

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101218\
 Data File : VX005292.D
 Acq On : 12 Oct 2018 14:45
 Operator : JC/MD
 Sample : J5164-07 0.2ppb
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Quant Time: Oct 12 17:07:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	247276	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	366807	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	338841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	176227	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	149757	54.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.14%	
35) Dibromofluoromethane	5.50	113	117698	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
50) Toluene-d8	8.72	98	422525	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
62) 4-Bromofluorobenzene	11.14	95	146415	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	653	0.34	ug/l	94
3) Chloromethane	1.32	50	1462	0.52	ug/l	98
4) Vinyl Chloride	1.40	62	710	0.25	ug/l	100
5) Bromomethane	1.64	94	1260	1.36	ug/l	# 73
6) Chloroethane	1.72	64	528	0.62	ug/l	# 80
7) Trichlorofluoromethane	1.93	101	948	0.25	ug/l	# 83
8) Diethyl Ether	2.18	74	536	0.33	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	717	0.33	ug/l	# 79
10) Methyl Iodide	2.52	142	974	2.87	ug/l	# 93
11) Tert butyl alcohol	3.07	59	1139	1.47	ug/l	# 81
12) 1,1-Dichloroethene	2.37	96	735	0.34	ug/l	# 94
14) Allyl chloride	2.72	41	1196	0.25	ug/l	# 85
15) Acrylonitrile	3.15	53	2666	1.52	ug/l	# 93
16) Acetone	2.45	43	2620	1.65	ug/l	96
17) Carbon Disulfide	2.56	76	3487	0.53	ug/l	95
18) Methyl Acetate	2.78	43	3092	0.68	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	1882	0.25	ug/l	# 81
20) Methylene Chloride	2.86	84	1365	Below Cal	#	94
21) trans-1,2-Dichloroethene	3.16	96	1013	0.42	ug/l	84
22) Diisopropyl ether	3.87	45	1767	0.22	ug/l	# 85
23) Vinyl Acetate	3.82	43	7584	1.09	ug/l	100
24) 1,1-Dichloroethane	3.70	63	1335	0.29	ug/l	# 82
25) 2-Butanone	4.71	43	3180	1.37	ug/l	95
26) 2,2-Dichloropropane	4.57	77	836	0.24	ug/l	# 76
27) cis-1,2-Dichloroethene	4.59	96	675	0.26	ug/l	# 1
29) Tetrahydrofuran	5.17	42	2105	1.42	ug/l	# 89
30) Chloroform	5.20	83	1052	0.25	ug/l	# 80
31) Cyclohexane	5.59	56	890	0.24	ug/l	# 77
32) 1,1,1-Trichloroethane	5.50	97	939	0.25	ug/l	# 47
36) 1,1-Dichloropropene	5.81	75	1262	0.36	ug/l	96
37) Ethyl Acetate	4.86	43	1271	0.28	ug/l	# 83
38) Carbon Tetrachloride	5.78	117	1156	0.32	ug/l	# 81
39) Methylcyclohexane	7.46	83	1165	0.30	ug/l	91
40) Benzene	6.15	78	2317	0.22	ug/l	91

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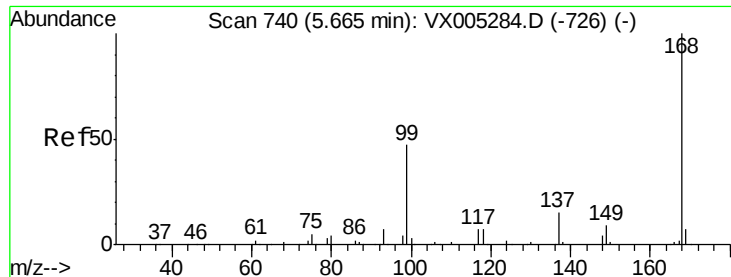
Instrument :
 MSVOA_X
 ClientSampleId :
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 Response via : Initial Calibration

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

41) Methacrylonitrile	5.06	41	496	0.20	ug/l #	80
42) 1,2-Dichloroethane	6.19	62	838	0.22	ug/l #	72
43) Isopropyl Acetate	6.46	43	1689	0.28	ug/l #	76
44) Trichloroethene	7.22	130	1379	Below	Cal	81
45) 1,2-Dichloropropane	7.51	63	658	0.25	ug/l	93
46) Dibromomethane	7.66	93	472	0.27	ug/l	93
47) Bromodichloromethane	7.90	83	758	0.24	ug/l #	94
48) Methyl methacrylate	7.77	41	724	0.23	ug/l #	75
49) 1,4-Dioxane	7.77	88	290	3.98	ug/l #	75
51) 4-Methyl-2-Pentanone	8.65	43	3734	0.89	ug/l	94
52) Toluene	8.79	92	1420	0.24	ug/l	89
53) t-1,3-Dichloropropene	9.04	75	807	0.23	ug/l	96
54) cis-1,3-Dichloropropene	8.44	75	847	0.23	ug/l #	83
55) 1,1,2-Trichloroethane	9.22	97	581	0.24	ug/l #	85
56) Ethyl methacrylate	9.18	69	780	0.22	ug/l #	72
57) 1,3-Dichloropropane	9.37	76	953	0.23	ug/l #	85
58) 2-Chloroethyl Vinyl ether	8.32	63	1823	0.90	ug/l	94
59) 2-Hexanone	9.50	43	3209	0.95	ug/l	81
61) 1,2-Dibromoethane	9.68	107	683	0.26	ug/l	85
64) Tetrachloroethene	9.34	164	888	0.33	ug/l #	80
65) Chlorobenzene	10.14	112	1805	0.25	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	572	0.22	ug/l #	59
67) Ethyl Benzene	10.26	91	2595	0.22	ug/l	100
68) m/p-Xylenes	10.36	106	1715	0.38	ug/l #	73
73) Isopropylbenzene	11.02	105	2393	0.23	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	874	0.22	ug/l	92
76) 1,2,3-Trichloropropane	11.14	75	71582	20.94	ug/l #	37
77) Bromobenzene	11.26	156	795	0.27	ug/l	91
78) n-propylbenzene	11.36	91	3290	0.27	ug/l	99
79) 2-Chlorotoluene	11.42	91	2064	0.28	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	1905	0.21	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.14	75	71582	63.63	ug/l #	10
82) 4-Chlorotoluene	11.51	91	2343	0.27	ug/l	94
83) tert-Butylbenzene	11.77	119	1989	0.22	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	2107	0.23	ug/l	93
85) sec-Butylbenzene	11.94	105	2538	0.24	ug/l	96
86) p-Isopropyltoluene	12.07	119	2419	0.25	ug/l #	72
87) 1,3-Dichlorobenzene	12.02	146	1583	0.28	ug/l	94
88) 1,4-Dichlorobenzene	12.02	146	1583	0.28	ug/l	93
89) n-Butylbenzene	12.39	91	2373	0.27	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	1667	0.29	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.00	75	207	0.21	ug/l	83
93) 1,2,4-Trichlorobenzene	13.65	180	1426	0.34	ug/l	97
94) Hexachlorobutadiene	13.79	225	679	0.31	ug/l	84
95) Naphthalene	13.84	128	3693	0.30	ug/l	97
96) 1,2,3-Trichlorobenzene	14.02	180	1411	0.33	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

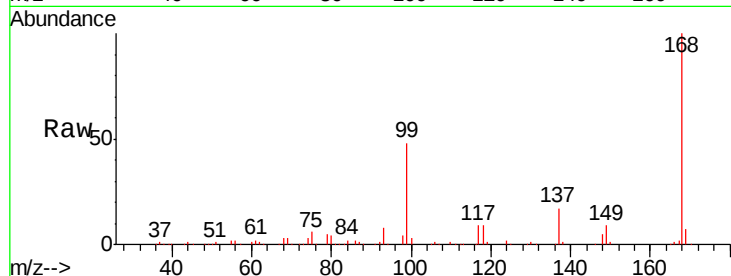
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:168 Resp: 247276

Ion Ratio Lower Upper

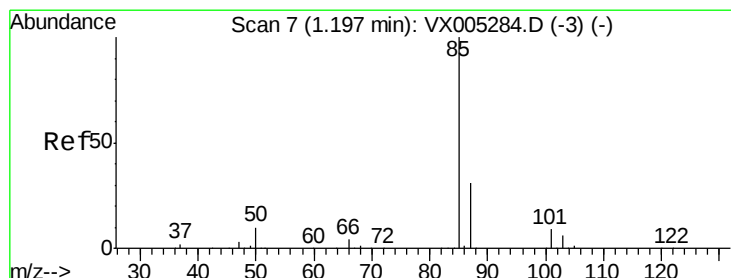
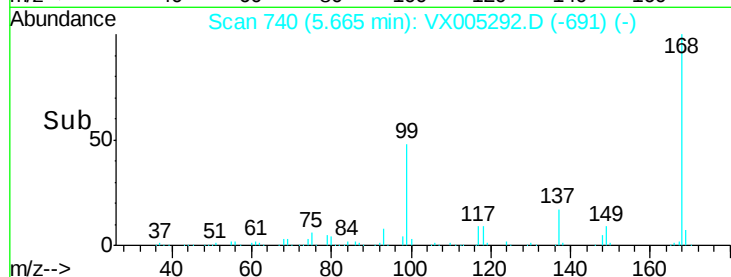
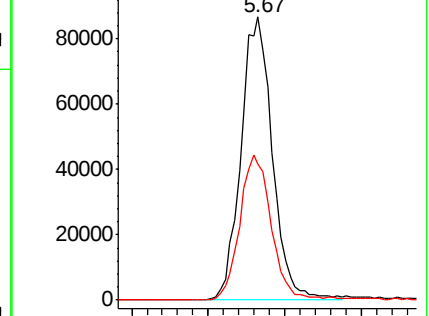
168 100

99 48.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.34 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005292.D

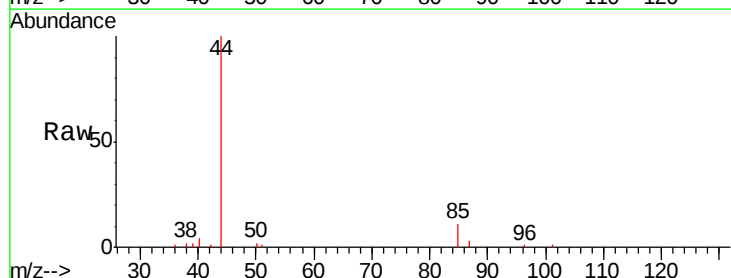
Acq: 12 Oct 2018 14:45

Tgt Ion: 85 Resp: 653

Ion Ratio Lower Upper

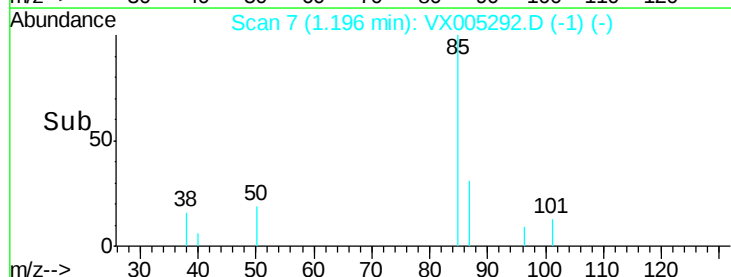
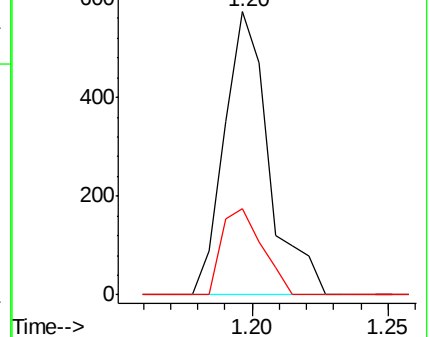
85 100

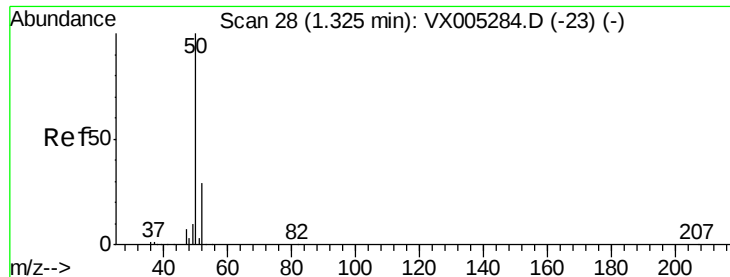
87 30.5 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.52 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

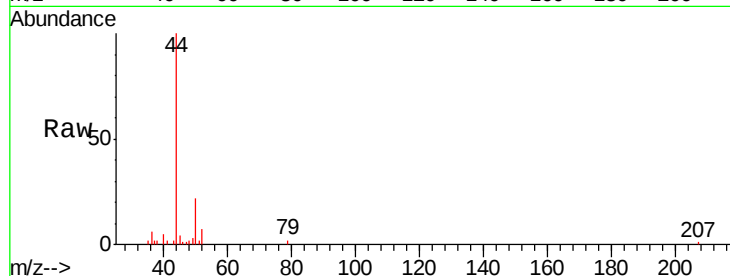
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 50 Resp: 1462

Ion Ratio Lower Upper

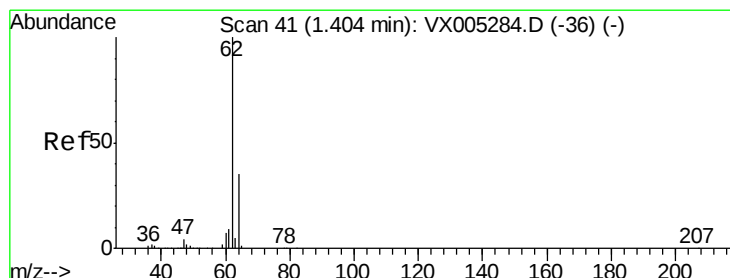
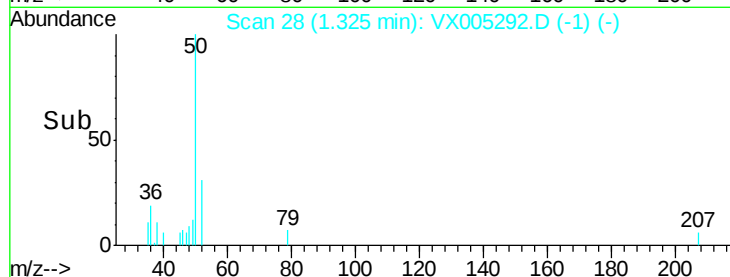
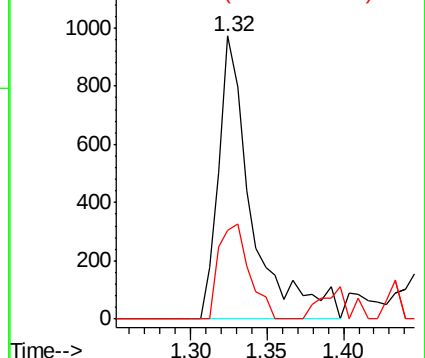
50 100

52 31.4 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 0.25 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005292.D

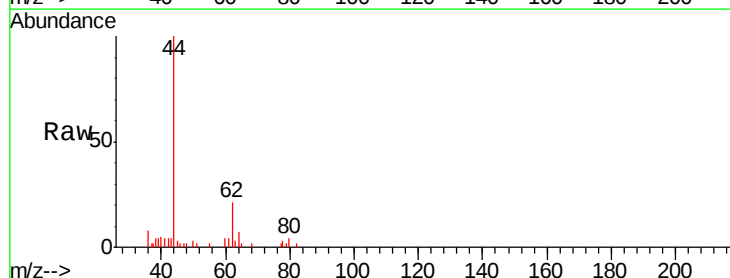
Acq: 12 Oct 2018 14:45

Tgt Ion: 62 Resp: 710

Ion Ratio Lower Upper

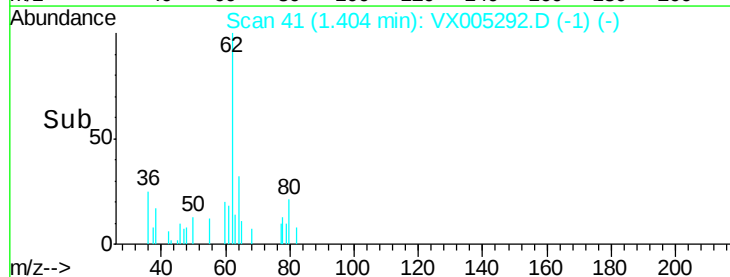
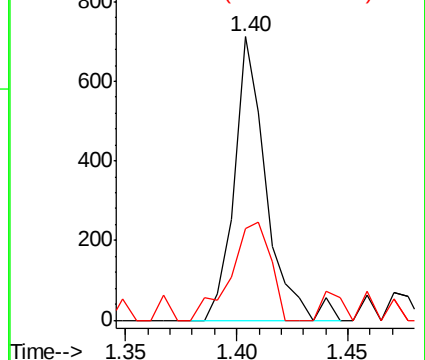
62 100

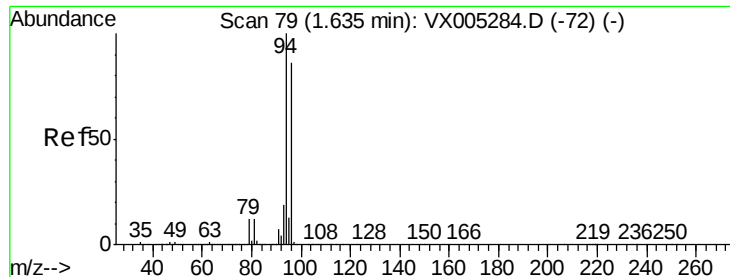
64 32.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 1.36 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

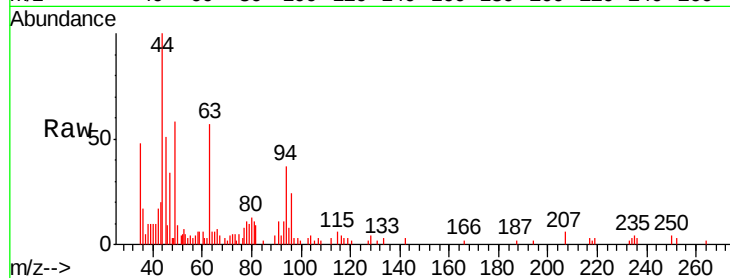
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 94 Resp: 1260

Ion Ratio Lower Upper

94 100

96 66.9 74.5 111.7#



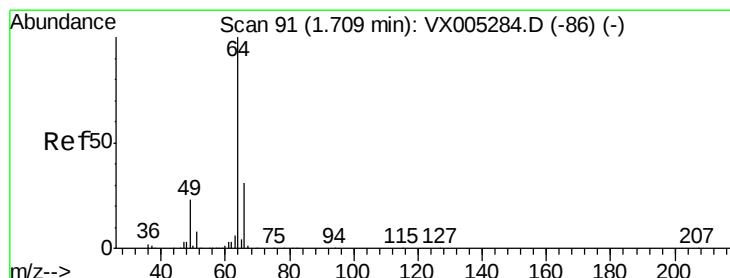
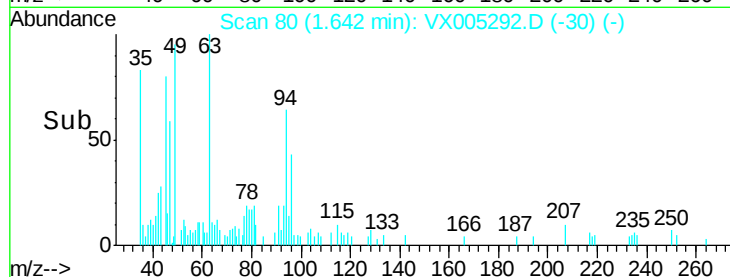
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 0.62 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005292.D

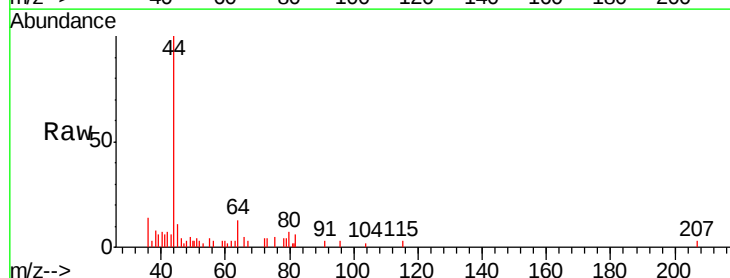
Acq: 12 Oct 2018 14:45

Tgt Ion: 64 Resp: 528

Ion Ratio Lower Upper

64 100

66 19.5 24.6 36.8#



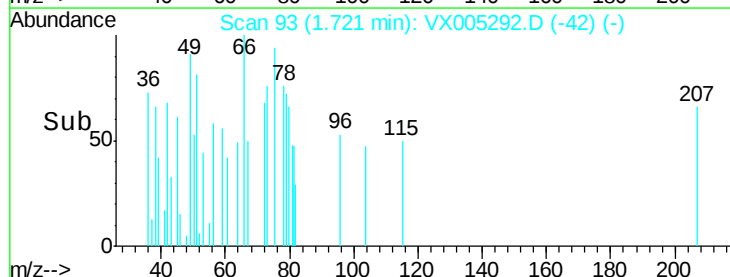
Abundance Ion 63.90 (63.60 to 64.60): VX0

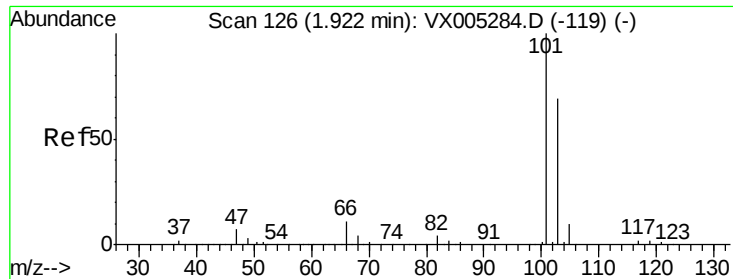
Ion 65.90 (65.60 to 66.60): VX0

1.72

1.70 1.75

Time-->





#7

Trichlorofluoromethane

Concen: 0.25 ug/l

RT: 1.93 min Scan# 127

Delta R.T. 0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

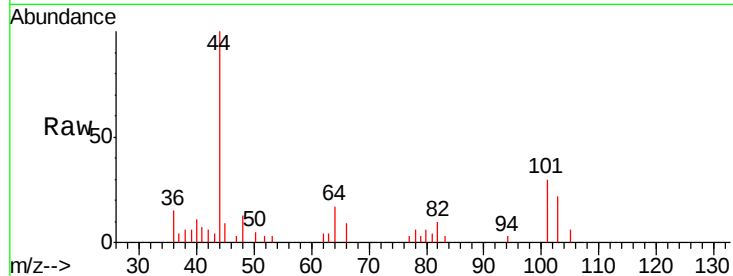
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:101 Resp: 948

Ion Ratio Lower Upper

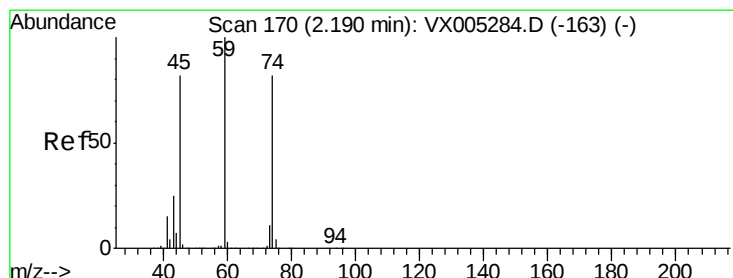
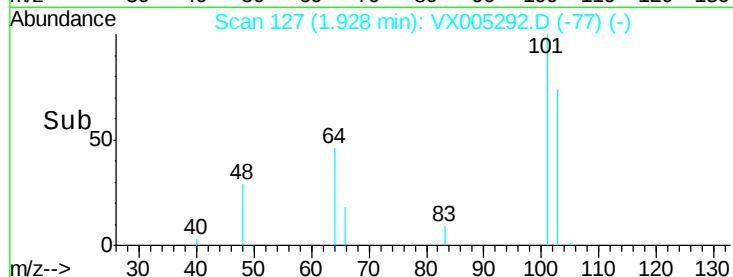
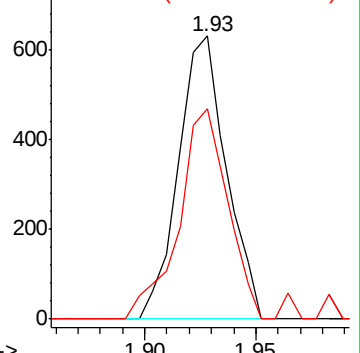
101 100

103 74.4 48.9 73.3#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 0.33 ug/l

RT: 2.18 min Scan# 169

Delta R.T. -0.01 min

Lab File: VX005292.D

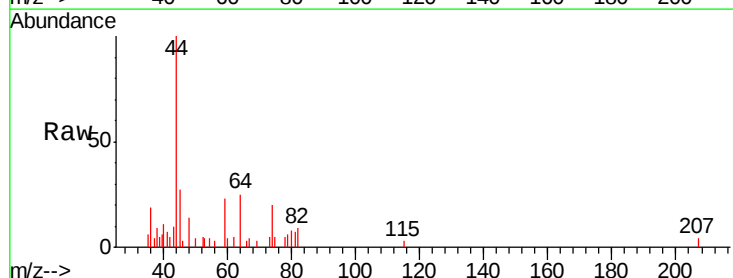
Acq: 12 Oct 2018 14:45

Tgt Ion: 74 Resp: 536

Ion Ratio Lower Upper

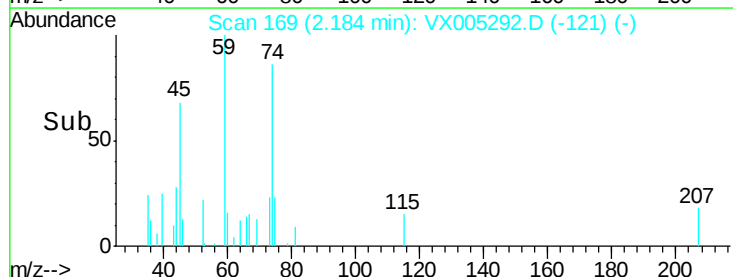
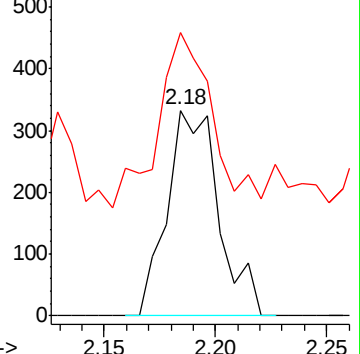
74 100

