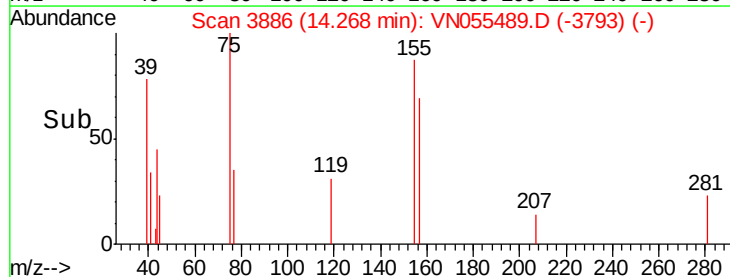
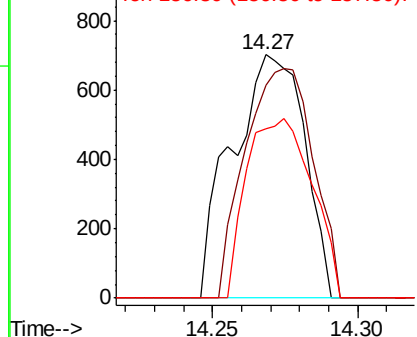
75 100

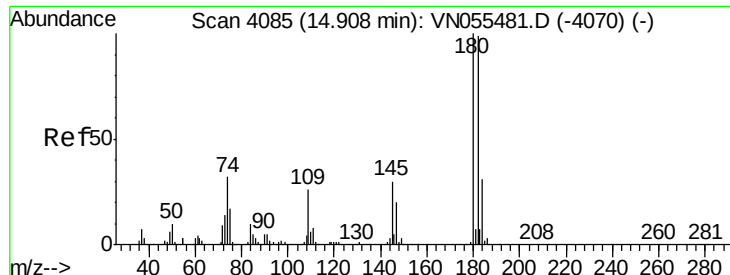
155 88.5 39.3 117.8

157 66.7 50.6 151.8



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





#93

1,2,4-Trichlorobenzene

Concen: 3.851 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

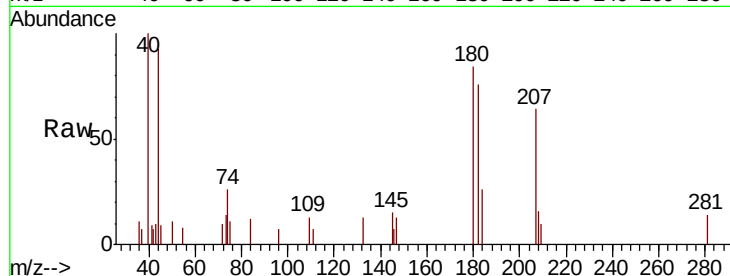
Tot Ion:180 Resp: 2930

Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.7	146.1
145	25.6	15.3	45.9

180 100

182 96.5 48.7 146.1

145 25.6 15.3 45.9

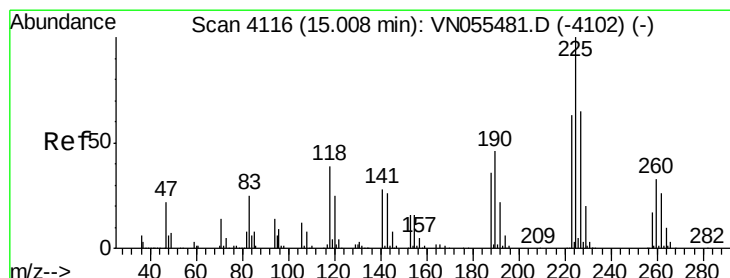
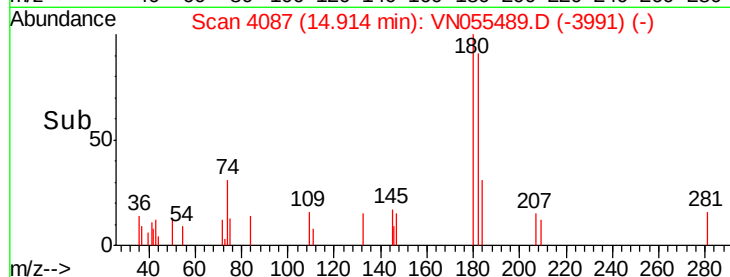
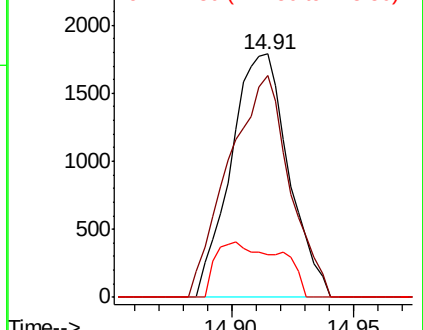


Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

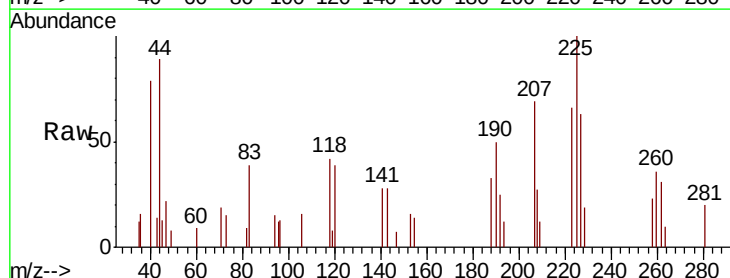
Tgt Ion:225 Resp: 3450

Ion	Ratio	Lower	Upper
225	100		
223	66.7	31.4	94.3
227	57.7	32.0	96.0

225 100

223 66.7 31.4 94.3

227 57.7 32.0 96.0

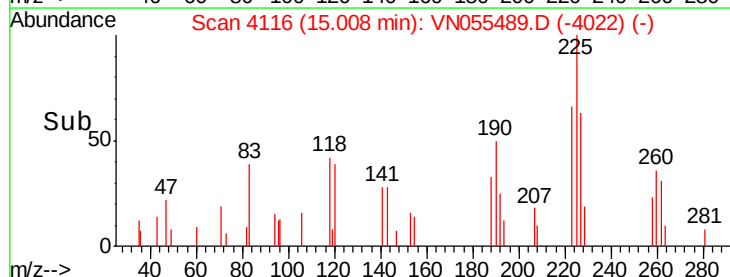
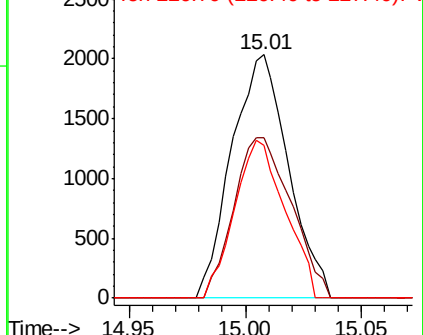


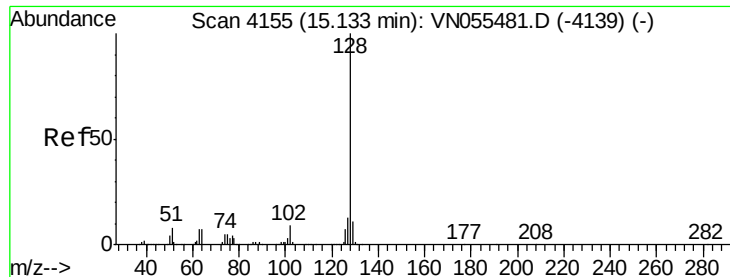
Abundance

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: 3.527 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

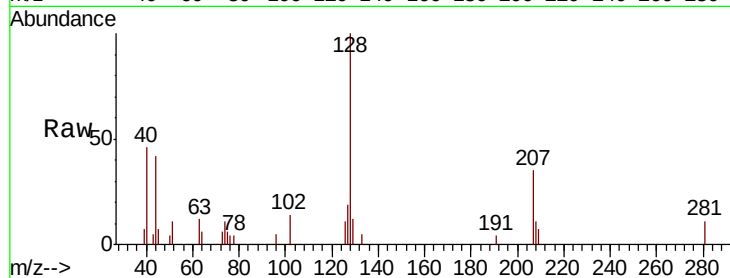
Tot Ion:128 Resp: 7485

Ion Ratio Lower Upper

128 100

127 13.7 10.0 15.0

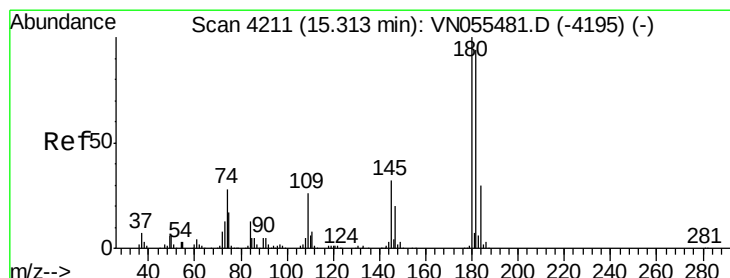
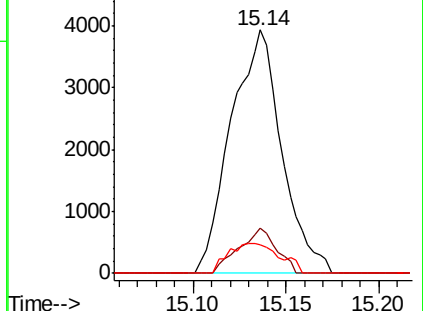
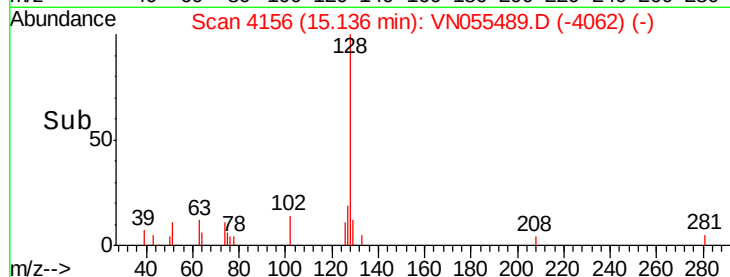
129 12.4 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.035 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055489.D

Acq: 9 May 2019 11:53

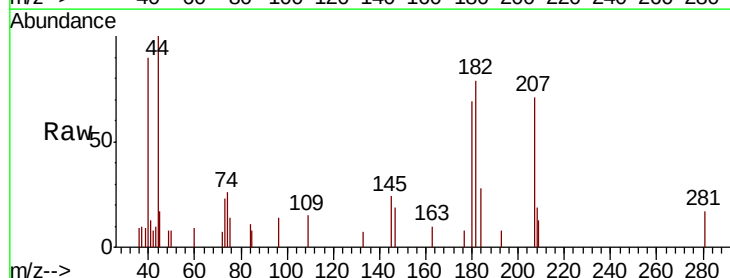
Tgt Ion:180 Resp: 2957

Ion Ratio Lower Upper

180 100

182 90.0 47.1 141.3

145 29.7 15.8 47.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