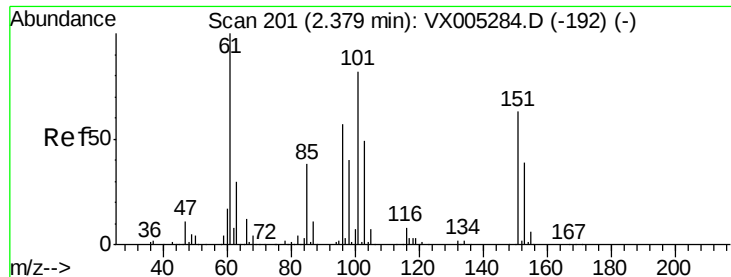
45 89.0 48.3 144.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.33 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

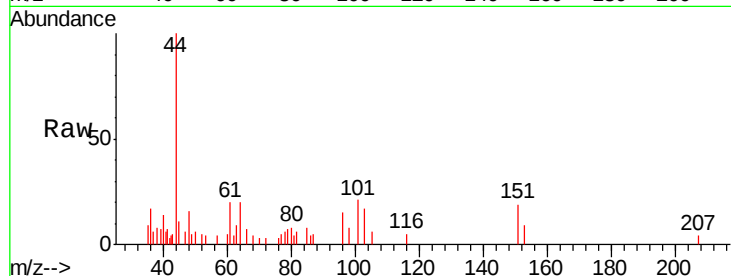
Tgt Ion:101 Resp: 717

Ion Ratio Lower Upper

101 100

85 58.2 34.2 51.4#

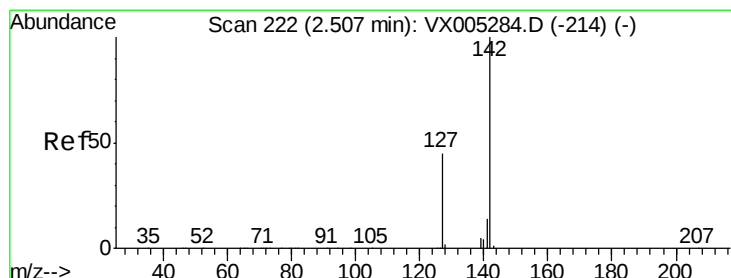
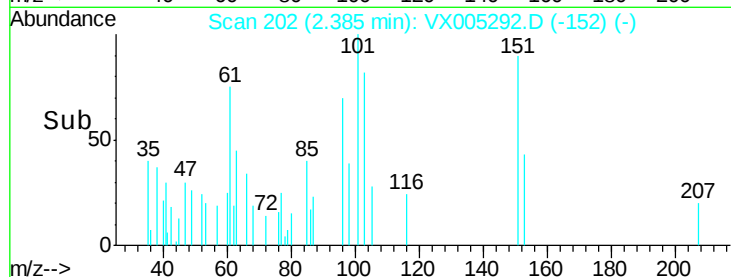
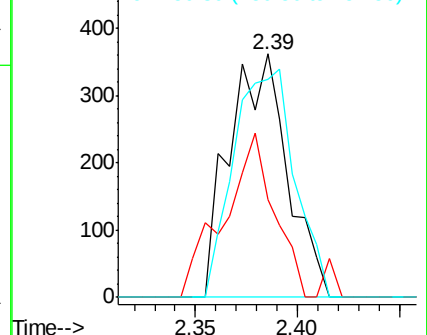
151 98.3 65.0 97.6#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 2.87 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

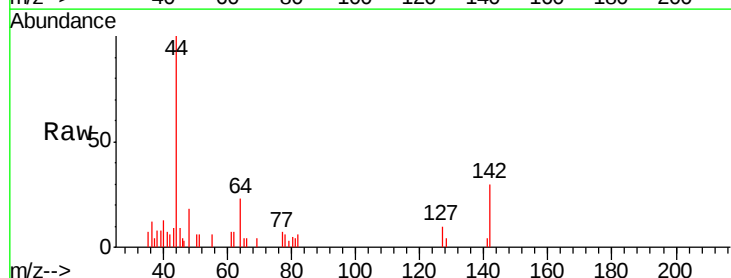
Tgt Ion:142 Resp: 974

Ion Ratio Lower Upper

142 100

127 43.5 33.8 50.6

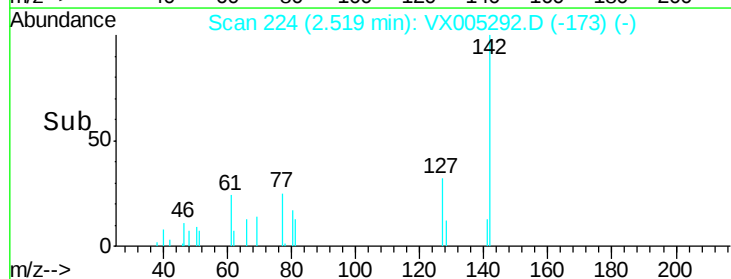
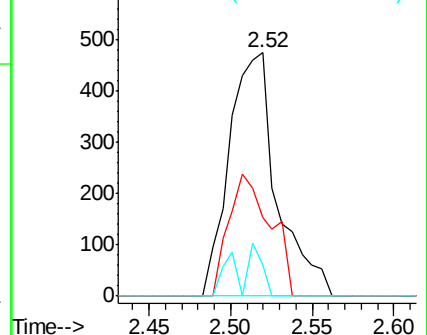
141 6.2 11.4 17.0#

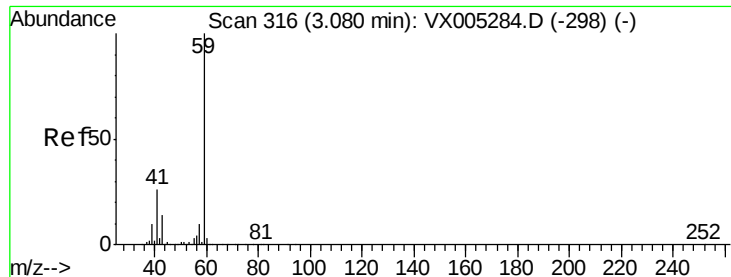


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 1.47 ug/l

RT: 3.07 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

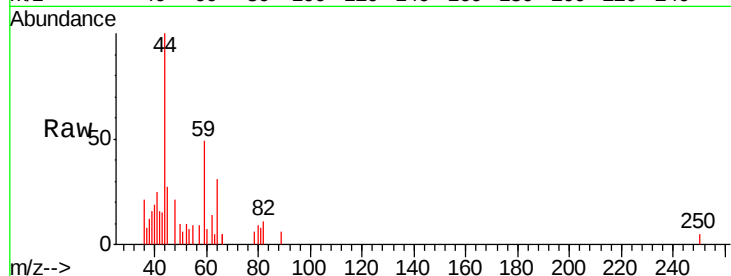
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 59 Resp: 1139

Ion Ratio Lower Upper

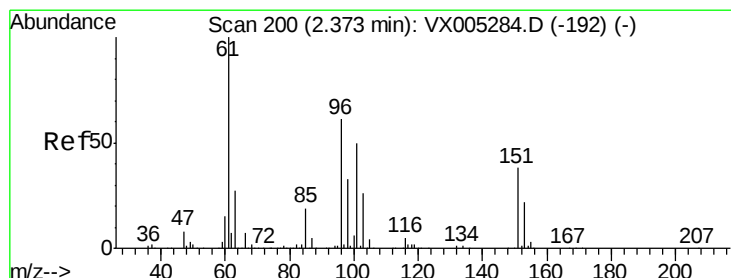
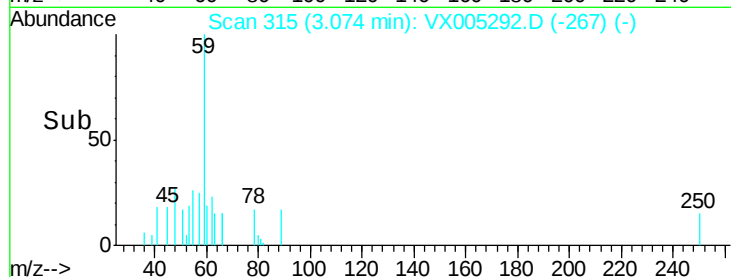
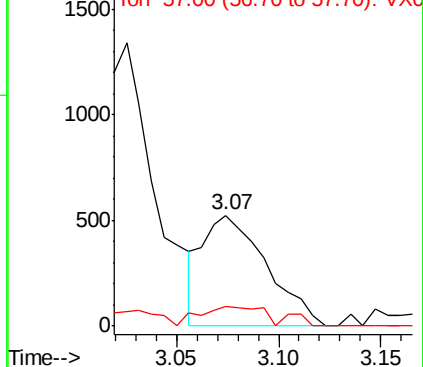
59 100

57 17.6 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#12

1,1-Dichloroethene

Concen: 0.34 ug/l

RT: 2.37 min Scan# 199

Delta R.T. -0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

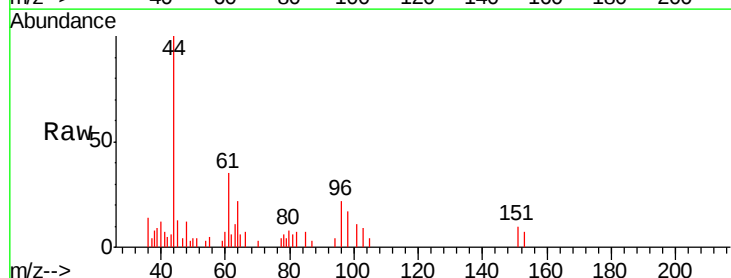
Tgt Ion: 96 Resp: 735

Ion Ratio Lower Upper

96 100

61 162.5 128.8 193.2

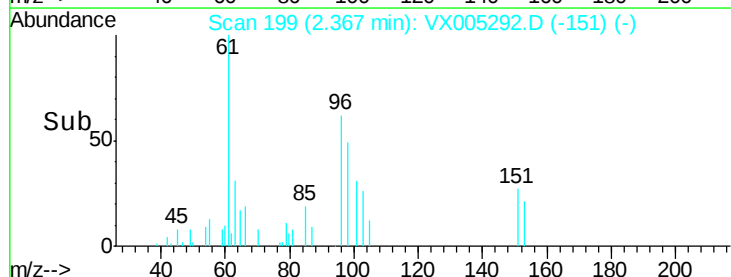
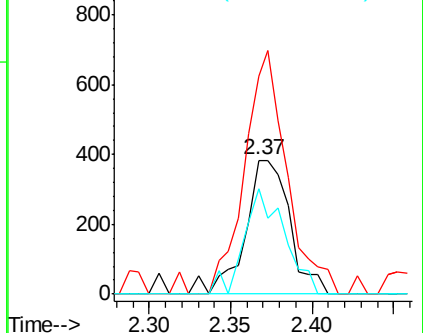
98 78.9 52.2 78.2#

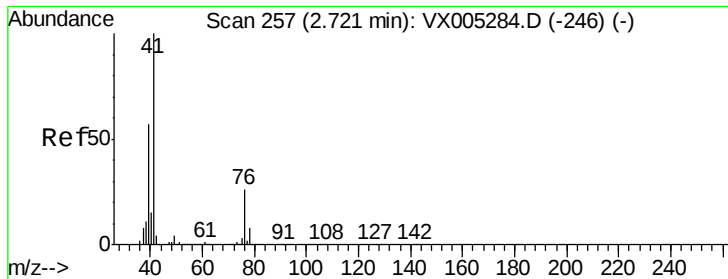


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#14

Allyl chloride

Concen: 0.25 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

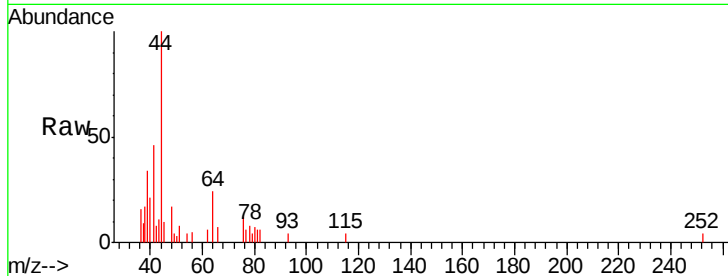
Tgt Ion: 41 Resp: 1196

Ion Ratio Lower Upper

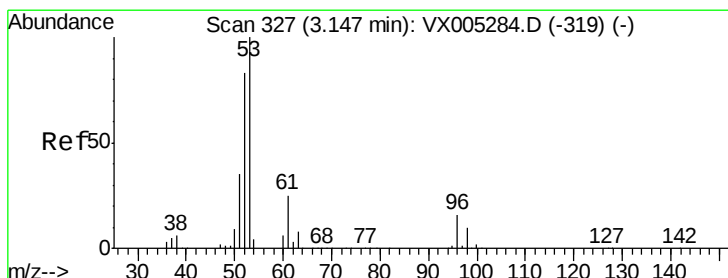
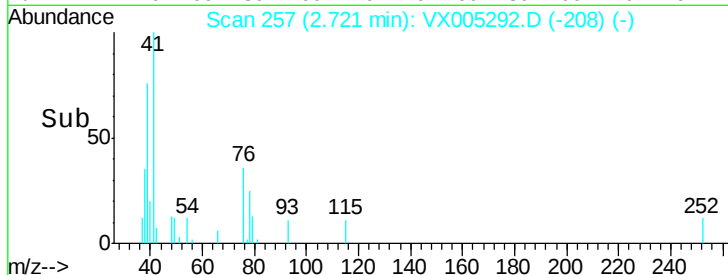
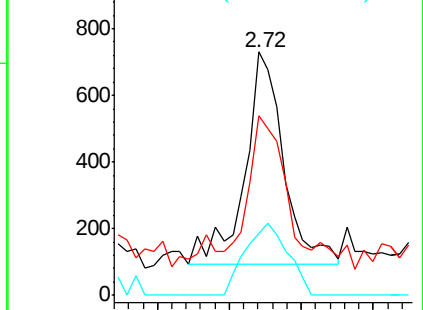
41 100

39 75.7 48.9 73.3#

76 37.1 26.7 40.1



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0



#15

Acrylonitrile

Concen: 1.52 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

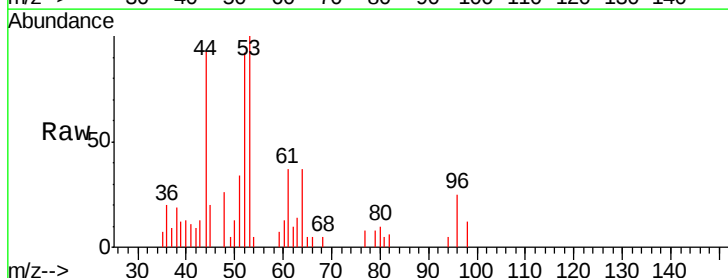
Tgt Ion: 53 Resp: 2666

Ion Ratio Lower Upper

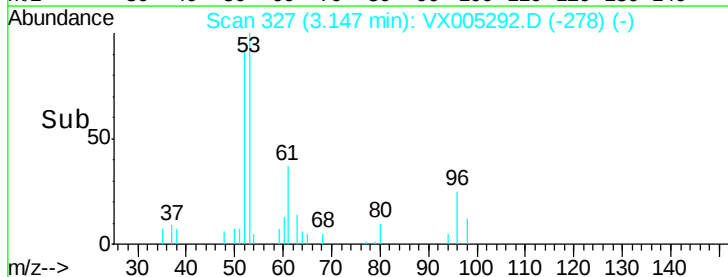
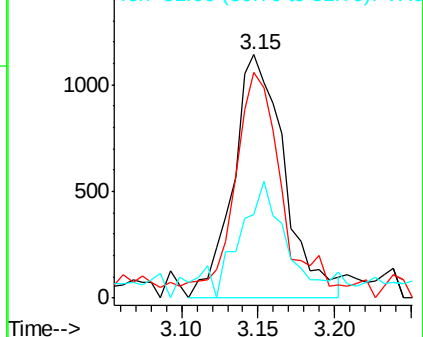
53 100

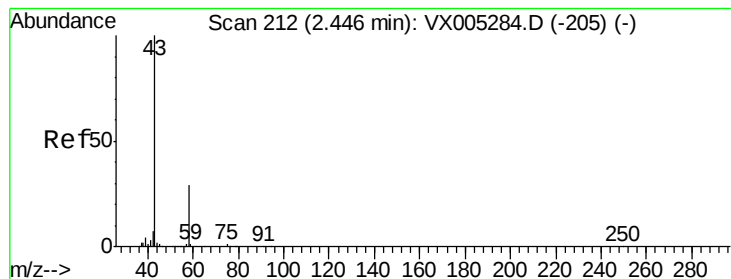
52 80.9 65.2 97.8

51 47.8 28.2 42.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 1.65 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

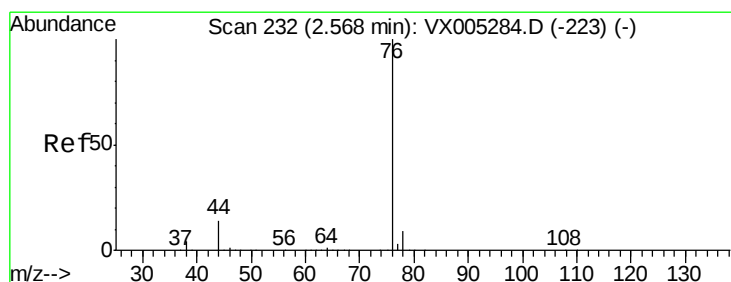
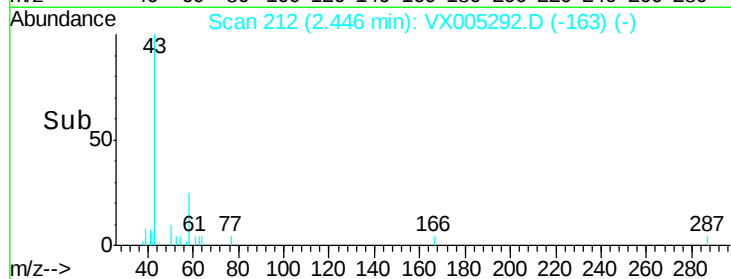
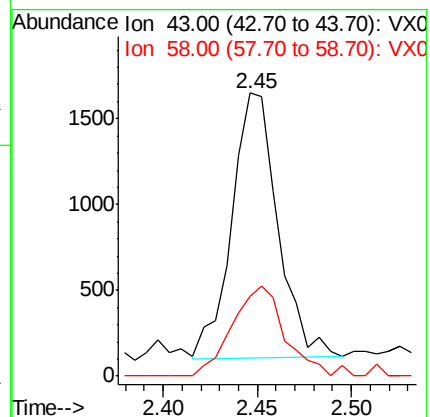
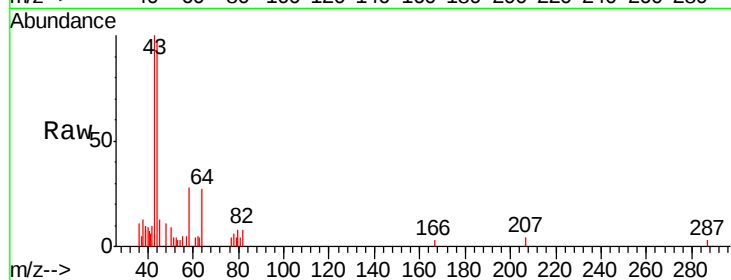
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 43 Resp: 2620

Ion Ratio Lower Upper

43 100

58 30.3 26.2 39.4



#17

Carbon Disulfide

Concen: 0.53 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX005292.D

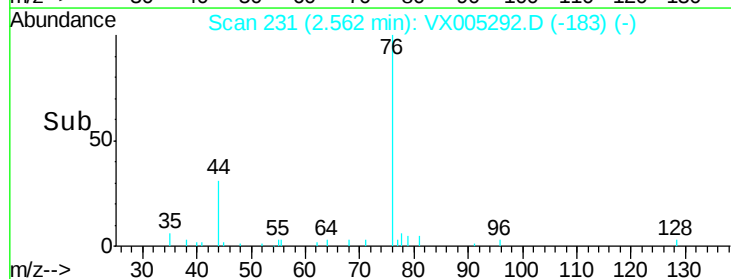
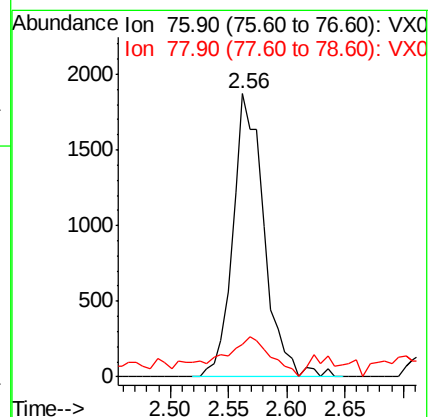
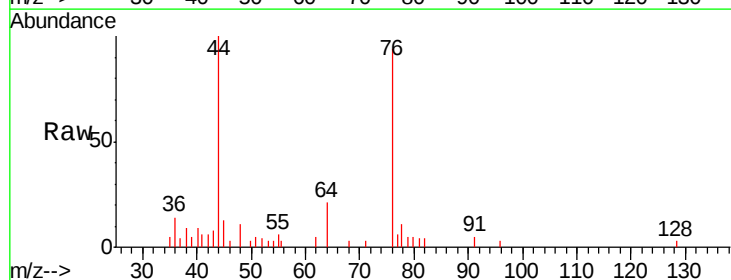
Acq: 12 Oct 2018 14:45

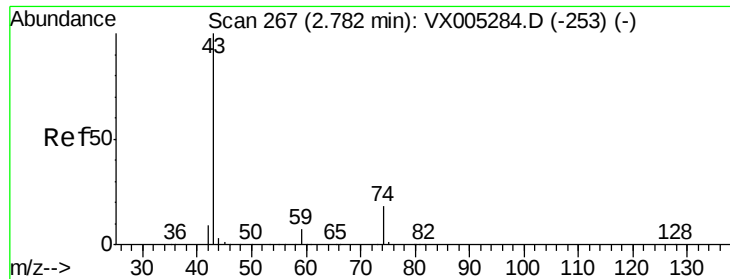
Tgt Ion: 76 Resp: 3487

Ion Ratio Lower Upper

76 100

78 7.1 7.0 10.6

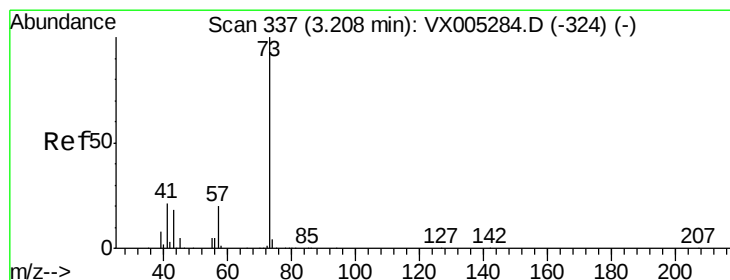
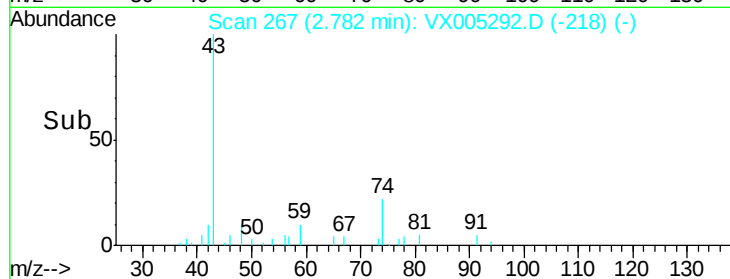
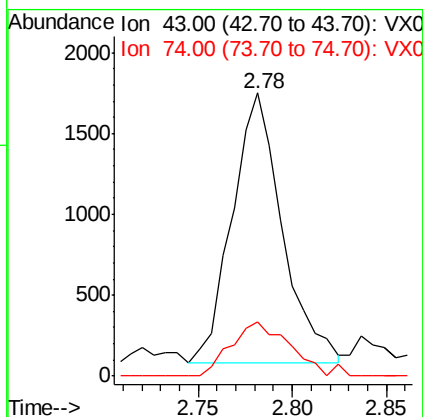
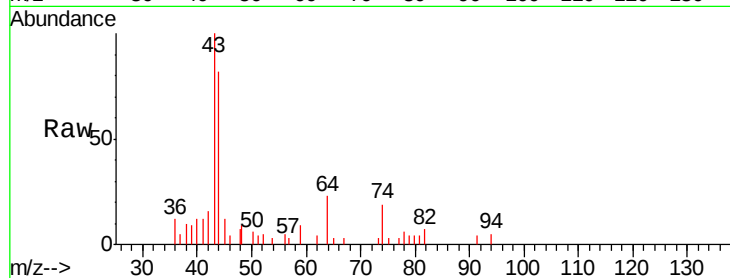




#18
Methyl Acetate
Concen: 0.68 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

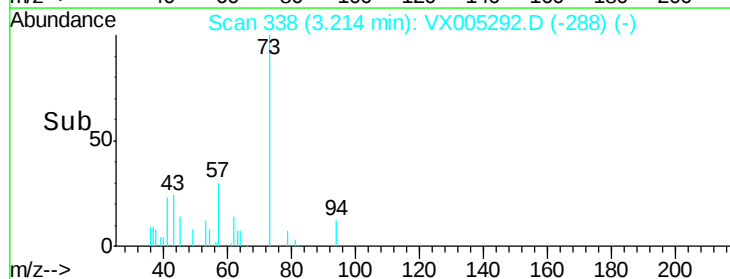
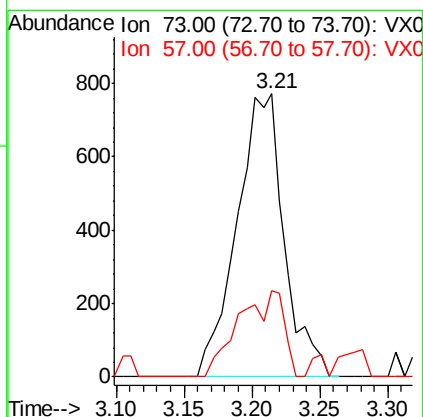
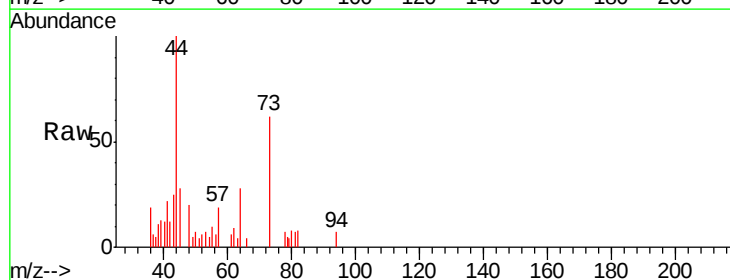
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

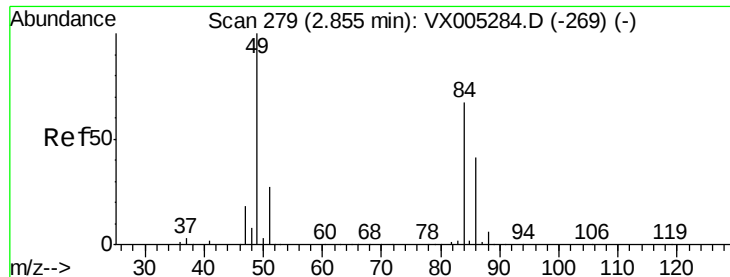
Tgt Ion: 43 Resp: 3092
Ion Ratio Lower Upper
43 100
74 23.8 19.4 29.2



#19
Methyl tert-butyl Ether
Concen: 0.25 ug/l
RT: 3.21 min Scan# 338
Delta R.T. 0.01 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

Tgt Ion: 73 Resp: 1882
Ion Ratio Lower Upper
73 100
57 30.4 17.1 25.7#

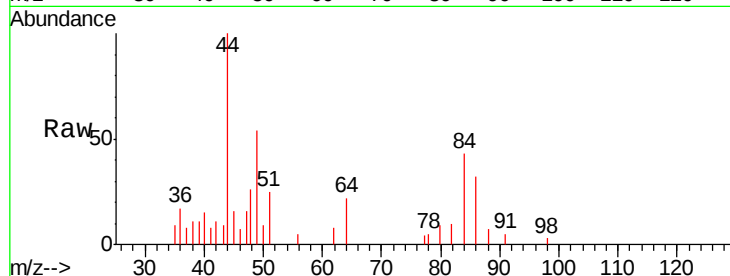




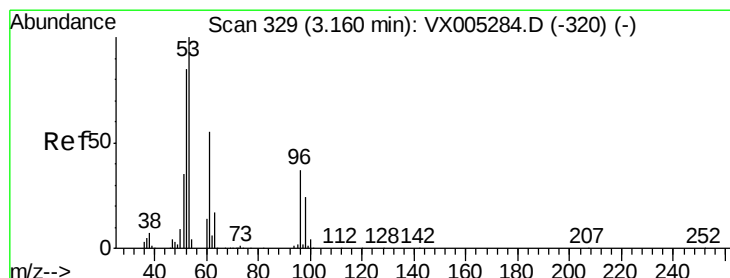
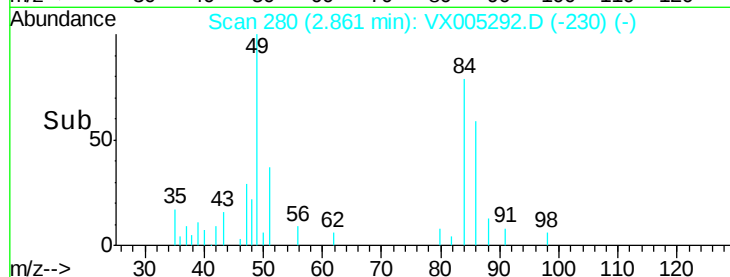
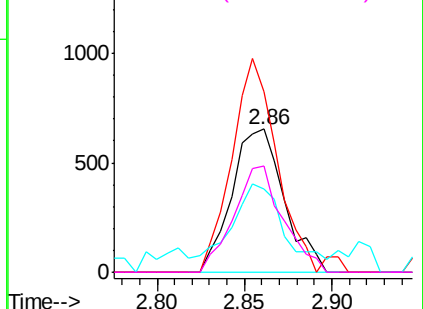
#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 84 Resp: 1365
Ion Ratio Lower Upper
84 100
49 126.5 101.2 151.8
51 47.9 29.5 44.3#
86 74.3 52.3 78.5

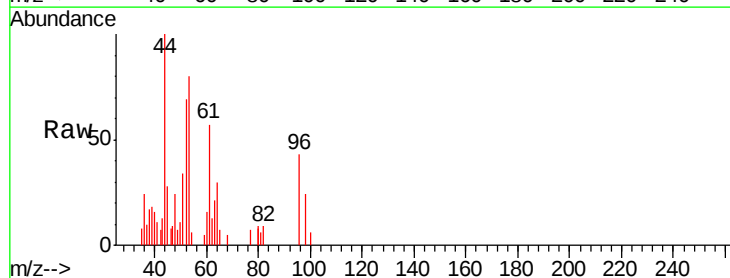


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

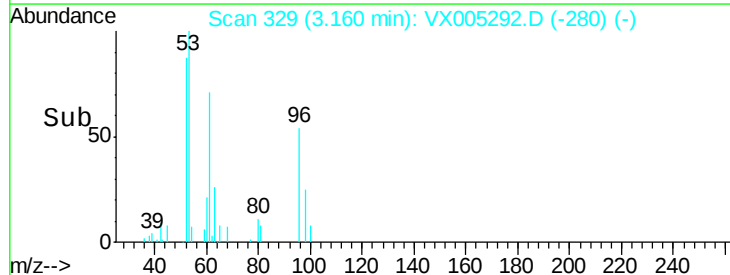
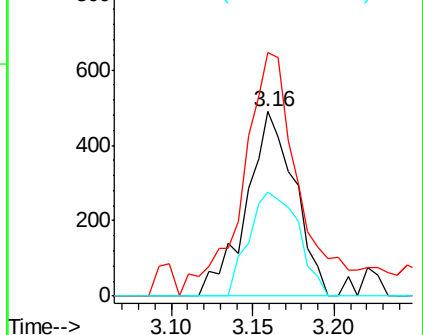


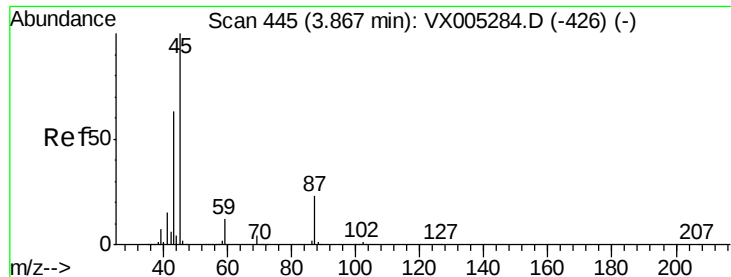
#21
trans-1,2-Dichloroethene
Concen: 0.42 ug/l
RT: 3.16 min Scan# 329
Delta R.T. -0.00 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

Tgt Ion: 96 Resp: 1013
Ion Ratio Lower Upper
96 100
61 120.0 113.8 170.6
98 56.4 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#22

Diisopropyl ether

Concen: 0.22 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

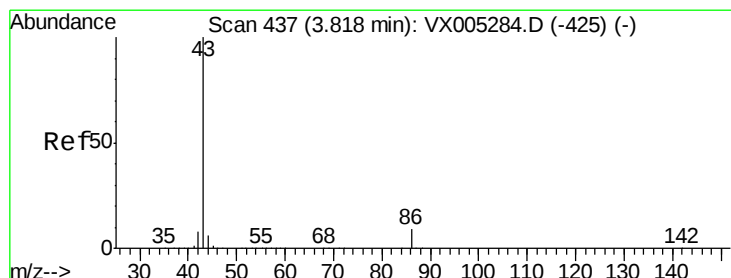
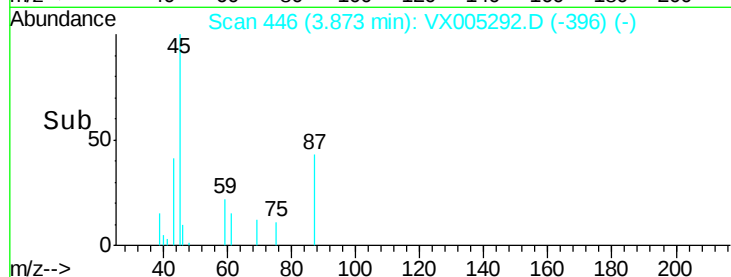
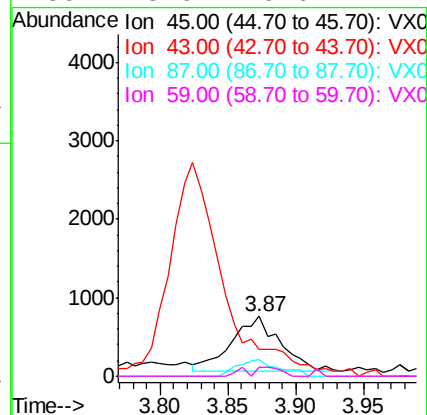
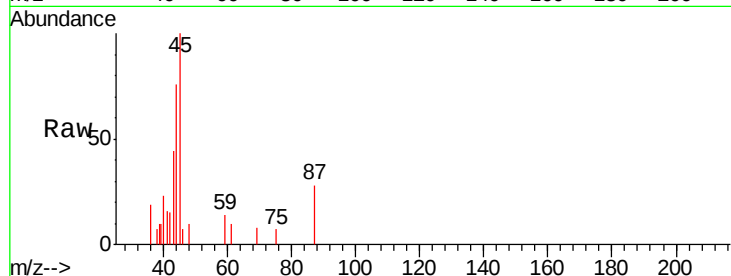
Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	45	Resp:	1767
Ion	Ratio	Lower	Upper
45	100		
43	38.2	42.8	64.2#
87	30.6	22.6	34.0
59	15.6	9.6	14.4#



#23

Vinyl Acetate

Concen: 1.09 ug/l

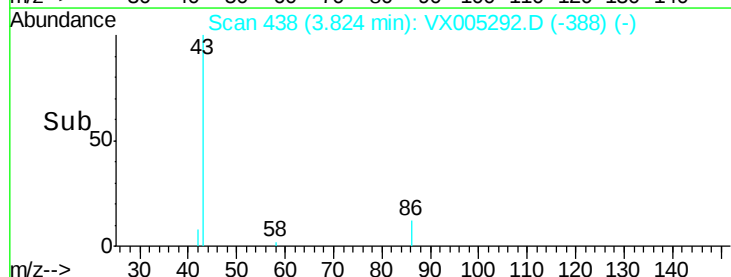
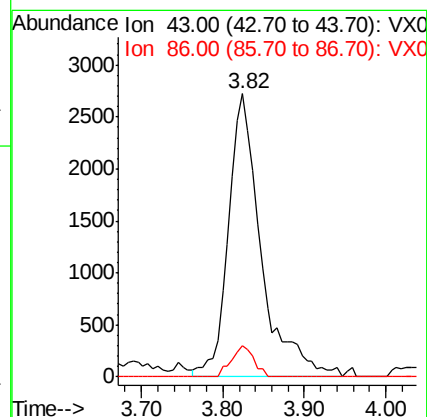
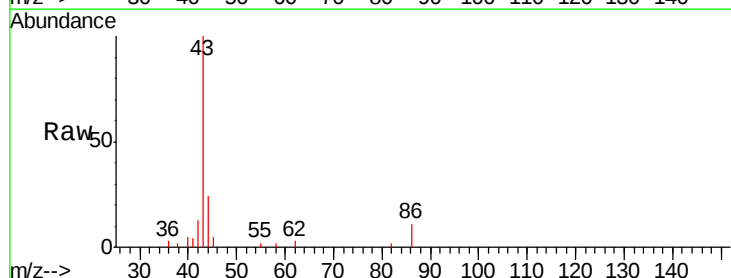
RT: 3.82 min Scan# 438

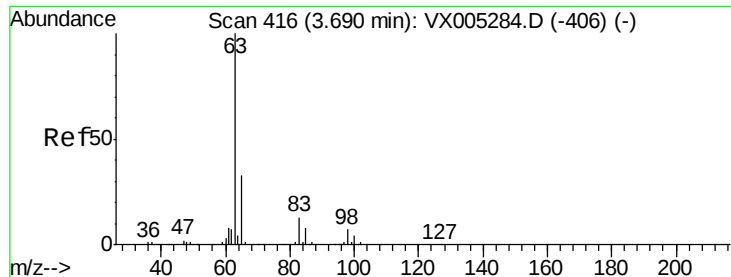
Delta R.T. 0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Tgt Ion:	43	Resp:	7584
Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.9	13.3





#24

1,1-Dichloroethane

Concen: 0.29 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

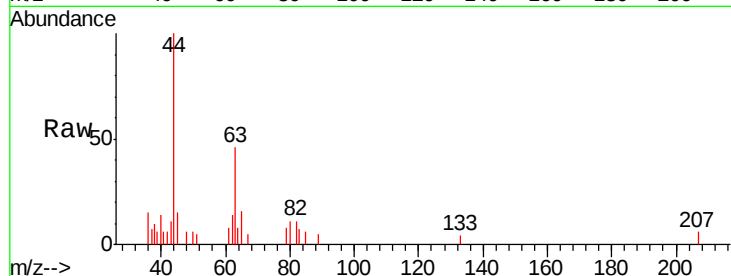
Tgt Ion: 63 Resp: 1335

Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.4#

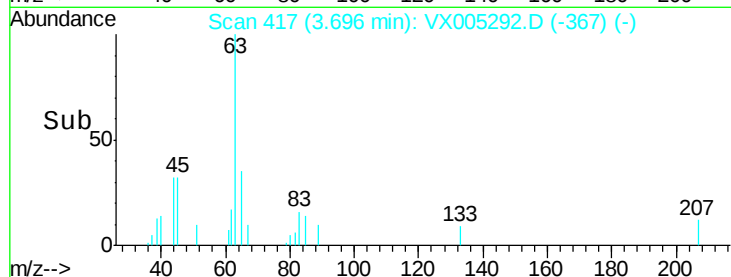
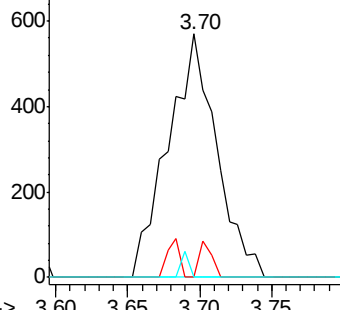
100 0.0 2.4 7.1#



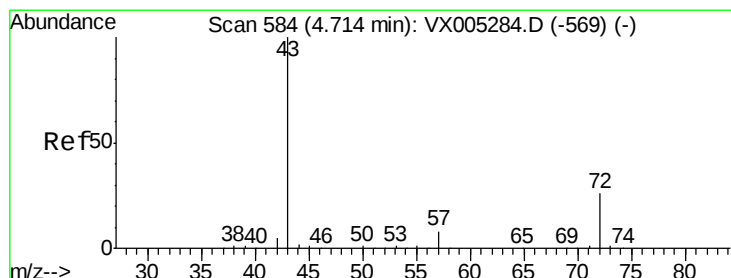
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->



#25

2-Butanone

Concen: 1.37 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.01 min

Lab File: VX005292.D

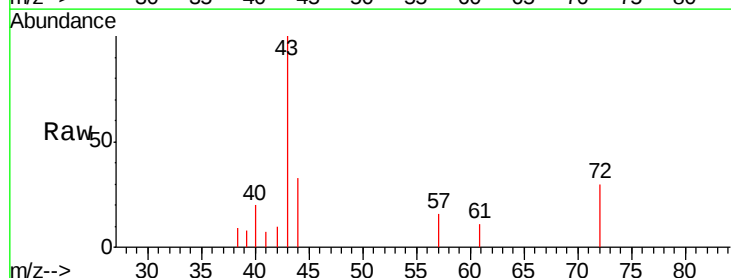
Acq: 12 Oct 2018 14:45

Tgt Ion: 43 Resp: 3180

Ion Ratio Lower Upper

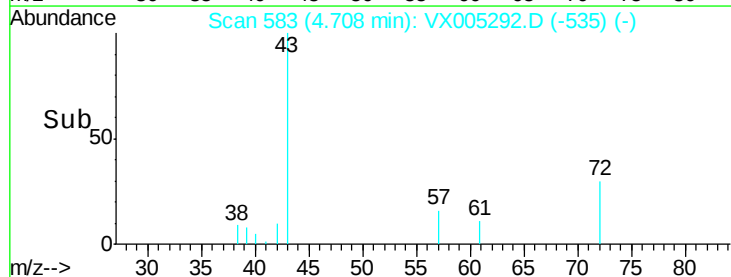
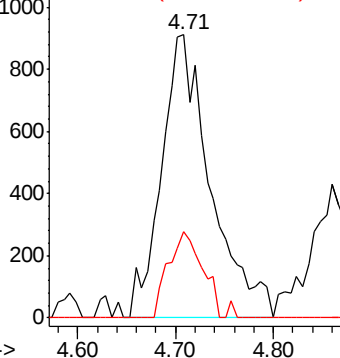
43 100

72 30.3 22.0 33.0

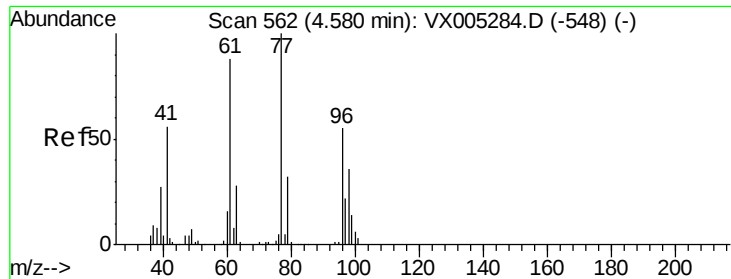


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#26

2,2-Dichloropropane

Concen: 0.24 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

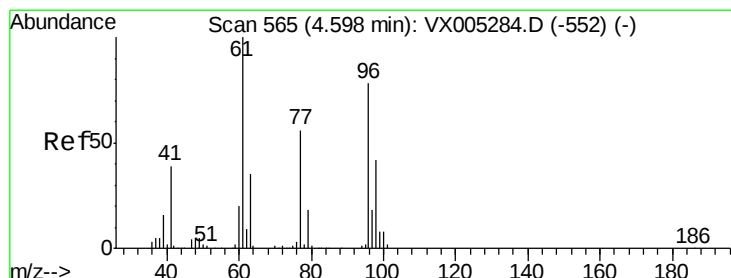
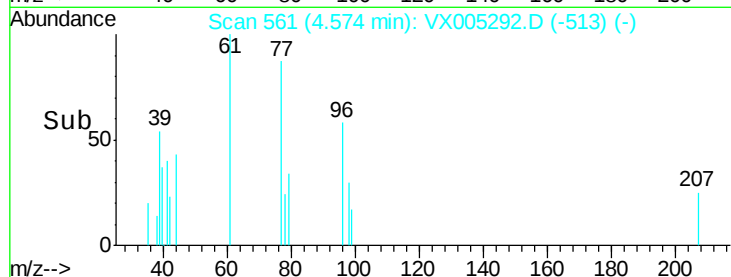
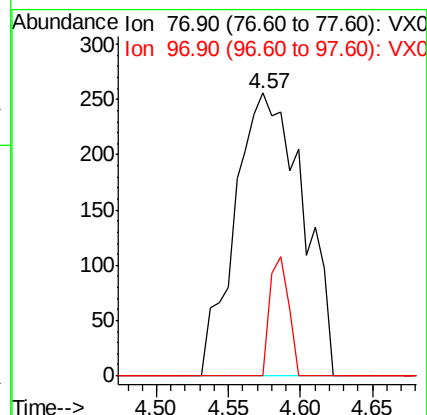
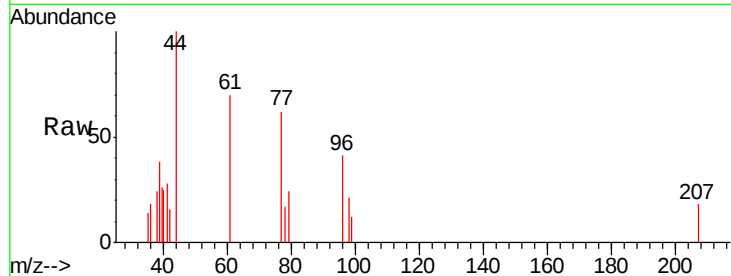
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 77 Resp: 836

Ion Ratio Lower Upper

77 100

97 11.4 11.7 35.0#



#27

cis-1,2-Dichloroethene

Concen: 0.26 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

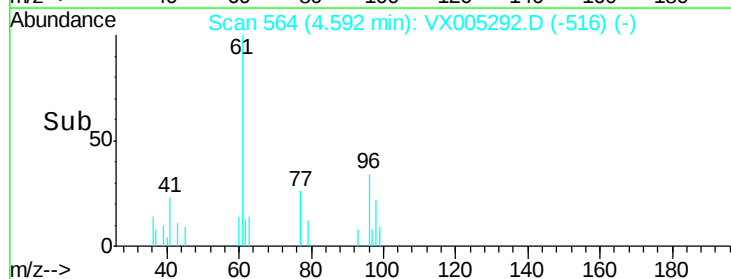
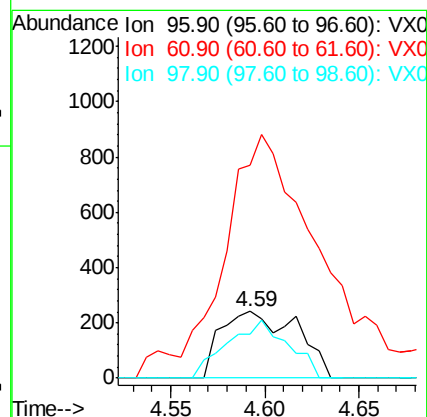
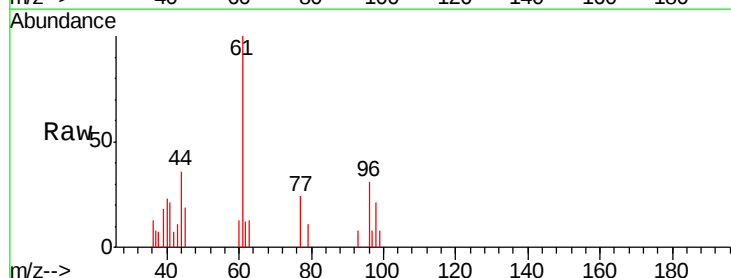
Tgt Ion: 96 Resp: 675

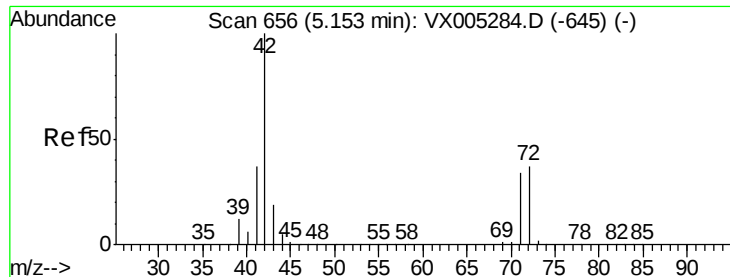
Ion Ratio Lower Upper

96 100

61 462.4 0.0 282.6#

98 69.2 0.0 130.2





#29

Tetrahydrofuran

Concen: 1.42 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

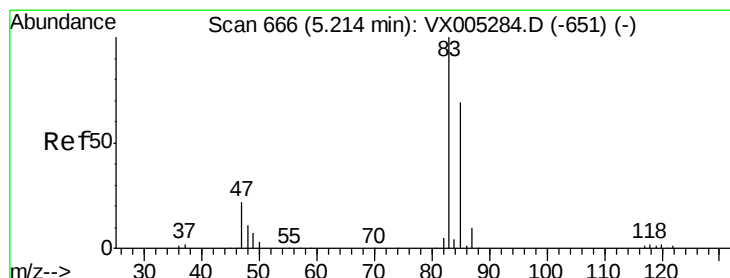
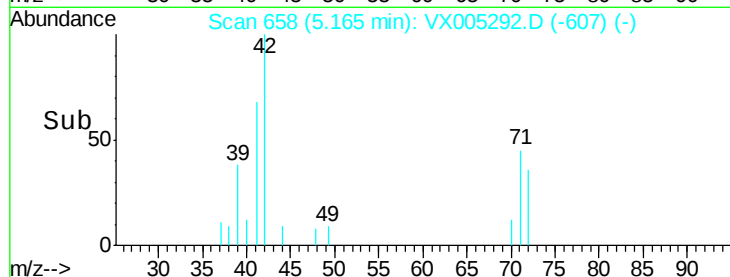
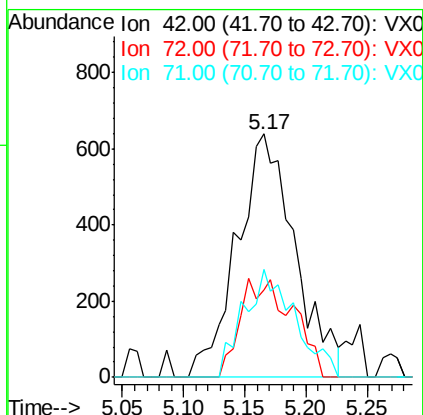
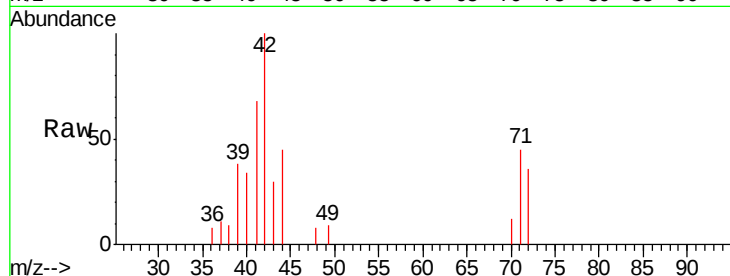
Tgt Ion: 42 Resp: 2105

Ion Ratio Lower Upper

42 100

72 36.8 37.4 56.0#

71 38.8 34.5 51.7



#30

Chloroform

Concen: 0.25 ug/l

RT: 5.20 min Scan# 663

Delta R.T. -0.02 min

Lab File: VX005292.D

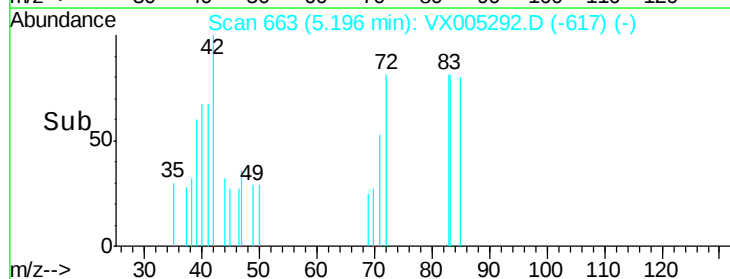
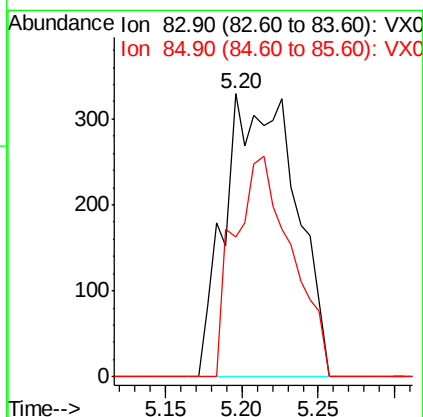
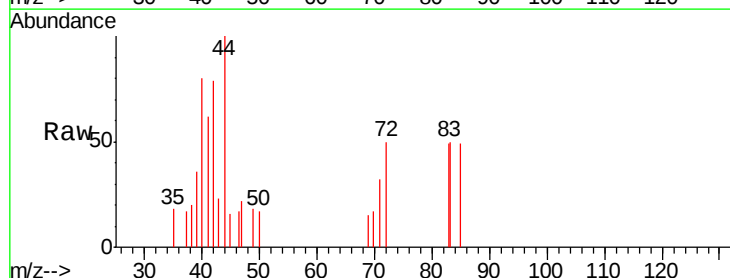
Acq: 12 Oct 2018 14:45

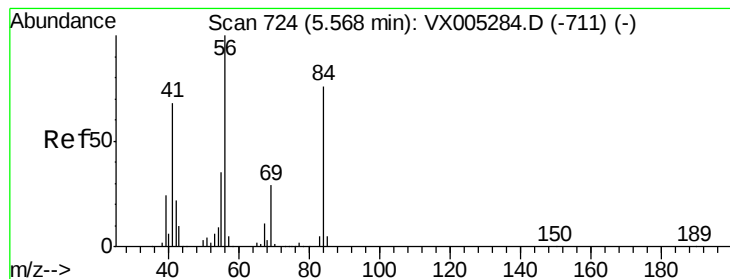
Tgt Ion: 83 Resp: 1052

Ion Ratio Lower Upper

83 100

85 49.5 52.6 79.0#





#31

Cyclohexane

Concen: 0.24 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.02 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

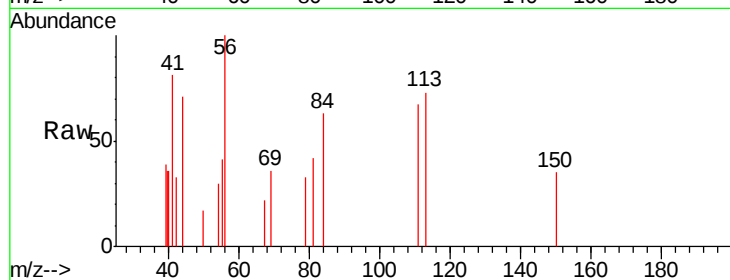
Tgt Ion: 56 Resp: 890

Ion Ratio Lower Upper

56 100

69 35.7 25.4 38.2

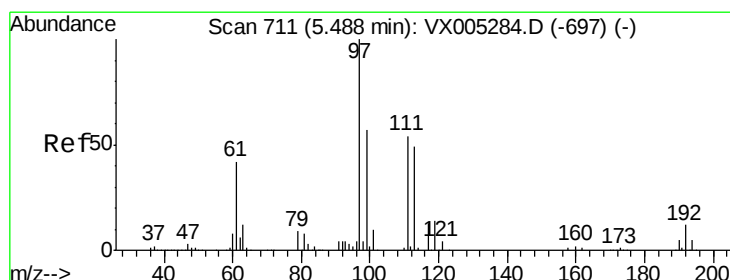
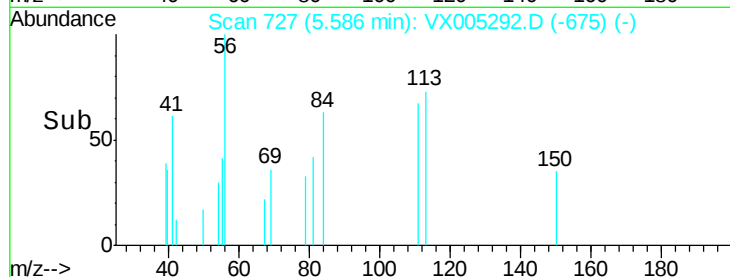
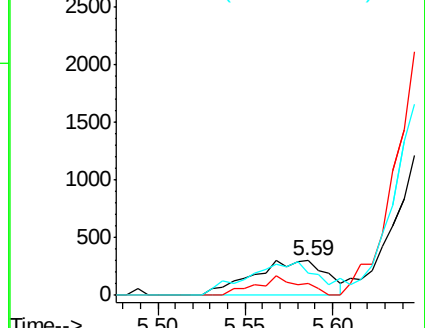
84 62.7 71.4 107.2#



Abundance Ion 56.00 (55.70 to 56.70): VX005292.D (-675) (-)

Ion 69.00 (68.70 to 69.70): VX005292.D (-675) (-)

Ion 84.00 (83.70 to 84.70): VX005292.D (-675) (-)



#32

1,1,1-Trichloroethane

Concen: 0.25 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

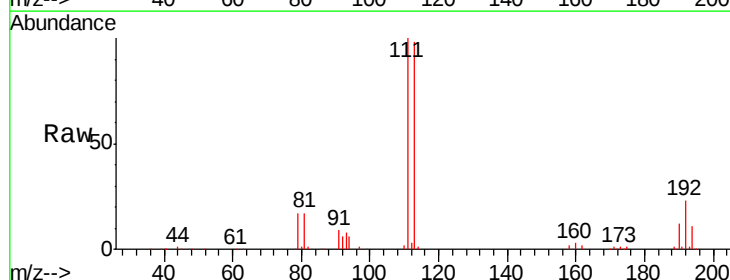
Tgt Ion: 97 Resp: 939

Ion Ratio Lower Upper

97 100

99 0.0 52.0 78.0#

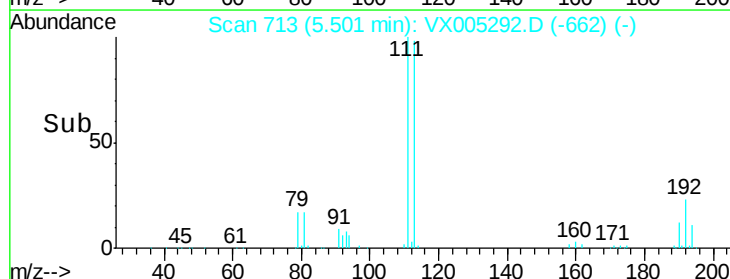
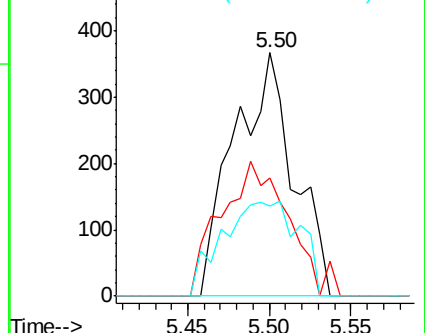
61 49.7 34.9 52.3

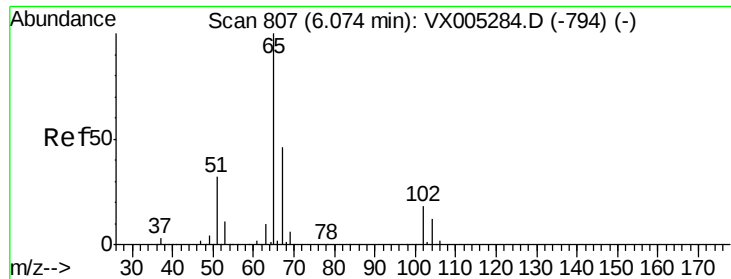


Abundance Ion 96.90 (96.60 to 97.60): VX005292.D (-662) (-)

Ion 98.90 (98.60 to 99.60): VX005292.D (-662) (-)

Ion 60.90 (60.60 to 61.60): VX005292.D (-662) (-)





#33

1,2-Dichloroethane-d4

Concen: 54.57 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

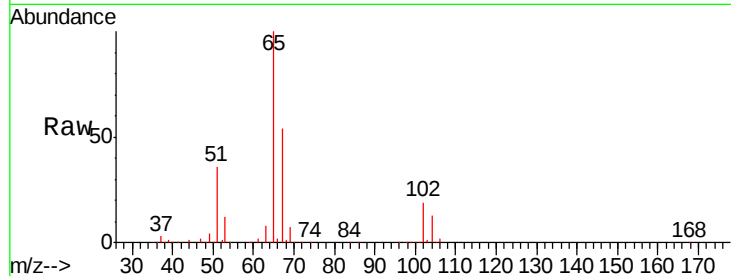
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 65 Resp: 149757

Ion Ratio Lower Upper

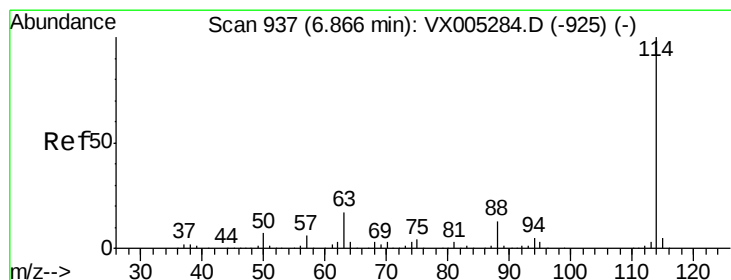
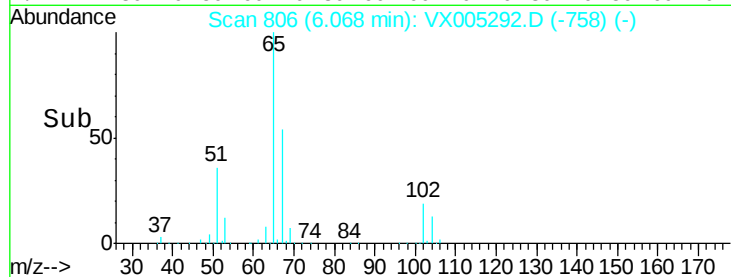
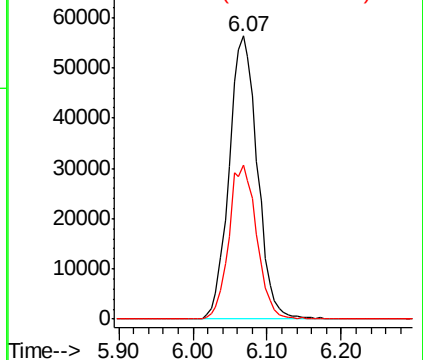
65 100

67 53.8 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

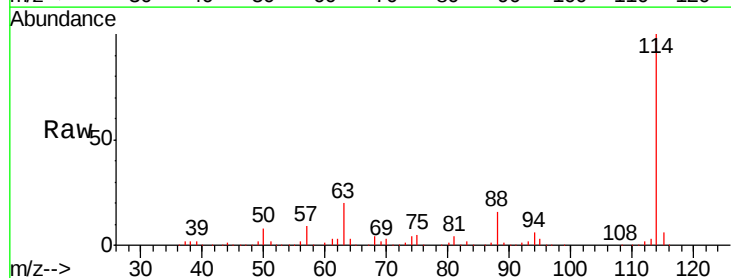
Tgt Ion: 114 Resp: 366807

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.0

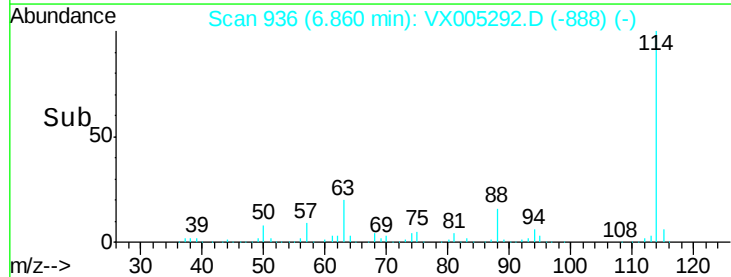
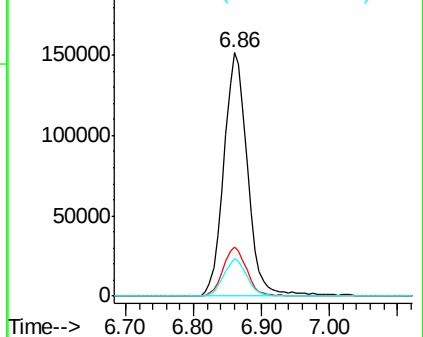
88 15.5 0.0 30.4

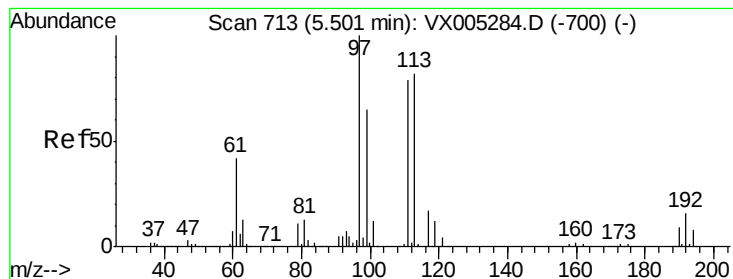


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.45 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

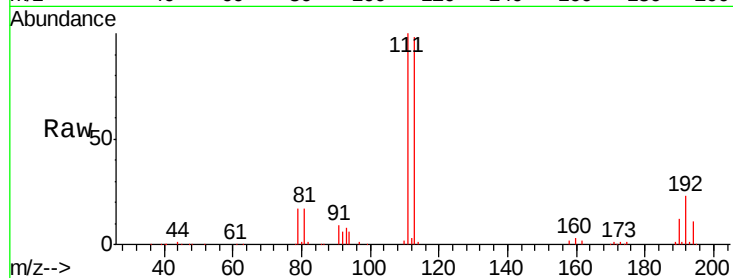
Tgt Ion:113 Resp: 117698

Ion Ratio Lower Upper

113 100

111 102.1 82.4 123.6

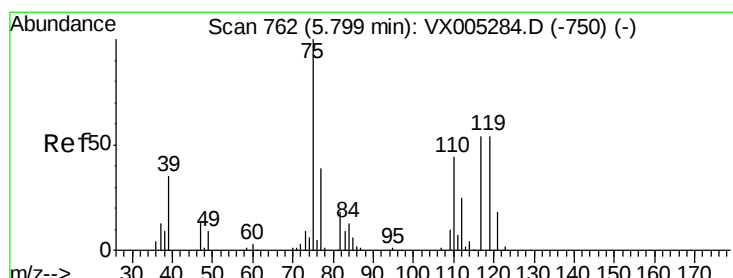
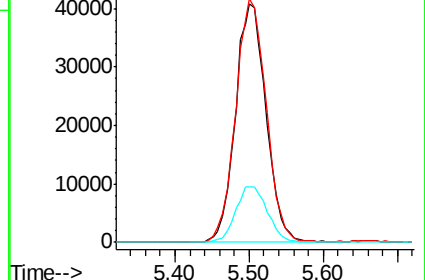
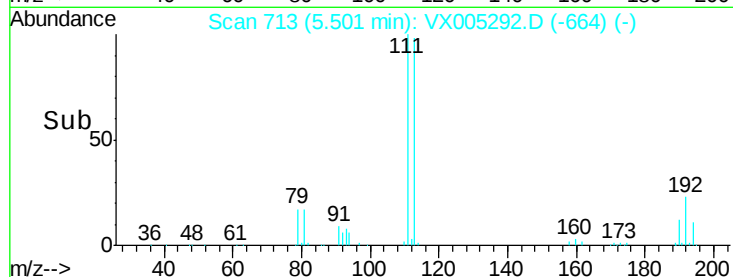
192 24.1 19.4 29.2



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: 0.36 ug/l

RT: 5.81 min Scan# 763

Delta R.T. 0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

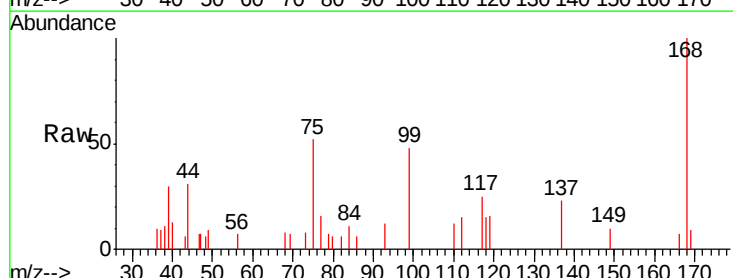
Tgt Ion: 75 Resp: 1262

Ion Ratio Lower Upper

75 100

110 34.3 18.0 54.0

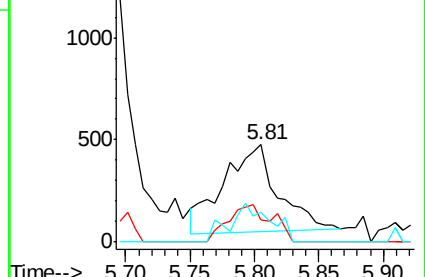
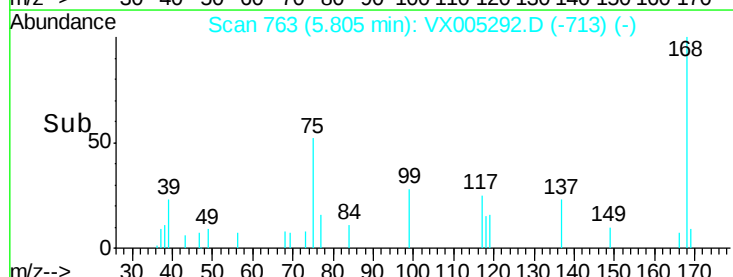
77 33.1 24.6 36.8

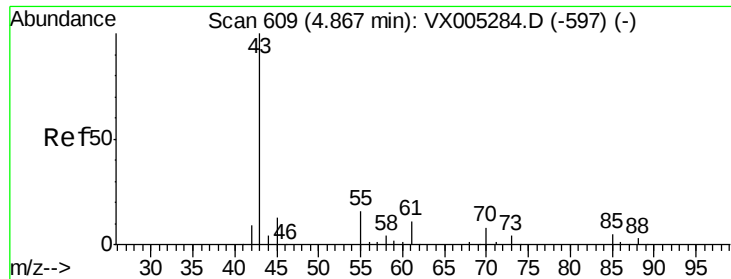


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 0.28 ug/l

RT: 4.86 min Scan# 608

Delta R.T. -0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

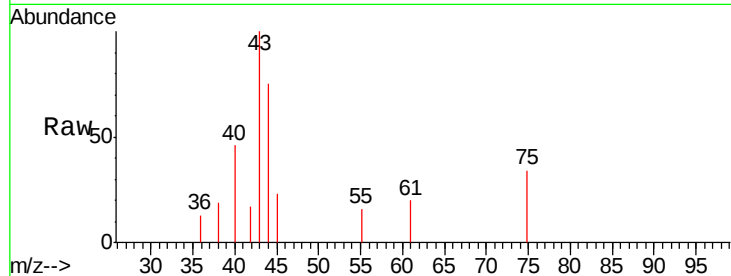
Tgt Ion: 43 Resp: 1271

Ion Ratio Lower Upper

43 100

61 11.2 11.5 17.3#

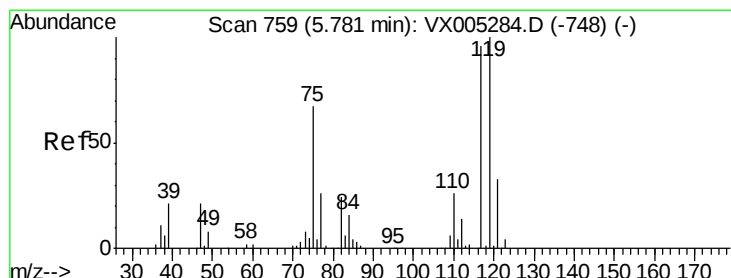
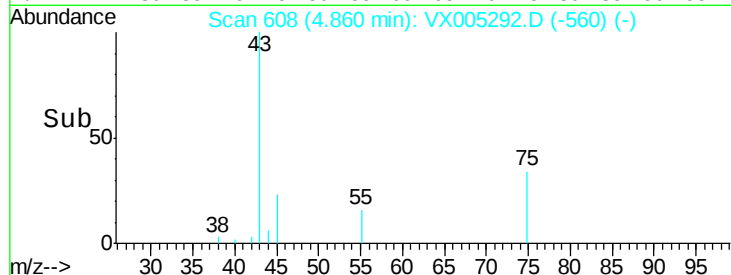
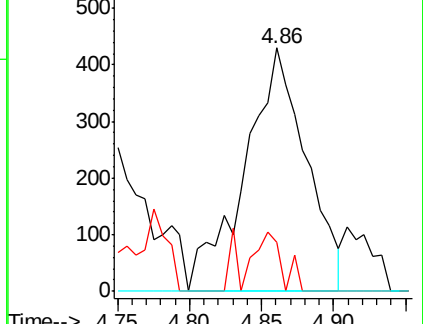
70 0.0 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VX005292.D (-560) (-)

Ion 60.90 (60.60 to 61.60): VX005292.D (-560) (-)

Ion 70.00 (69.70 to 70.70): VX005292.D (-560) (-)



#38

Carbon Tetrachloride

Concen: 0.32 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

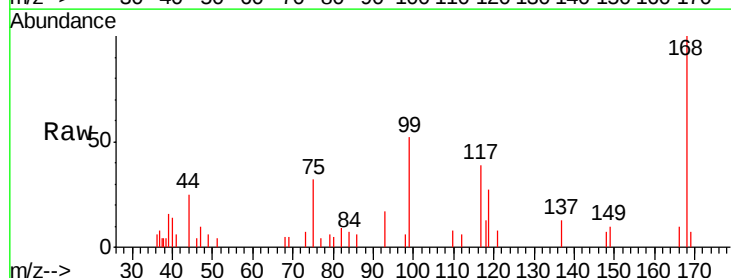
Tgt Ion: 117 Resp: 1156

Ion Ratio Lower Upper

117 100

119 78.0 78.8 118.2#

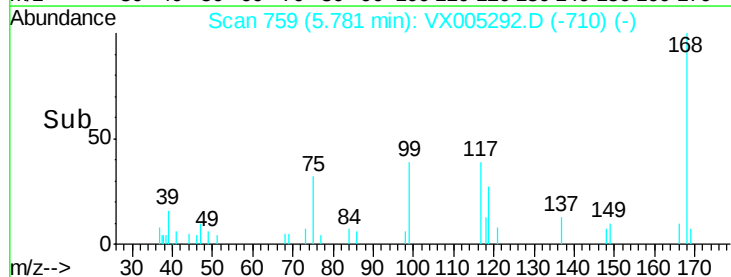
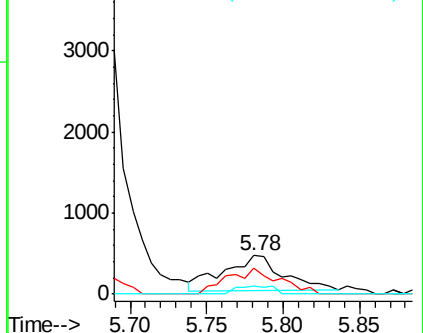
121 22.9 24.9 37.3#

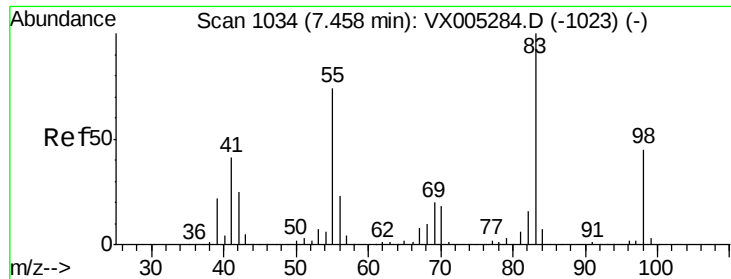


Abundance Ion 116.80 (116.50 to 117.50): VX005292.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX005292.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX005292.D (-710) (-)

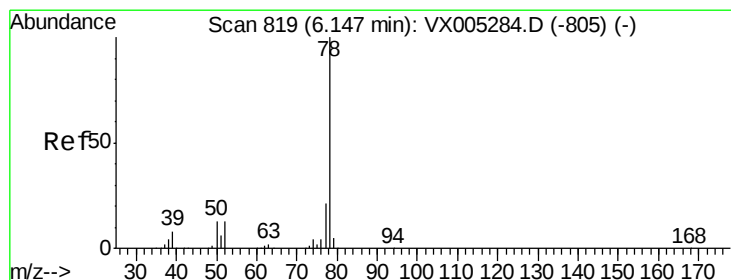
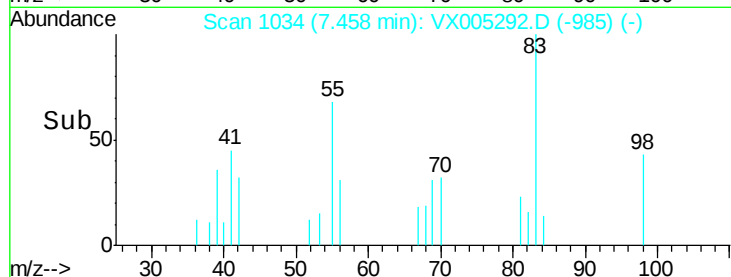
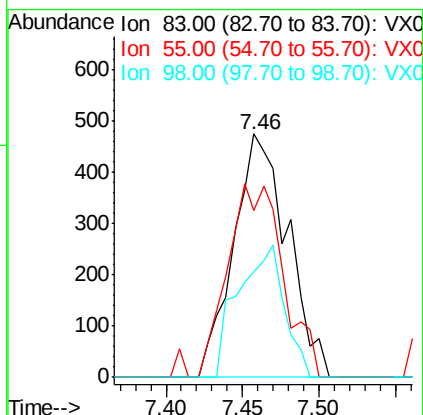
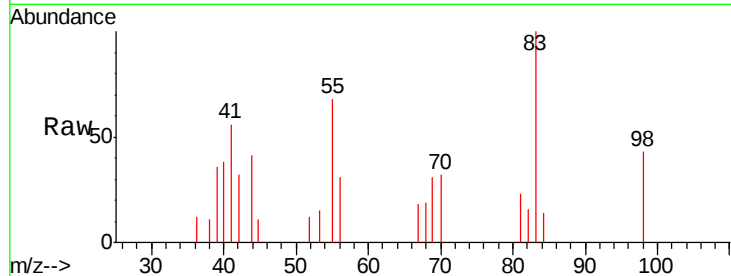




#39
Methylcyclohexane
Concen: 0.30 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

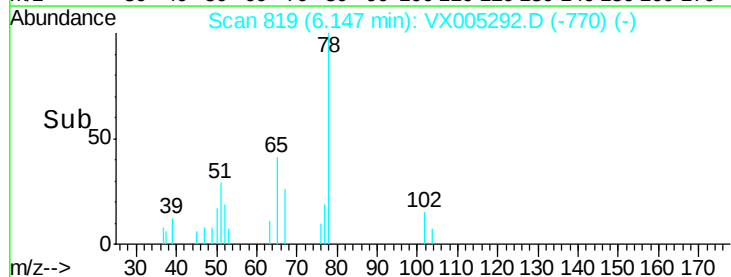
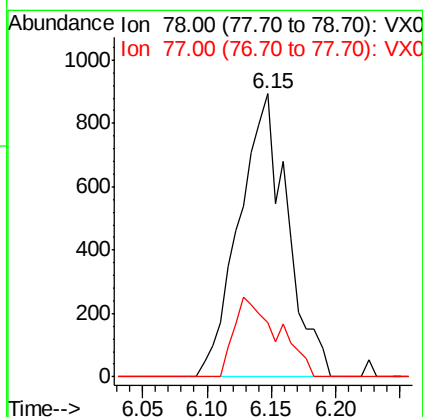
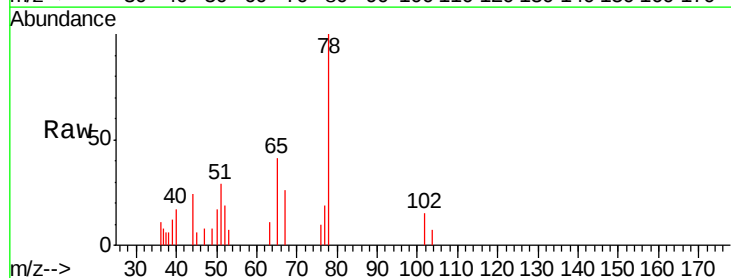
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

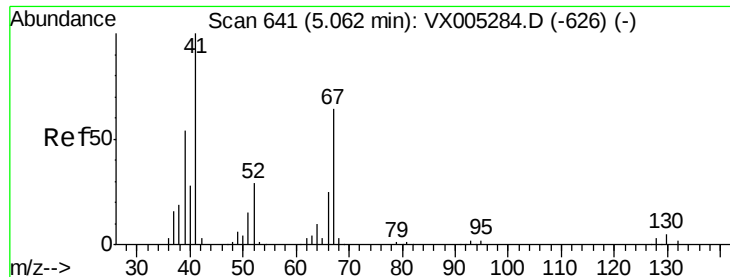
Tgt Ion: 83 Resp: 1165
Ion Ratio Lower Upper
83 100
55 68.4 61.0 91.4
98 43.2 39.6 59.4



#40
Benzene
Concen: 0.22 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

Tgt Ion: 78 Resp: 2317
Ion Ratio Lower Upper
78 100
77 19.4 19.0 28.4

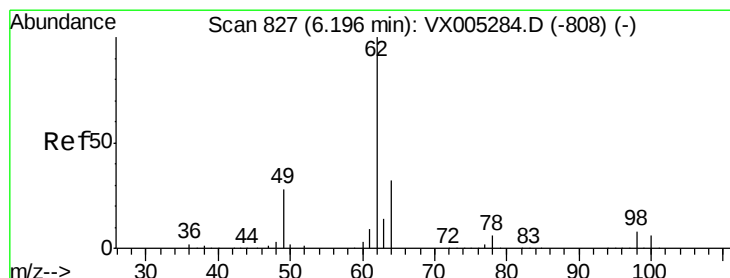
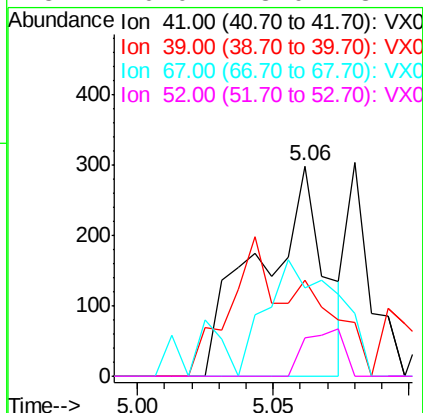
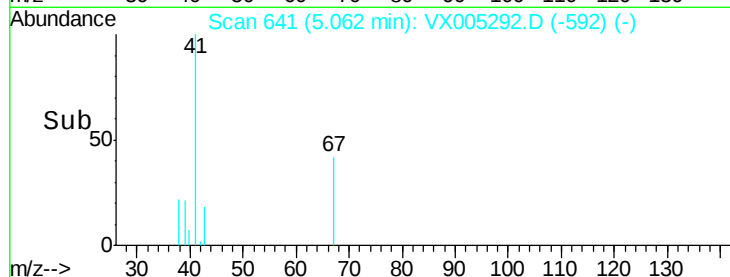
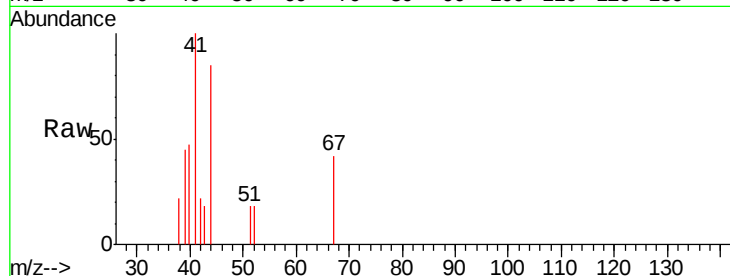




#41
Methacrylonitrile
Concen: 0.20 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

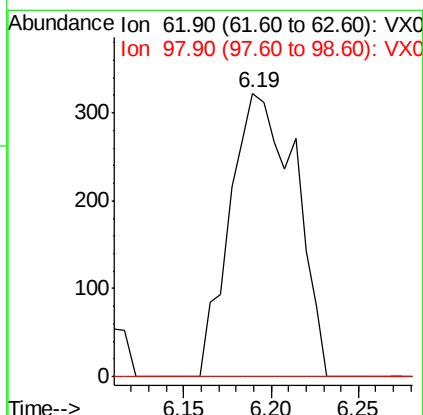
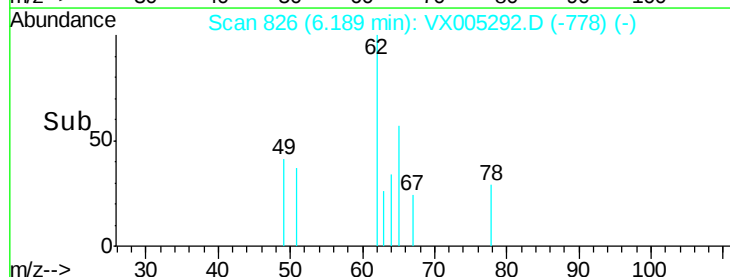
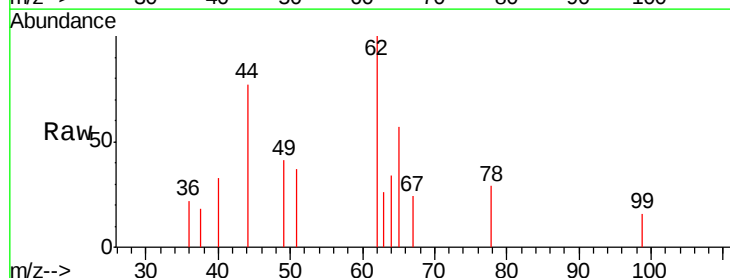
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

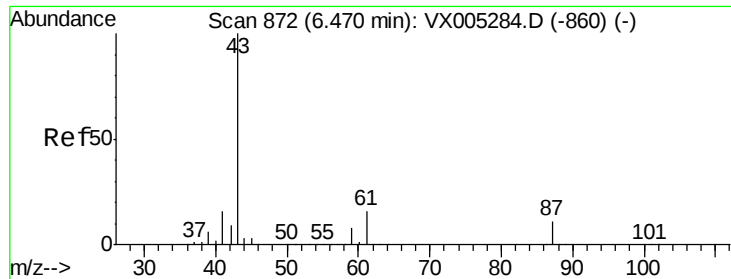
Tgt Ion:	41	Resp:	496
Ion	Ratio	Lower	Upper
41	100		
39	49.0	42.4	63.6
67	60.3	59.2	88.8
52	0.0	23.0	34.4#



#42
1,2-Dichloroethane
Concen: 0.22 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

Tgt Ion:	62	Resp:	838
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	20.6





#43

Isopropyl Acetate

Concen: 0.28 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

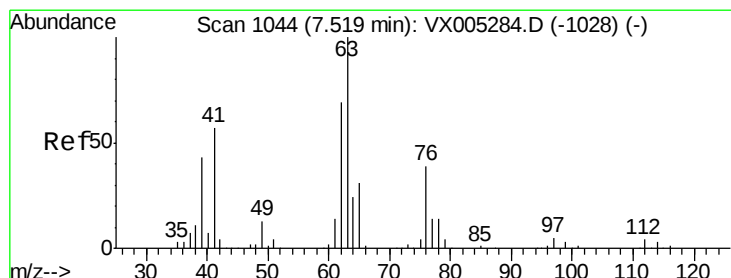
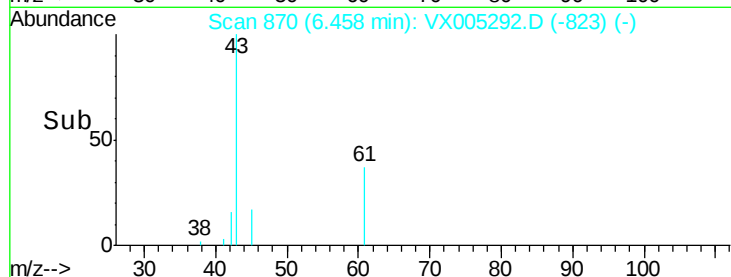
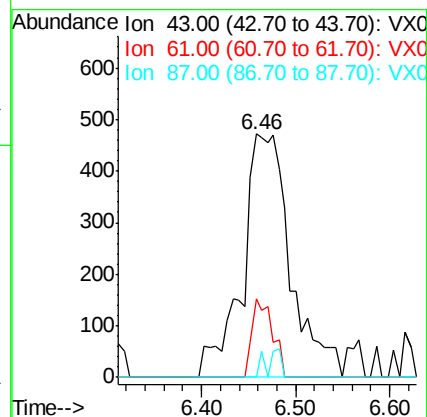
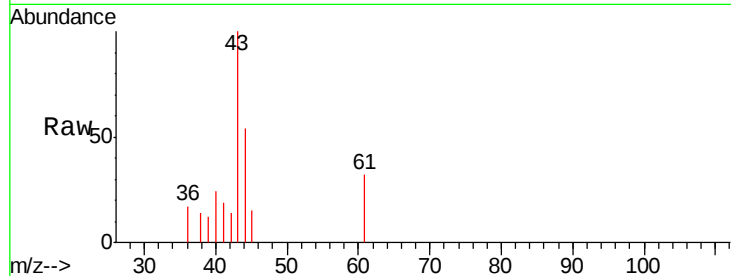
Tgt Ion: 43 Resp: 1689

Ion Ratio Lower Upper

43 100

61 13.6 17.0 25.4#

87 0.0 11.4 17.2#



#45

1,2-Dichloropropane

Concen: 0.25 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX005292.D

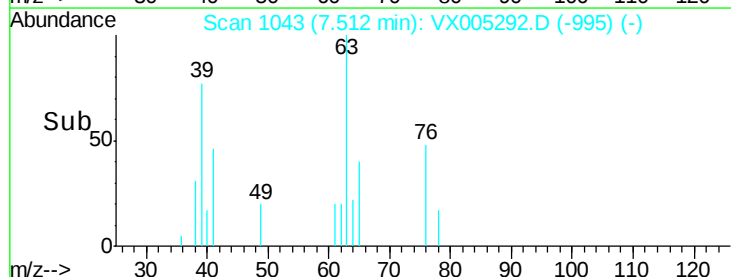
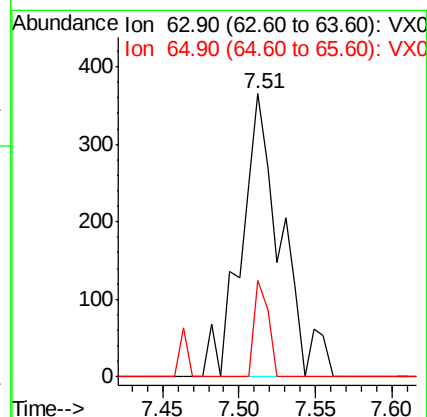
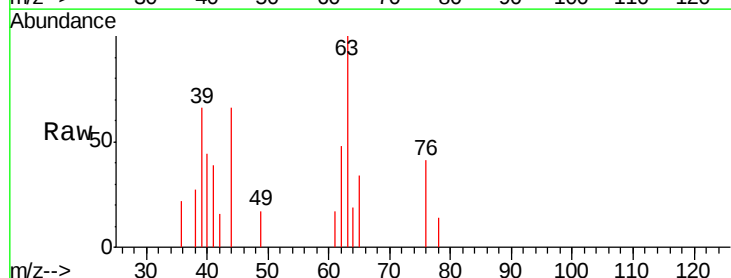
Acq: 12 Oct 2018 14:45

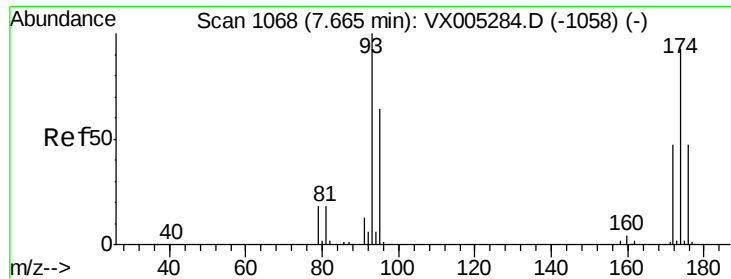
Tgt Ion: 63 Resp: 658

Ion Ratio Lower Upper

63 100

65 34.2 24.3 36.5





#46

Dibromomethane

Concen: 0.27 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

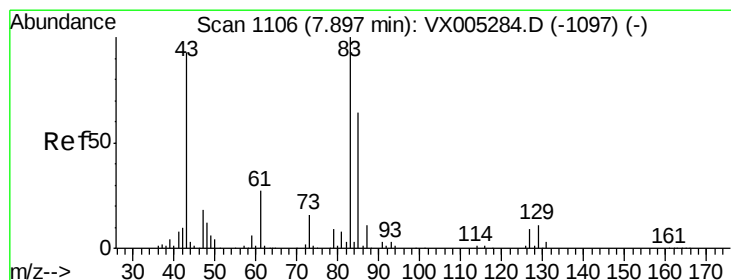
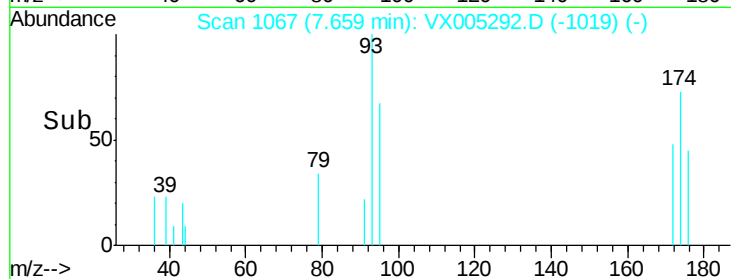
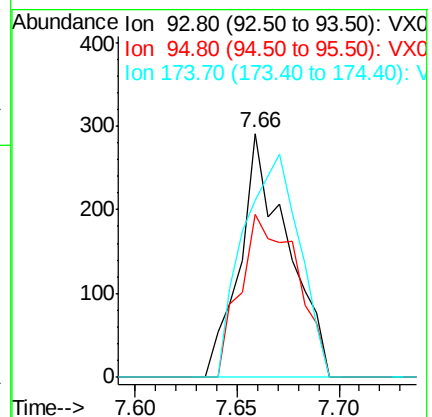
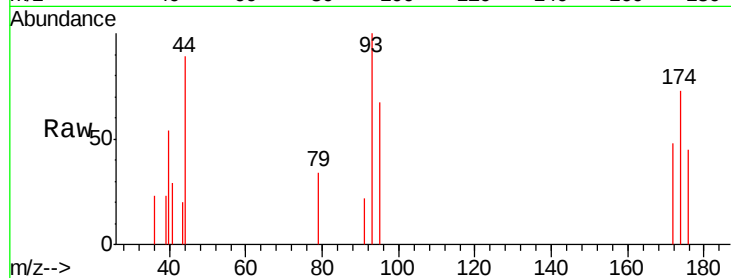
Tgt Ion: 93 Resp: 472

Ion Ratio Lower Upper

93 100

95 79.2 65.5 98.3

174 107.8 94.2 141.4



#47

Bromodichloromethane

Concen: 0.24 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

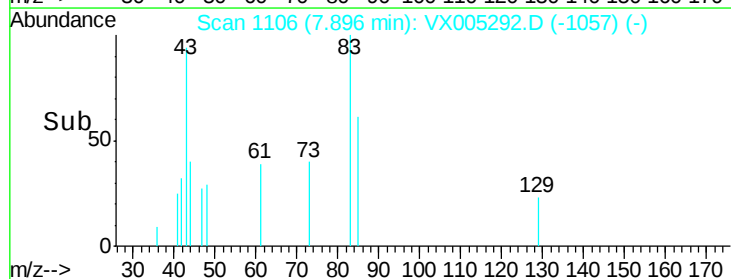
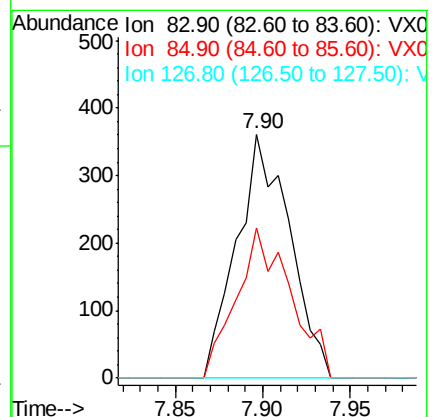
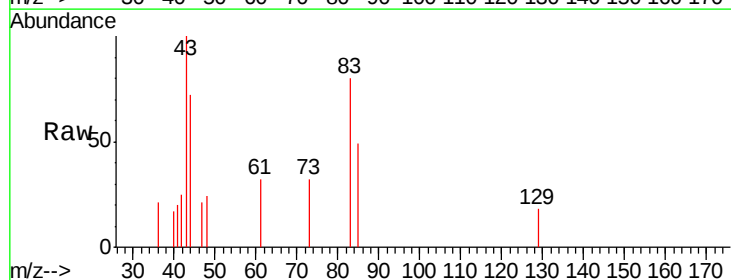
Tgt Ion: 83 Resp: 758

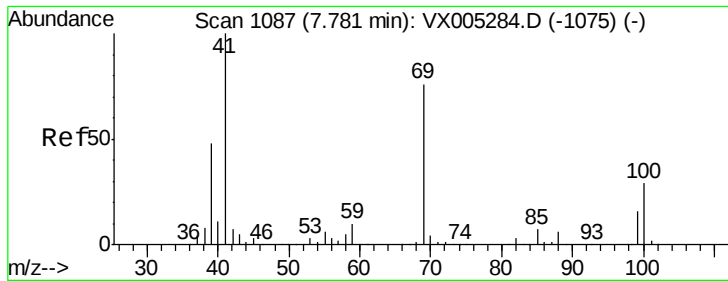
Ion Ratio Lower Upper

83 100

85 61.5 50.9 76.3

127 0.0 7.3 10.9#





#48

Methyl methacrylate

Concen: 0.23 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

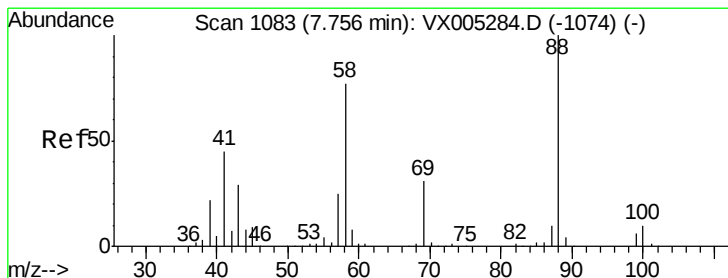
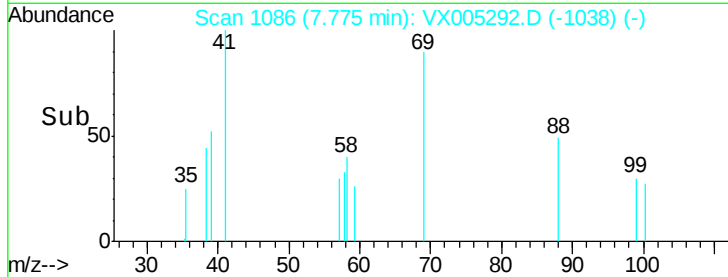
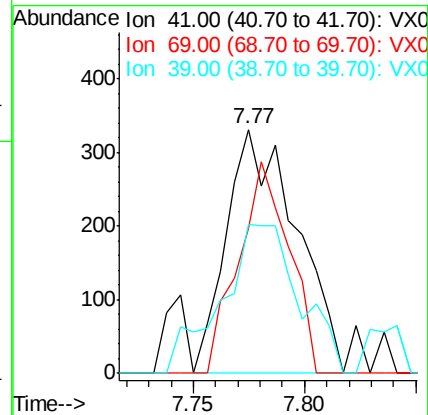
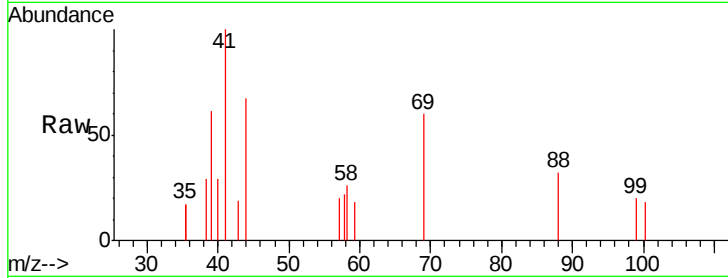
Tgt Ion: 41 Resp: 724

Ion Ratio Lower Upper

41 100

69 62.3 70.2 105.4#

39 68.6 42.7 64.1#



#49

1,4-Dioxane

Concen: 3.98 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

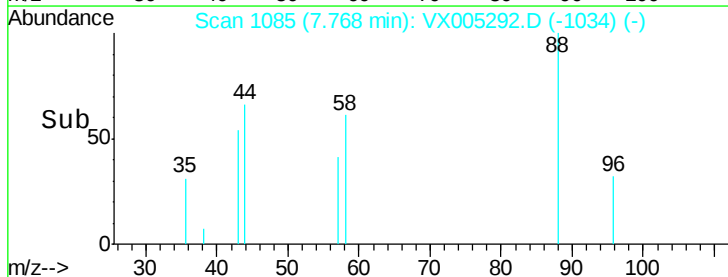
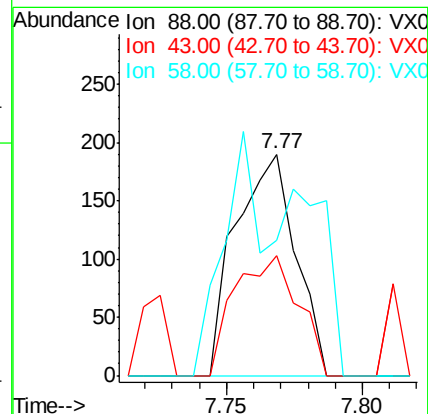
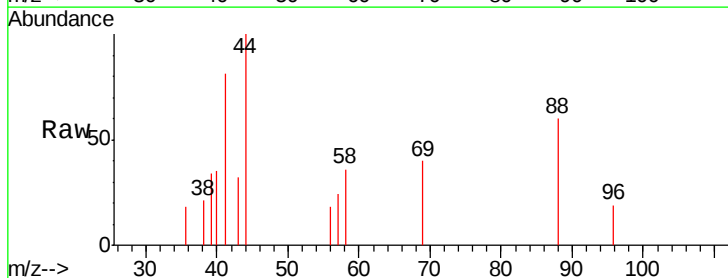
Tgt Ion: 88 Resp: 290

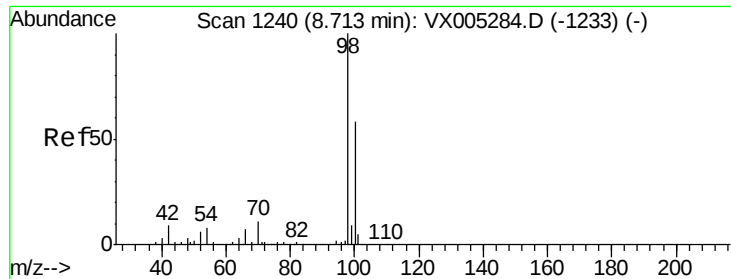
Ion Ratio Lower Upper

88 100

43 57.6 24.7 37.1#

58 57.6 55.3 82.9





#50

Toluene-d8

Concen: 50.66 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

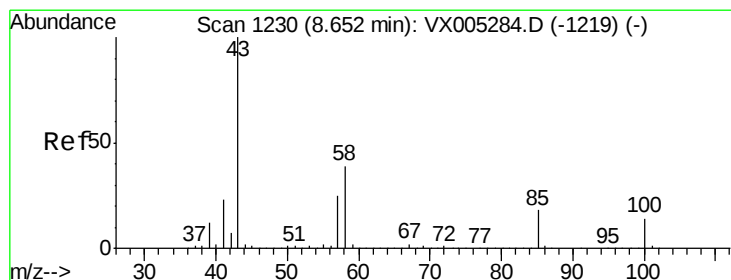
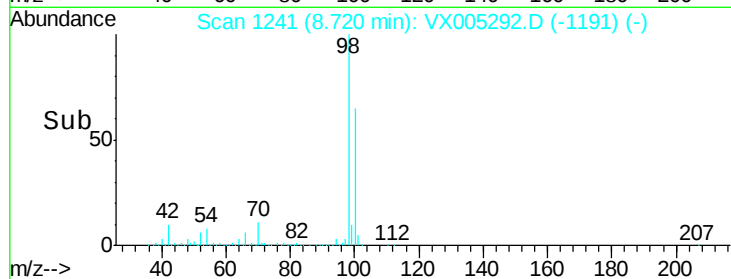
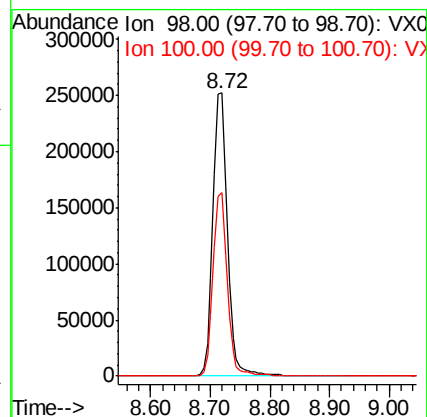
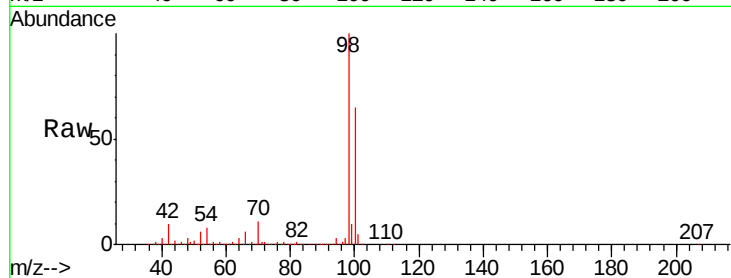
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 98 Resp: 422525

Ion Ratio Lower Upper

98 100

100 63.7 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 0.89 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX005292.D

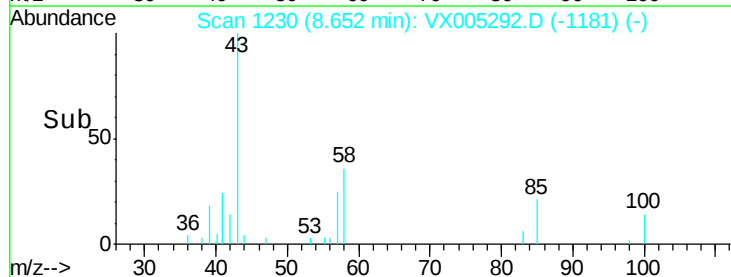
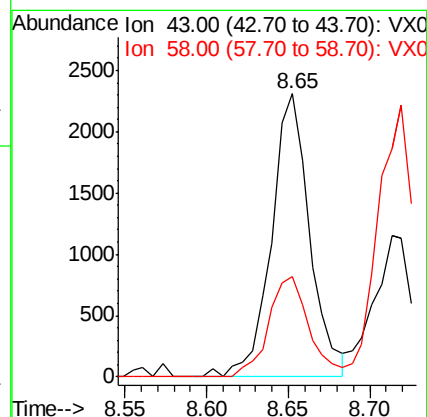
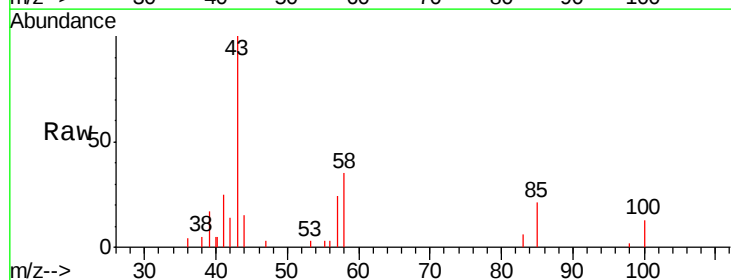
Acq: 12 Oct 2018 14:45

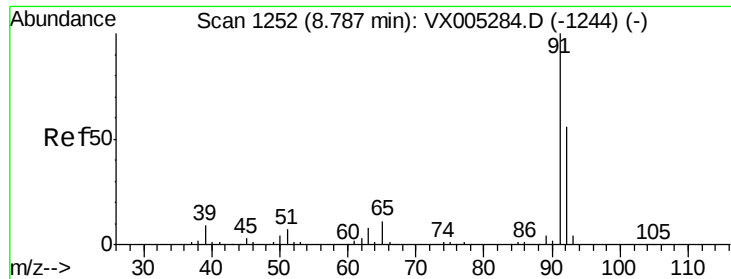
Tgt Ion: 43 Resp: 3734

Ion Ratio Lower Upper

43 100

58 37.5 33.1 49.7





#52

Toluene

Concen: 0.24 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

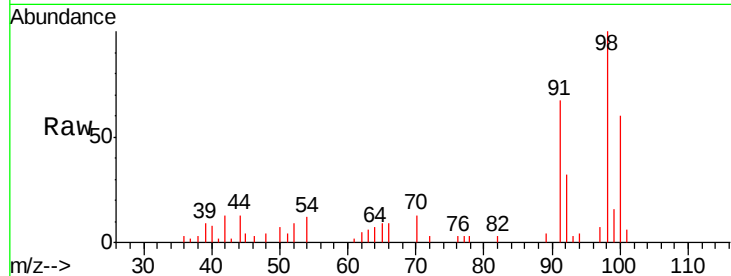
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 92 Resp: 1420

Ion Ratio Lower Upper

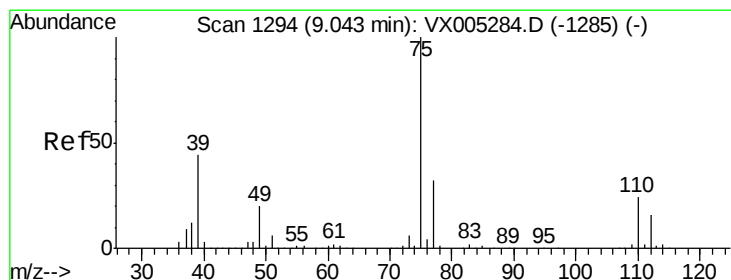
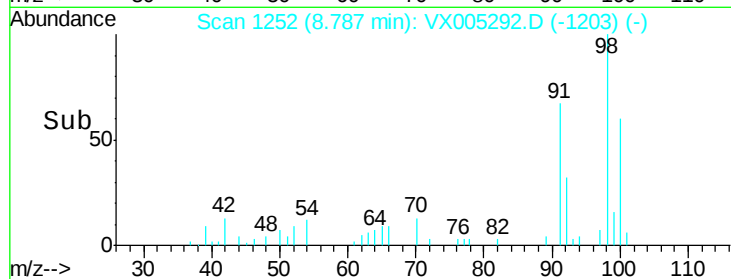
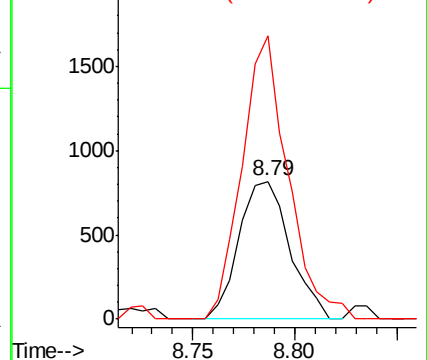
92 100

91 185.8 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 0.23 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX005292.D

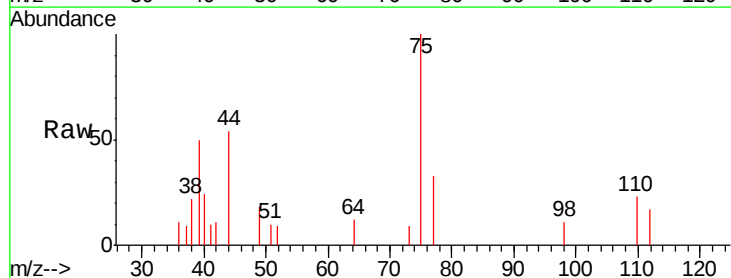
Acq: 12 Oct 2018 14:45

Tgt Ion: 75 Resp: 807

Ion Ratio Lower Upper

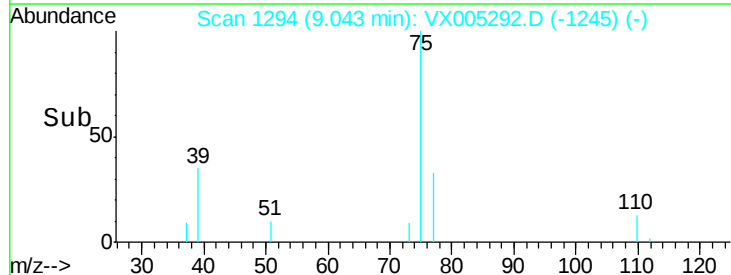
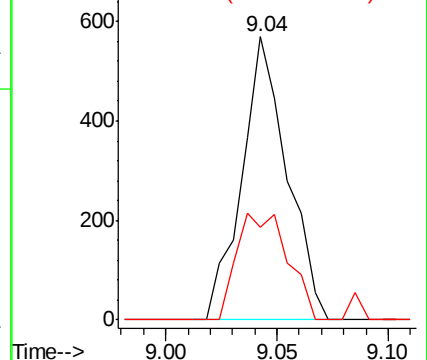
75 100

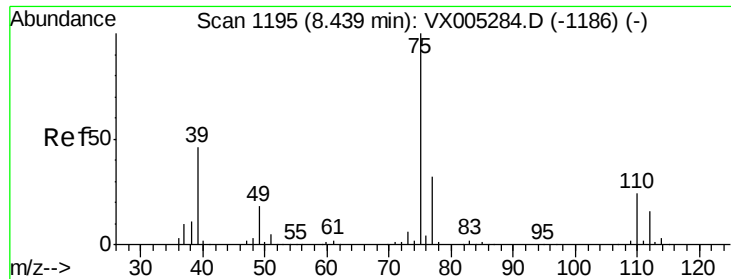
77 32.9 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0





#54

cis-1,3-Dichloropropene

Concen: 0.23 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

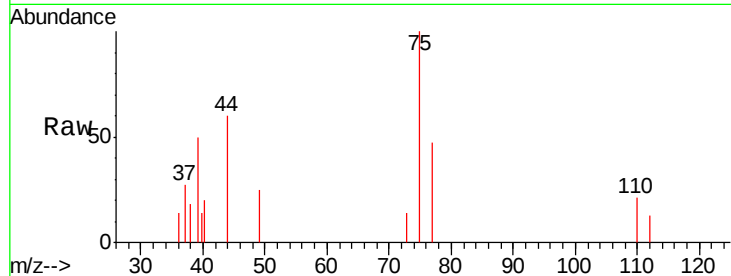
Tgt Ion: 75 Resp: 847

Ion Ratio Lower Upper

75 100

77 47.1 26.2 39.2#

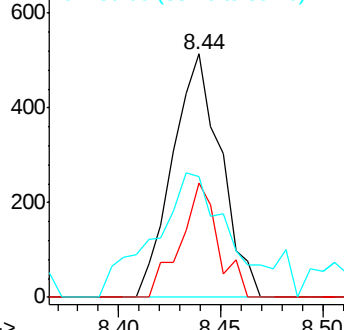
39 37.9 36.4 54.6



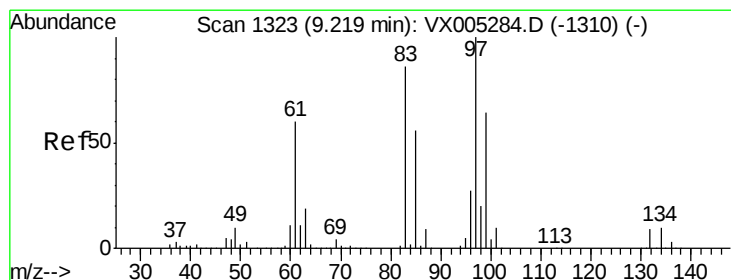
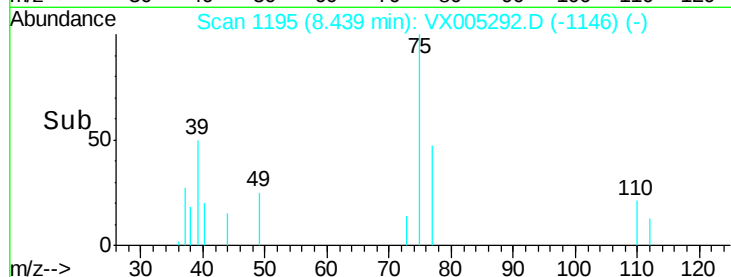
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



Time-->



#55

1,1,2-Trichloroethane

Concen: 0.24 ug/l

RT: 9.22 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Tgt Ion: 97 Resp: 581

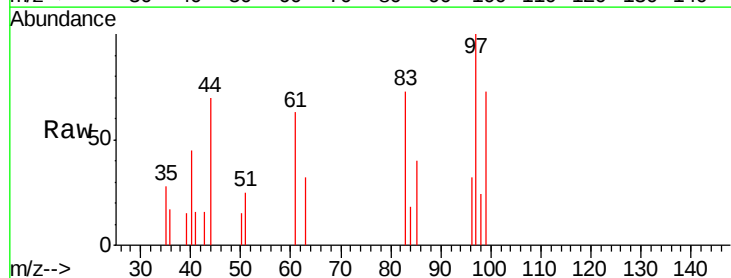
Ion Ratio Lower Upper

97 100

83 73.0 66.4 99.6

85 40.4 43.3 64.9#

99 73.5 49.0 73.4#

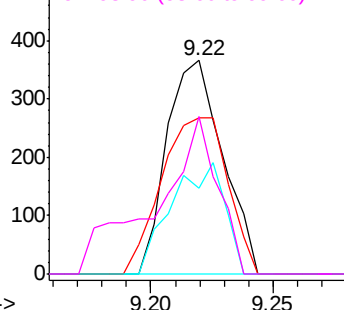


Abundance Ion 96.90 (96.60 to 97.60): VX0

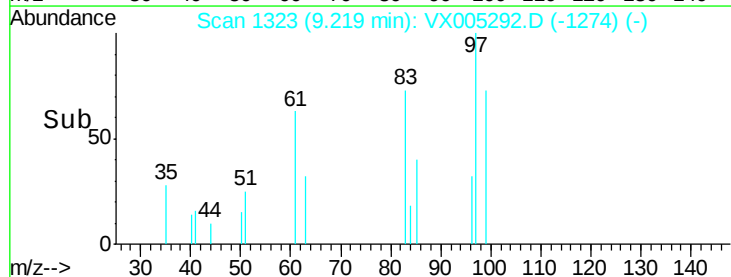
Ion 82.90 (82.60 to 83.60): VX0

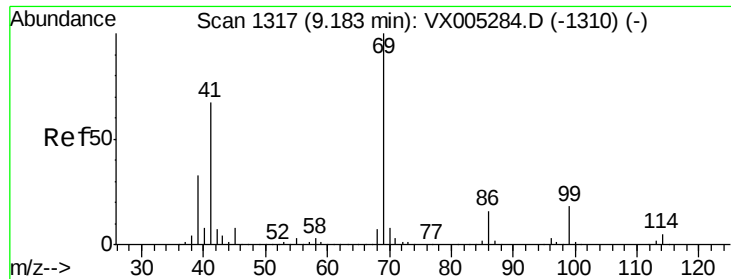
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



Time-->





#56

Ethyl methacrylate

Concen: 0.22 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

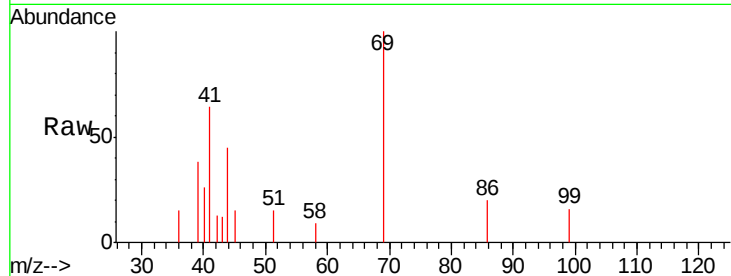
Tgt Ion: 69 Resp: 780

Ion Ratio Lower Upper

69 100

41 80.1 51.0 76.4#

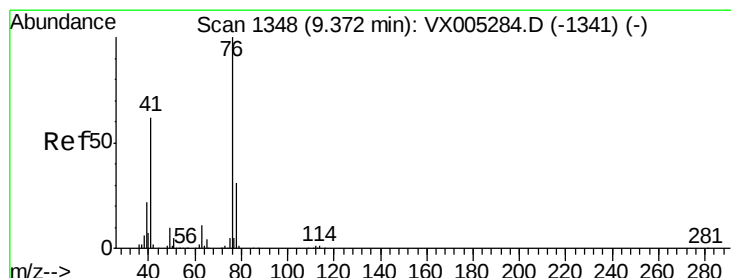
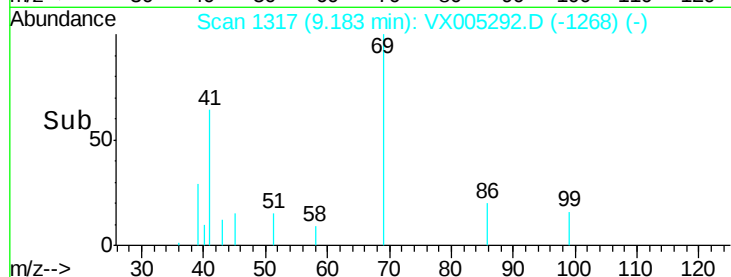
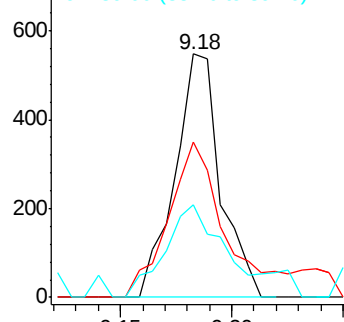
39 55.6 26.1 39.1#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#57

1,3-Dichloropropane

Concen: 0.23 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005292.D

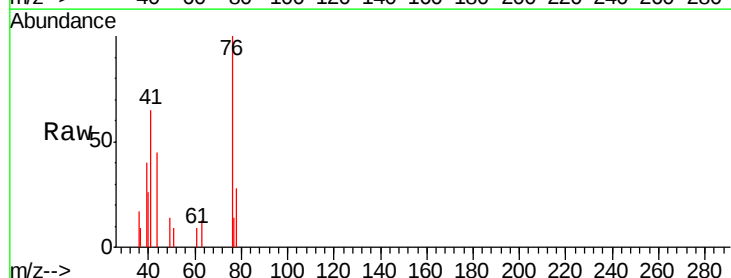
Acq: 12 Oct 2018 14:45

Tgt Ion: 76 Resp: 953

Ion Ratio Lower Upper

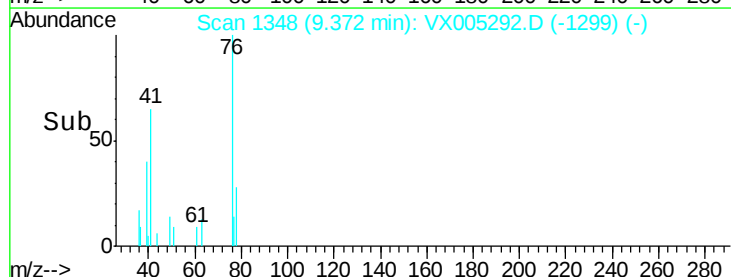
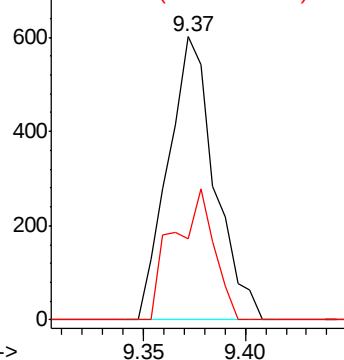
76 100

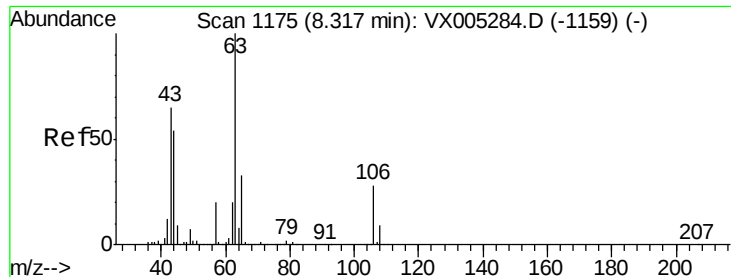
78 40.5 25.5 38.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

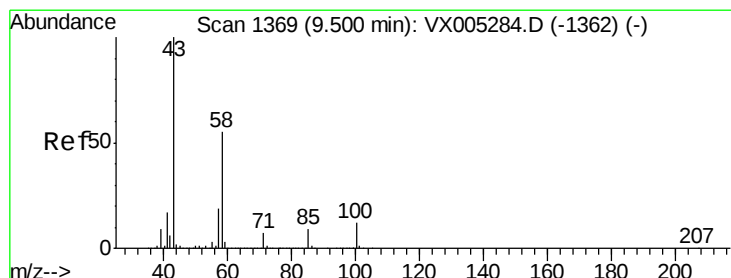
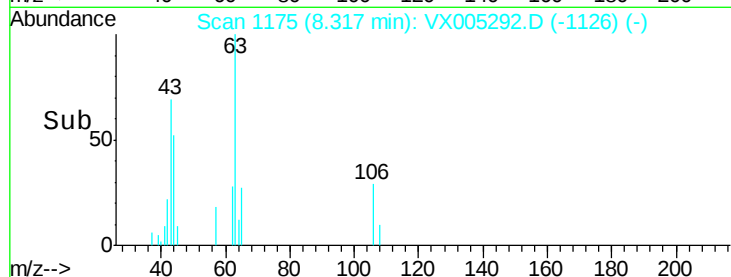
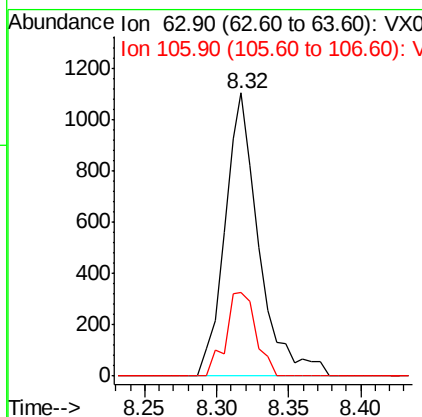
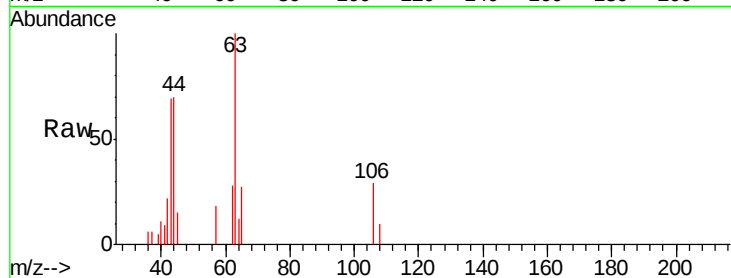




#58
2-Chloroethyl Vinyl ether
Concen: 0.90 ug/l
RT: 8.32 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

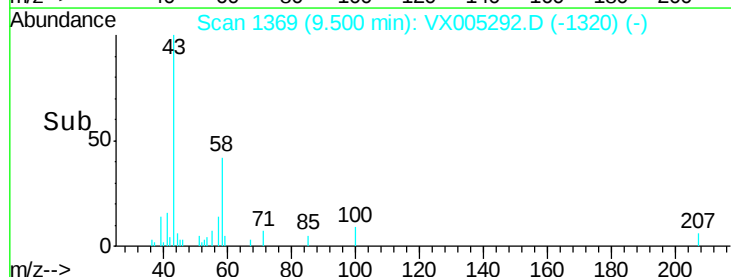
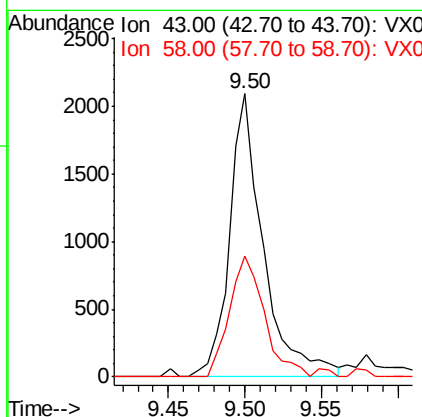
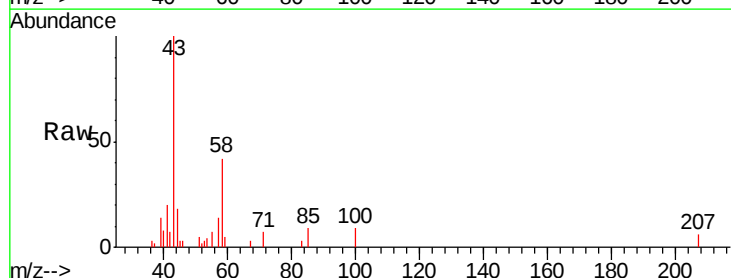
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

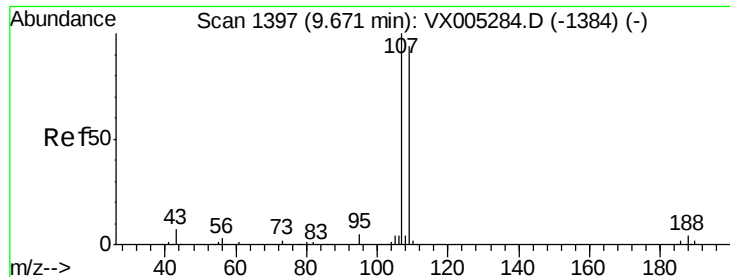
Tgt Ion: 63 Resp: 1823
Ion Ratio Lower Upper
63 100
106 26.4 23.9 35.9



#59
2-Hexanone
Concen: 0.95 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

Tgt Ion: 43 Resp: 3209
Ion Ratio Lower Upper
43 100
58 43.8 29.0 87.0





#61

1,2-Dibromoethane

Concen: 0.26 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

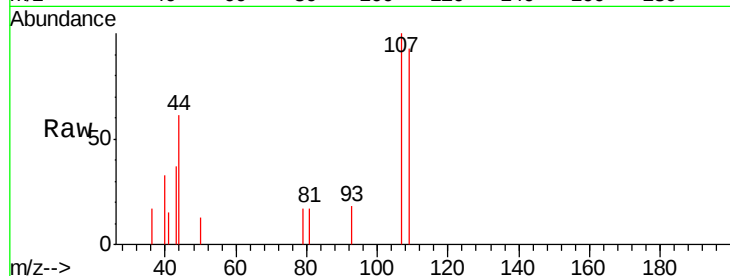
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 107 Resp: 683

Ion Ratio Lower Upper

107 100

109 80.8 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

400

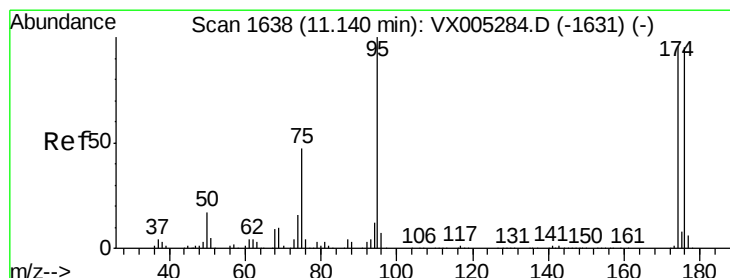
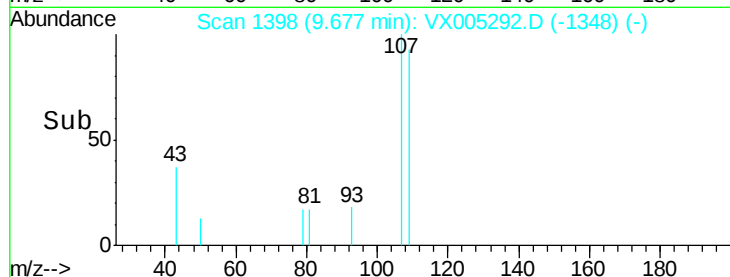
300

200

100

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.73 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

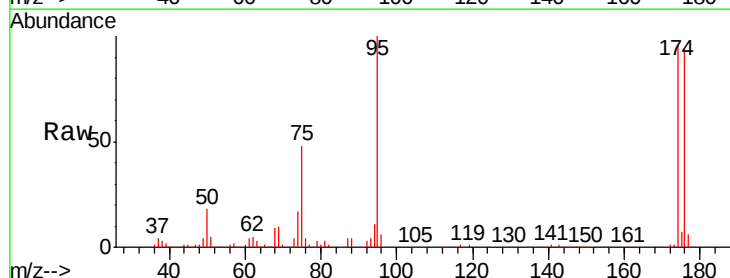
Tgt Ion: 95 Resp: 146415

Ion Ratio Lower Upper

95 100

174 95.3 0.0 185.2

176 91.7 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

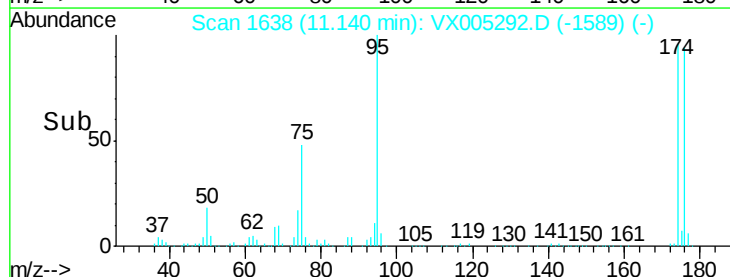
150000

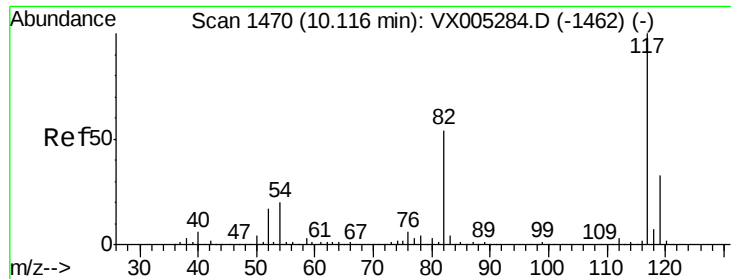
100000

50000

0

Time-->

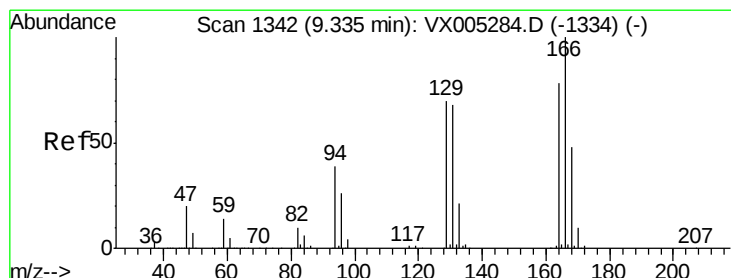
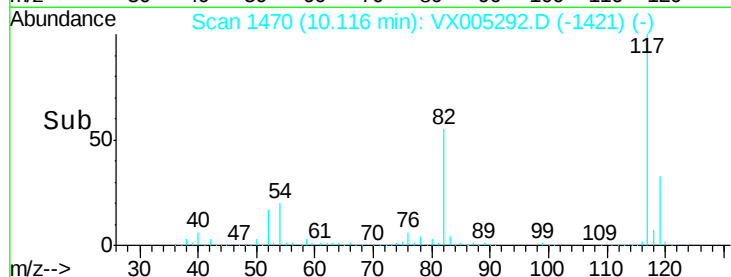
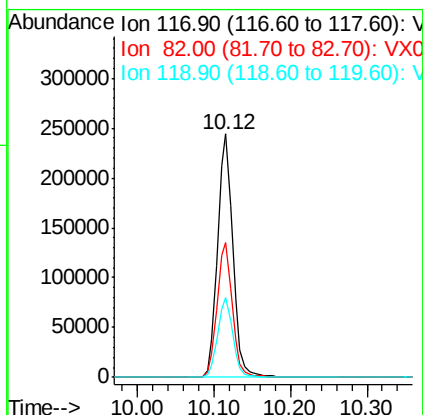
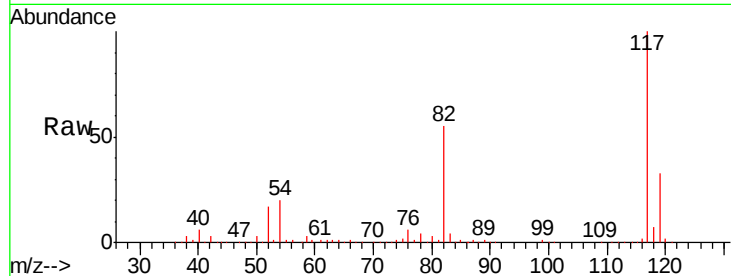




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

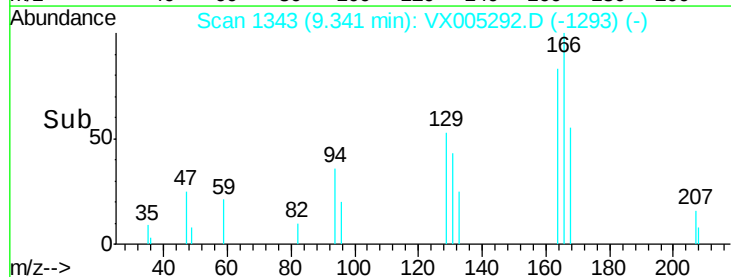
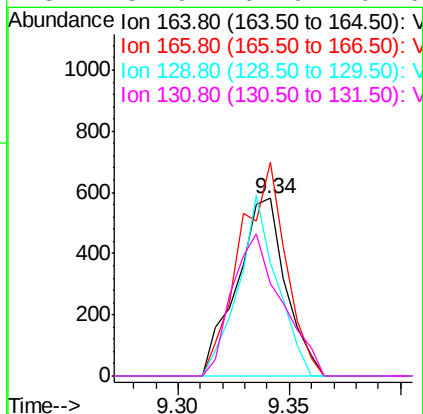
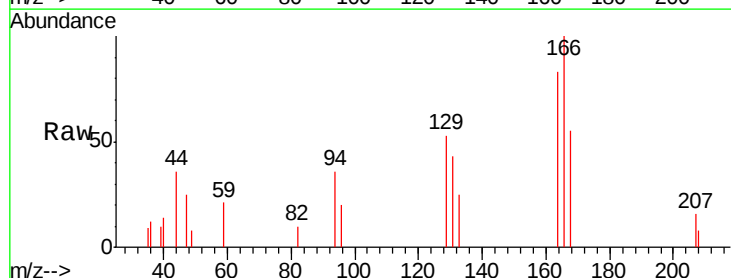
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

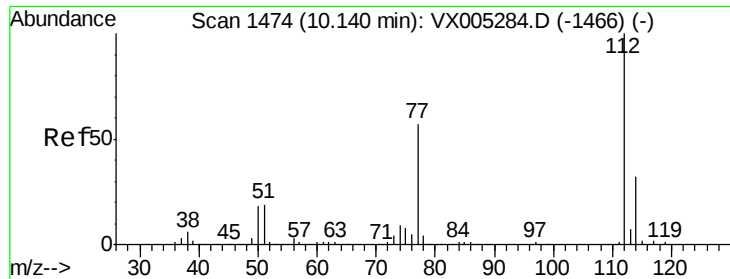
Tgt Ion:117 Resp: 338841
Ion Ratio Lower Upper
117 100
82 55.3 47.8 71.6
119 32.7 29.3 43.9



#64
Tetrachloroethene
Concen: 0.33 ug/l
RT: 9.34 min Scan# 1343
Delta R.T. 0.01 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

Tgt Ion:164 Resp: 888
Ion Ratio Lower Upper
164 100
166 120.3 102.8 154.2
129 63.8 69.4 104.0#
131 51.9 67.9 101.9#





#65

Chlorobenzene

Concen: 0.25 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

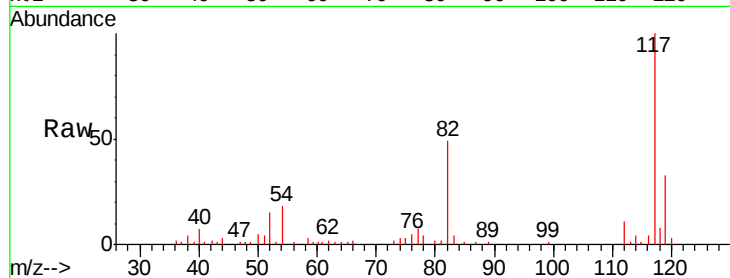
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:112 Resp: 1805

Ion Ratio Lower Upper

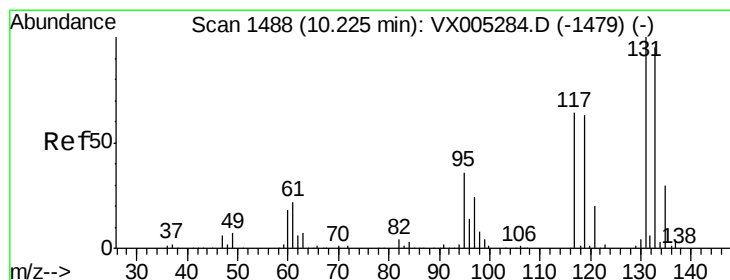
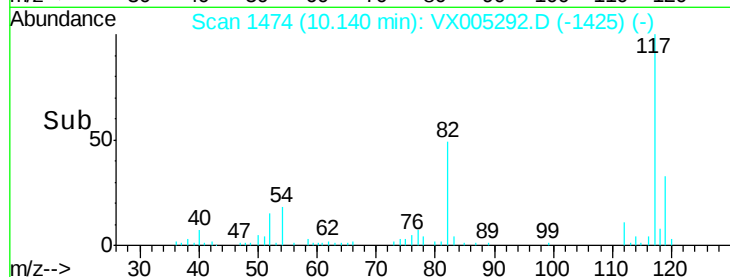
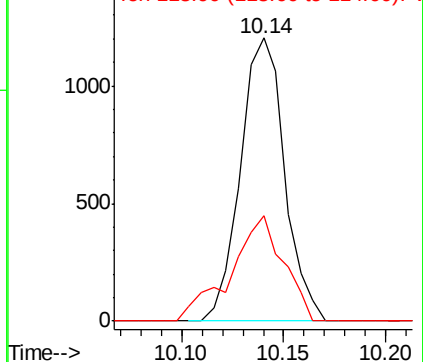
112 100

114 37.3 27.8 41.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 0.22 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

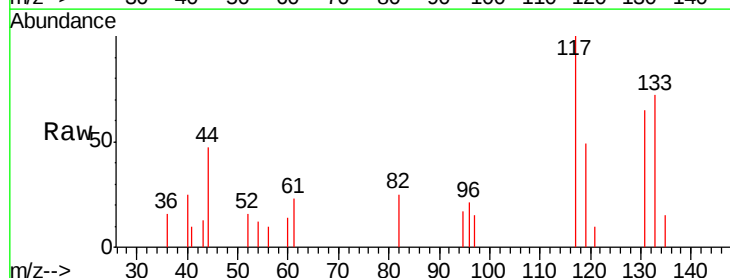
Tgt Ion:131 Resp: 572

Ion Ratio Lower Upper

131 100

133 84.3 48.1 144.4

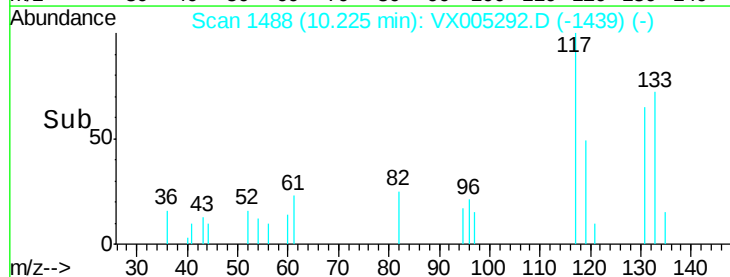
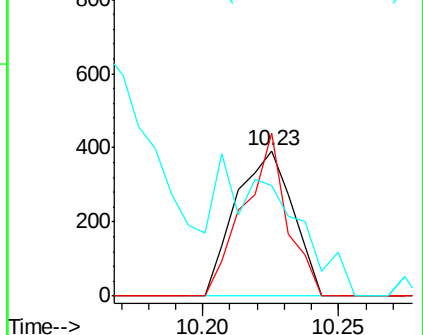
119 0.0 32.9 98.6#

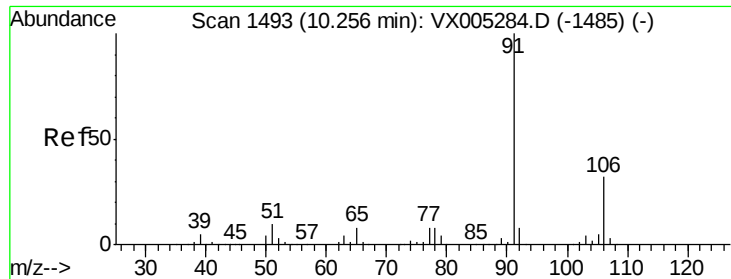


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 0.22 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

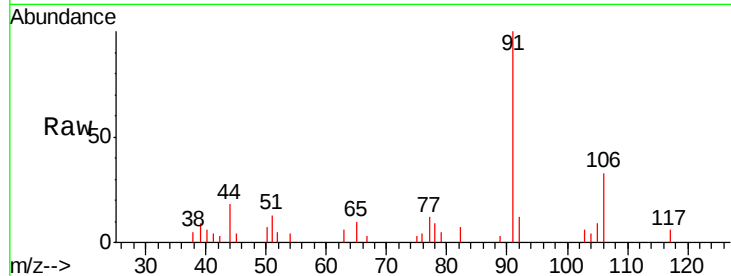
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 91 Resp: 2595

Ion Ratio Lower Upper

91 100

106 32.6 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX005284.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX005284.D (-1485) (-)

10.26

1500

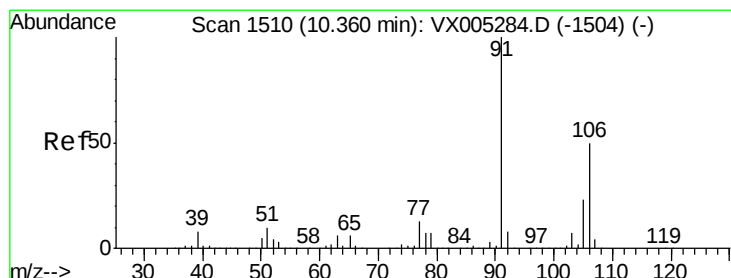
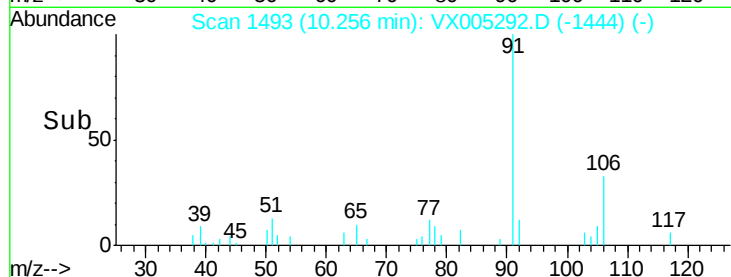
1000

500

0

10.20 10.25 10.30

Time-->



#68

m/p-Xylenes

Concen: 0.38 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005292.D

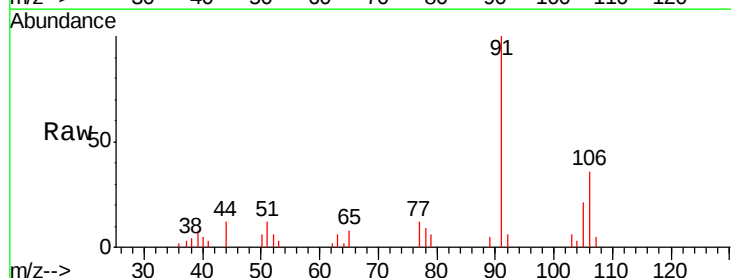
Acq: 12 Oct 2018 14:45

Tgt Ion: 106 Resp: 1715

Ion Ratio Lower Upper

106 100

91 236.7 157.1 235.7#



Abundance Ion 106.00 (105.70 to 106.70): VX005284.D (-1504) (-)

Ion 91.00 (90.70 to 91.70): VX005284.D (-1504) (-)

10.36

3000

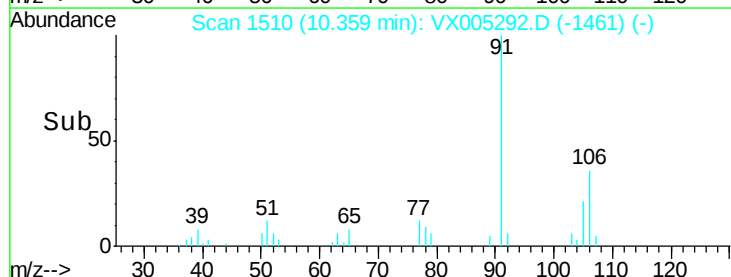
2000

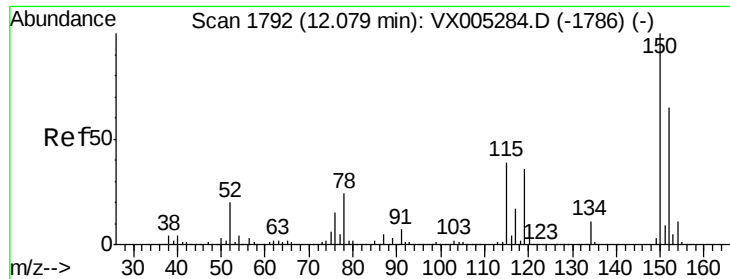
1000

0

10.30 10.35 10.40

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

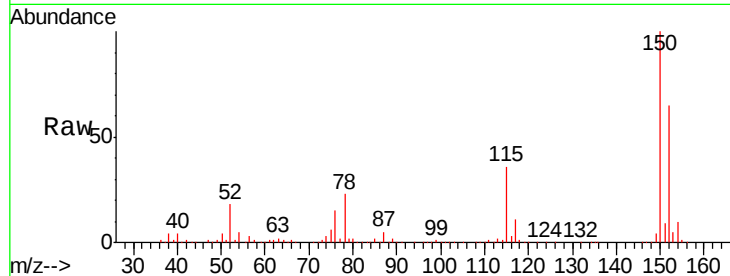
Tgt Ion:152 Resp: 176227

Ion Ratio Lower Upper

152 100

115 54.5 39.0 117.0

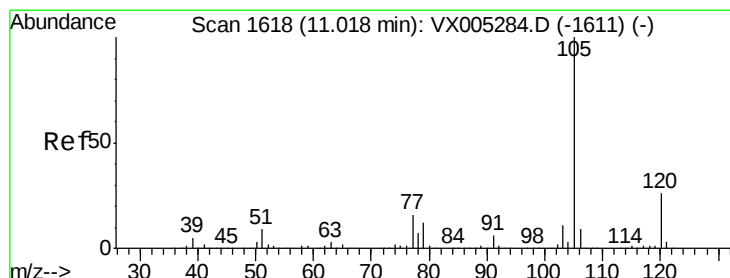
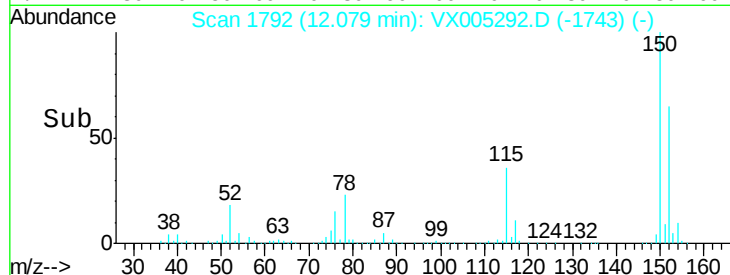
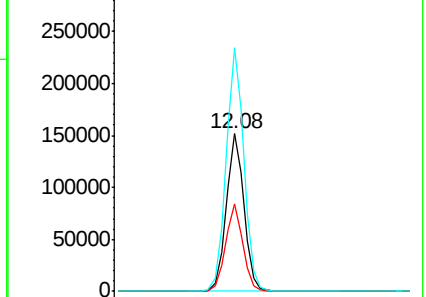
150 155.6 0.0 351.0



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: 0.23 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005292.D

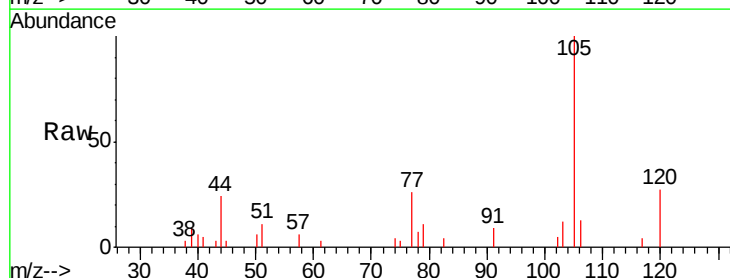
Acq: 12 Oct 2018 14:45

Tgt Ion:105 Resp: 2393

Ion Ratio Lower Upper

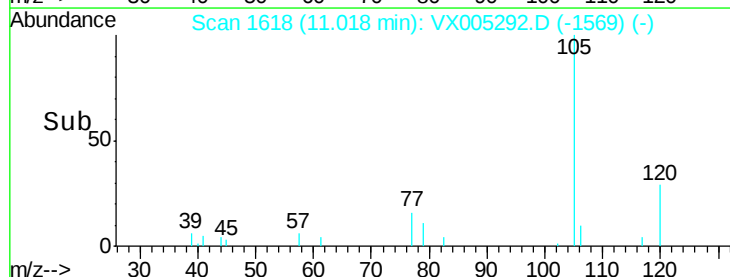
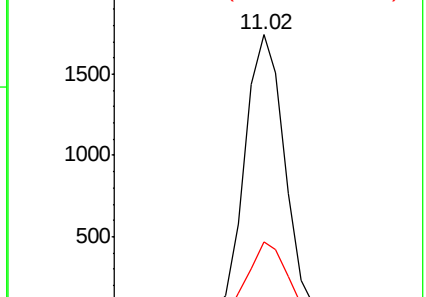
105 100

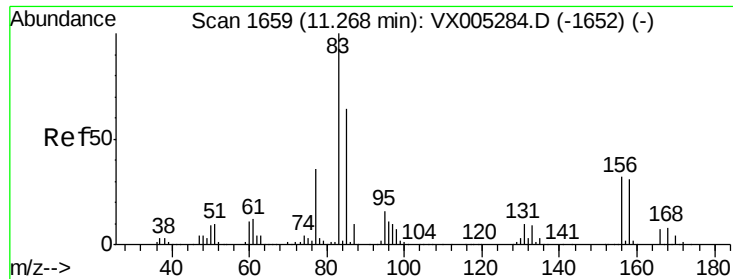
120 25.6 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 0.22 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

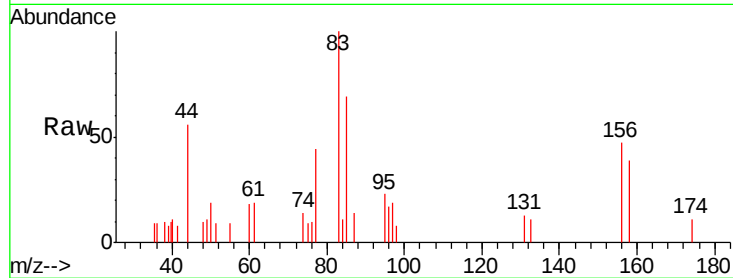
Tgt Ion: 83 Resp: 874

Ion Ratio Lower Upper

83 100

131 9.5 5.2 15.6

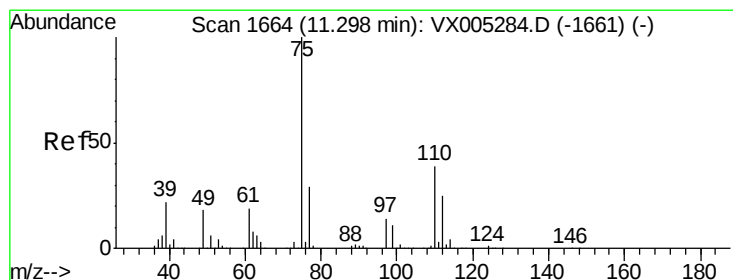
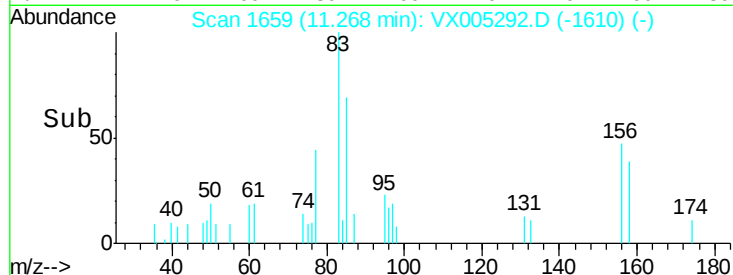
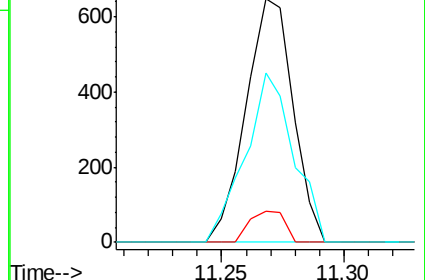
85 71.4 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.94 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005292.D

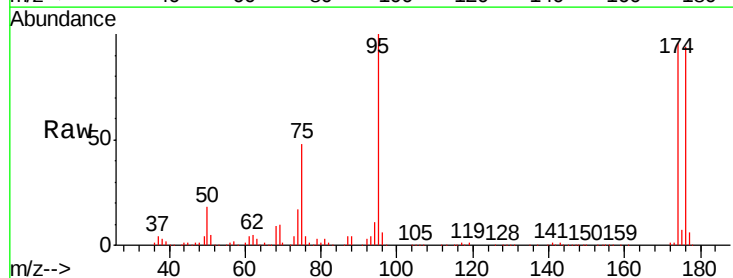
Acq: 12 Oct 2018 14:45

Tgt Ion: 75 Resp: 71582

Ion Ratio Lower Upper

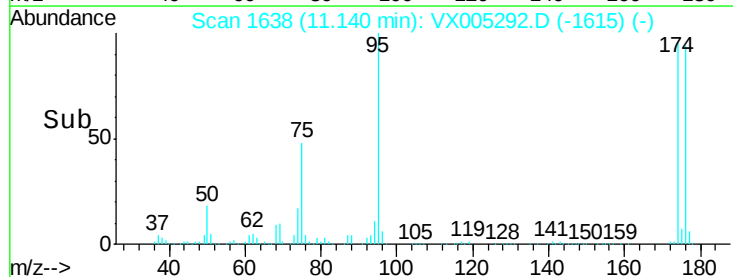
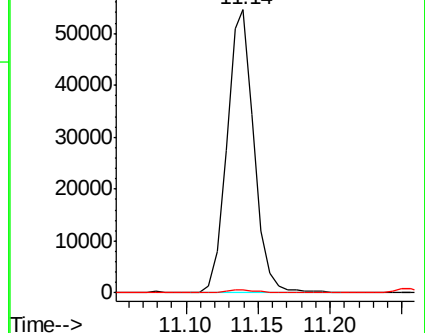
75 100

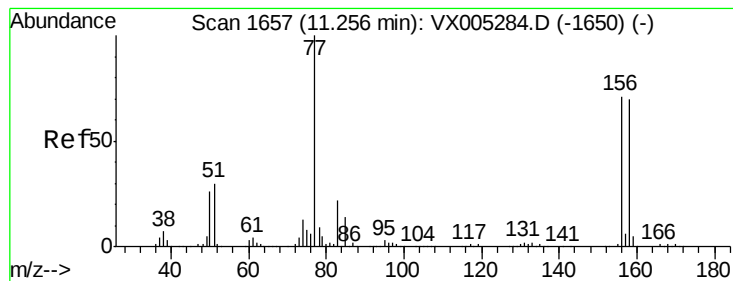
77 1.4 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 0.27 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. 0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

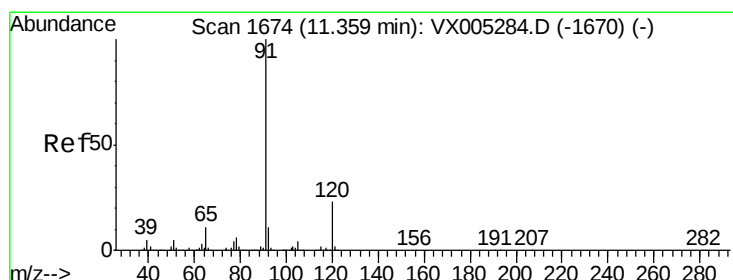
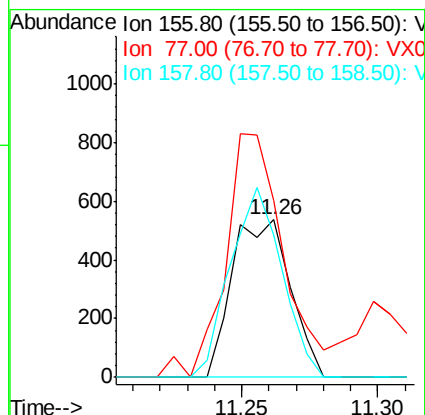
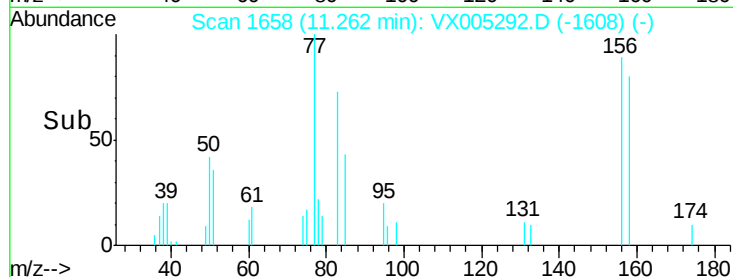
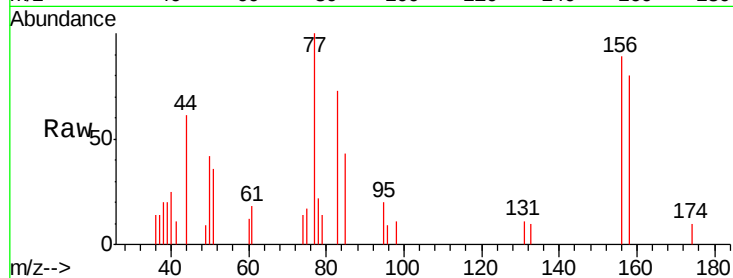
Tgt Ion:156 Resp: 795

Ion Ratio Lower Upper

156 100

77 153.5 71.5 214.3

158 106.9 48.9 146.8



#78

n-propylbenzene

Concen: 0.27 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005292.D

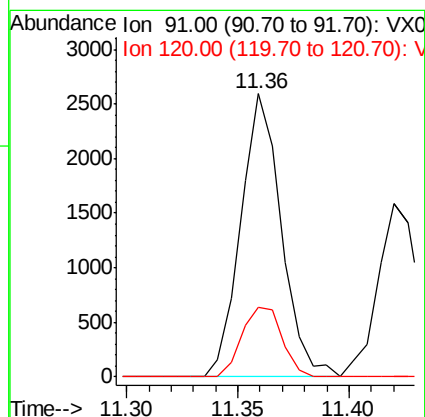
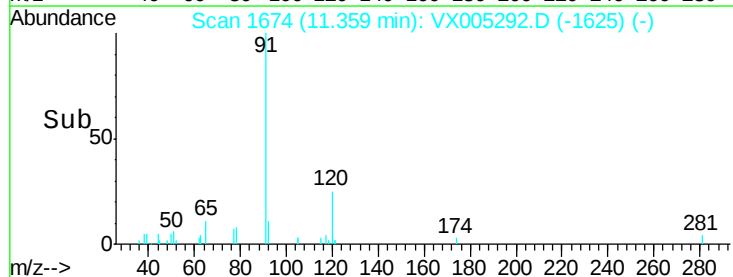
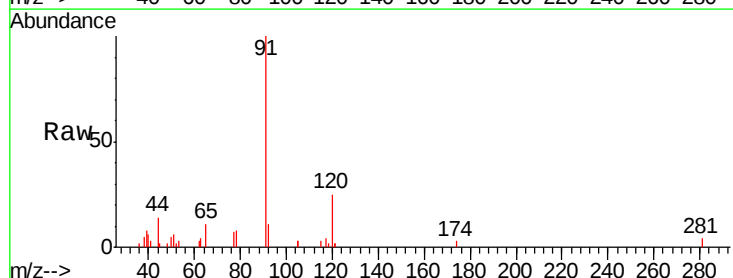
Acq: 12 Oct 2018 14:45

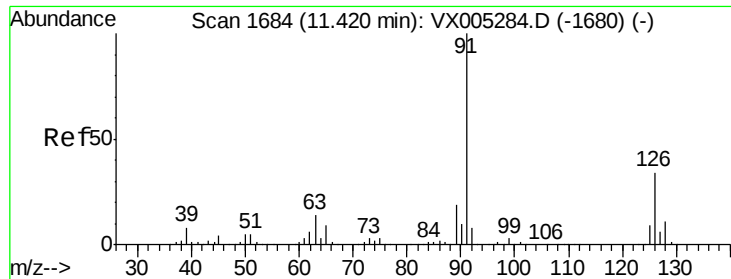
Tgt Ion: 91 Resp: 3290

Ion Ratio Lower Upper

91 100

120 24.3 11.9 35.9

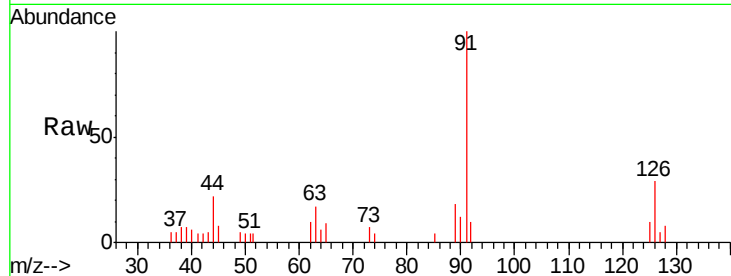




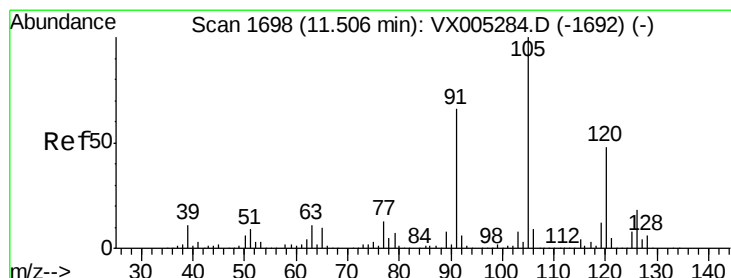
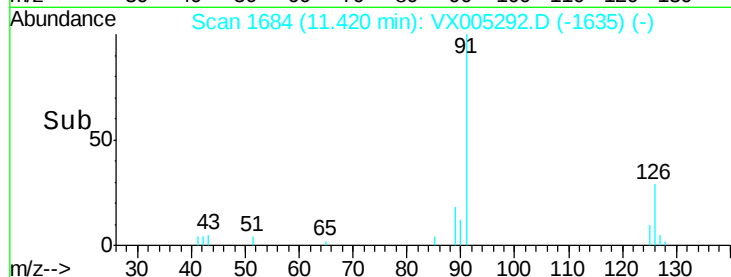
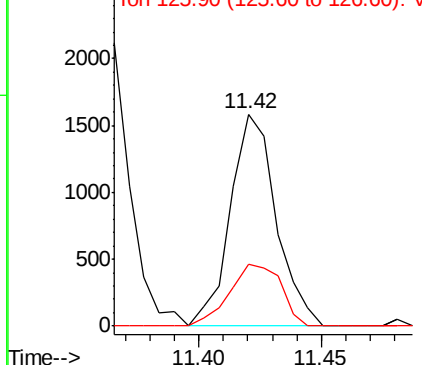
#79
2-Chlorotoluene
Concen: 0.28 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 91 Resp: 2064
Ion Ratio Lower Upper
91 100
126 32.6 17.9 53.7

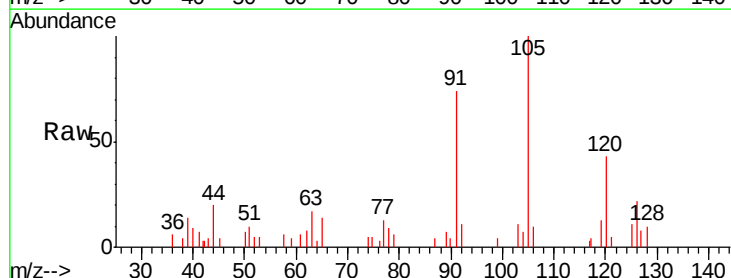


Abundance Ion 91.00 (90.70 to 91.70): VX005284.D (-1680) (-)
Ion 125.90 (125.60 to 126.60): VX005284.D (-1680) (-)

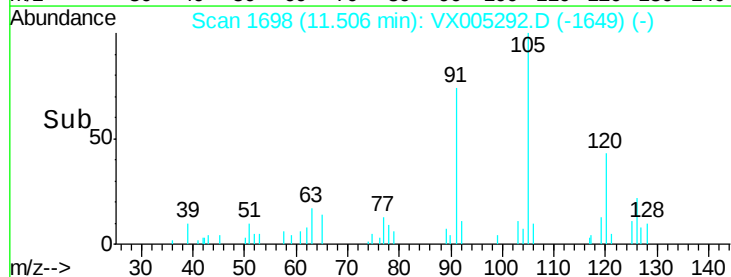
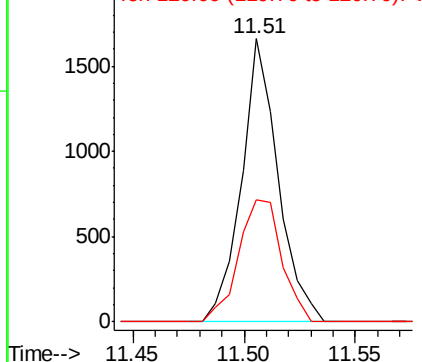


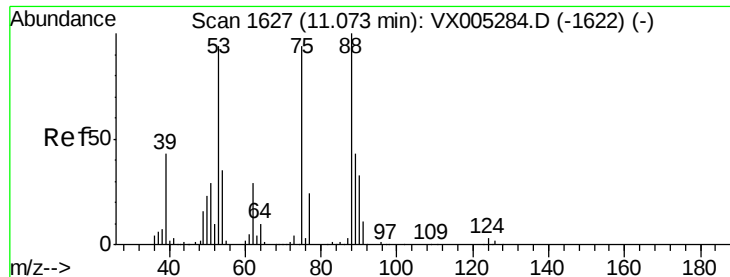
#80
1,3,5-Trimethylbenzene
Concen: 0.21 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

Tgt Ion: 105 Resp: 1905
Ion Ratio Lower Upper
105 100
120 50.9 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX005284.D (-1692) (-)
Ion 120.00 (119.70 to 120.70): VX005284.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 63.63 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

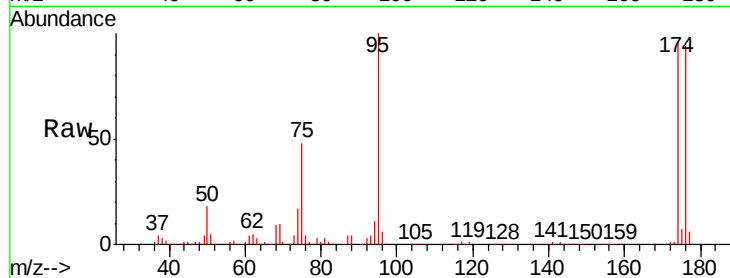
Tgt Ion: 75 Resp: 71582

Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

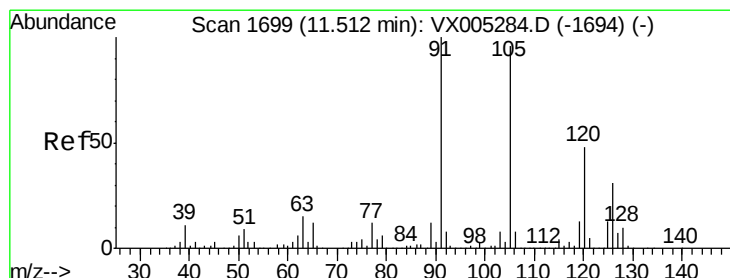
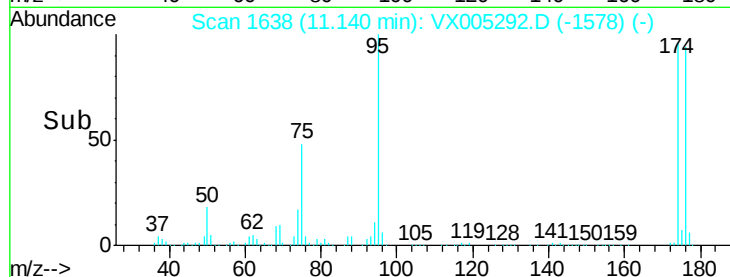
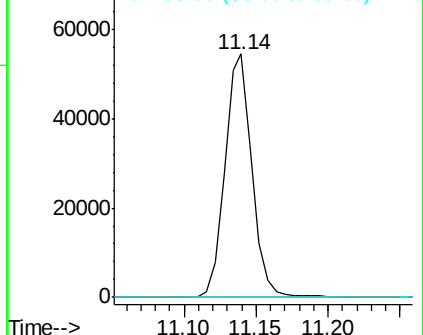
89 0.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 0.27 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005292.D

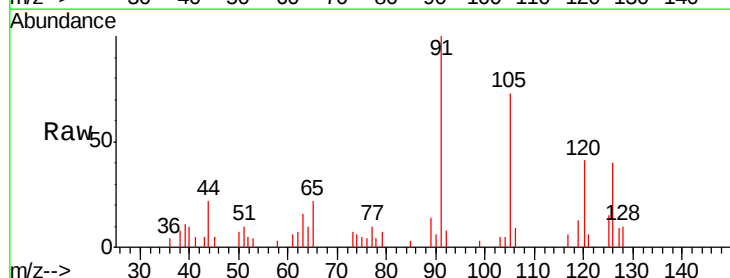
Acq: 12 Oct 2018 14:45

Tgt Ion: 91 Resp: 2343

Ion Ratio Lower Upper

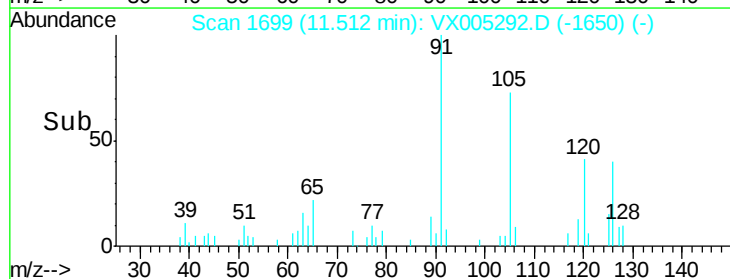
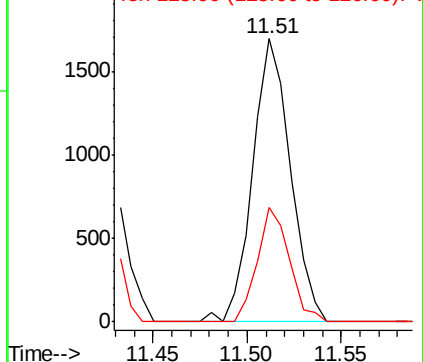
91 100

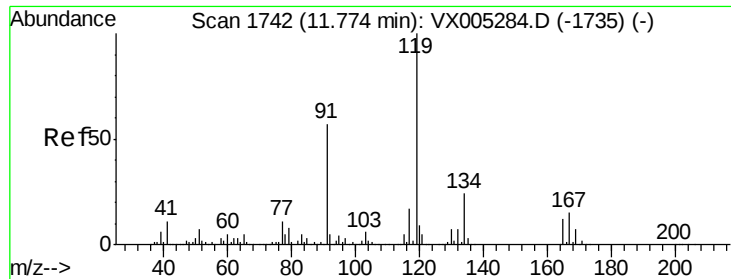
126 34.1 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

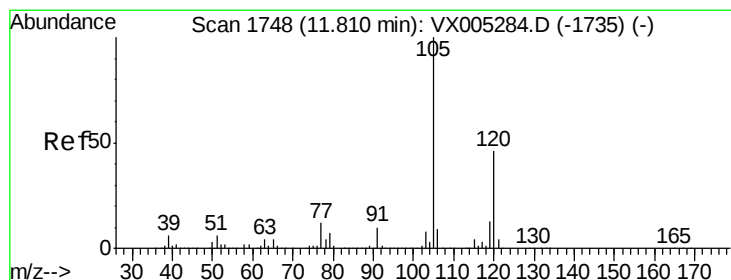
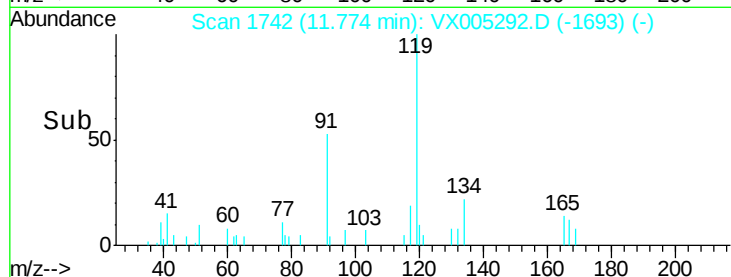
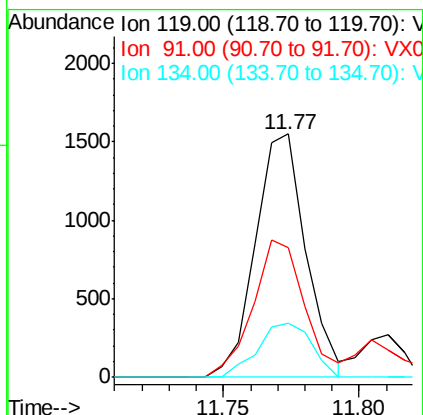
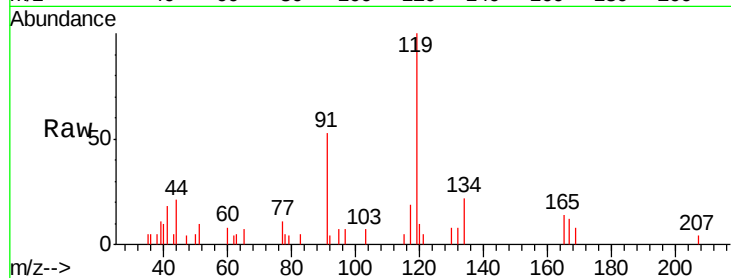




#83
 tert-Butylbenzene
 Concen: 0.22 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005292.D
 Acq: 12 Oct 2018 14:45

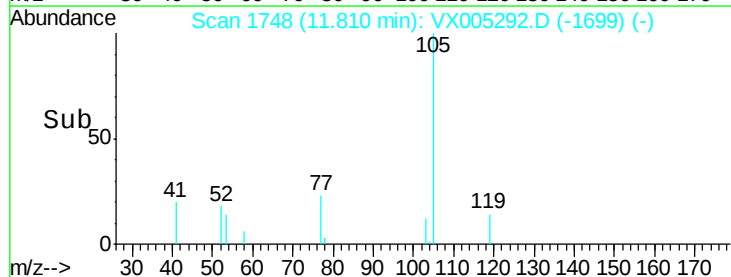
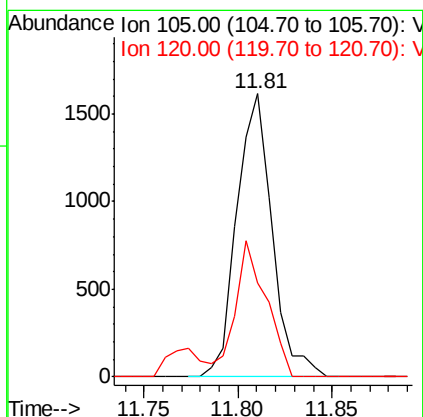
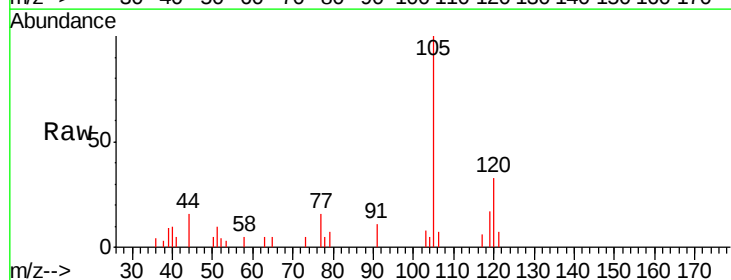
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

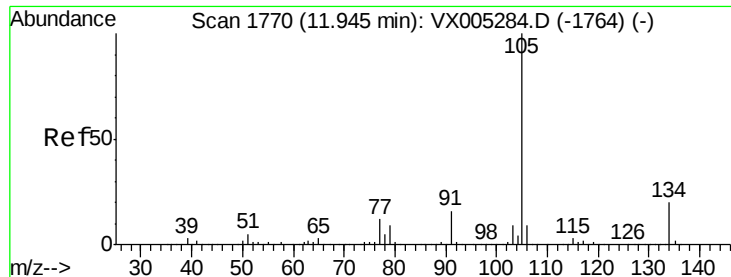
Tgt Ion:119 Resp: 1989
 Ion Ratio Lower Upper
 119 100
 91 57.9 27.0 81.0
 134 23.5 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 0.23 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005292.D
 Acq: 12 Oct 2018 14:45

Tgt Ion:105 Resp: 2107
 Ion Ratio Lower Upper
 105 100
 120 41.7 23.2 69.6

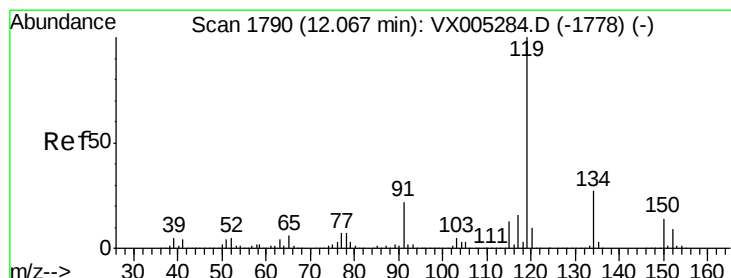
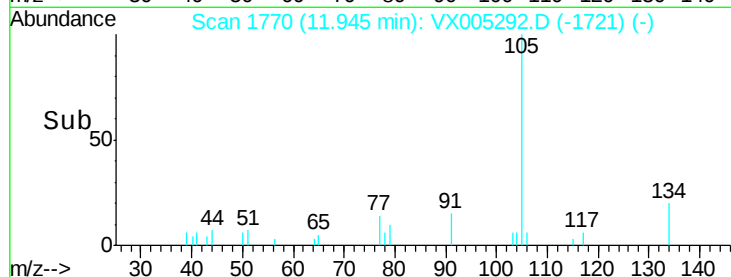
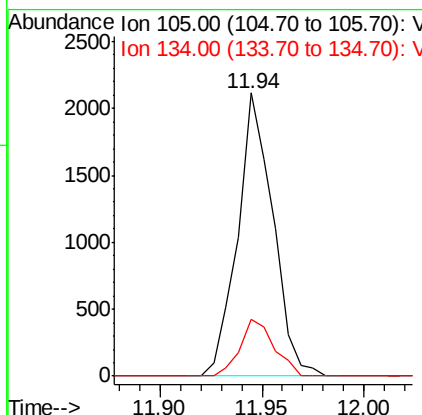
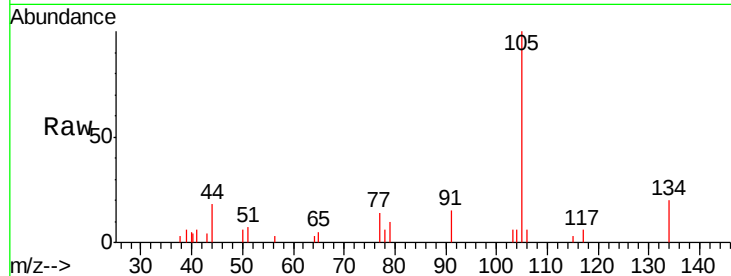




#85
 sec-Butylbenzene
 Concen: 0.24 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005292.D
 Acq: 12 Oct 2018 14:45

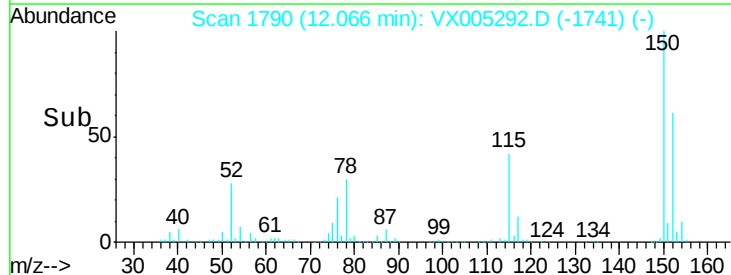
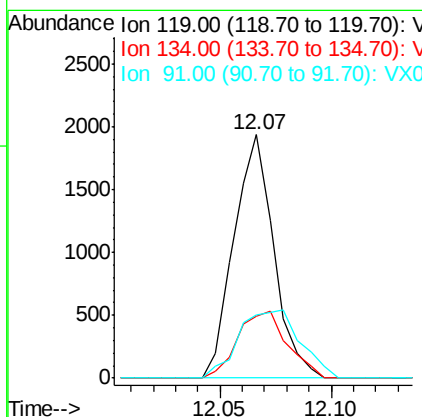
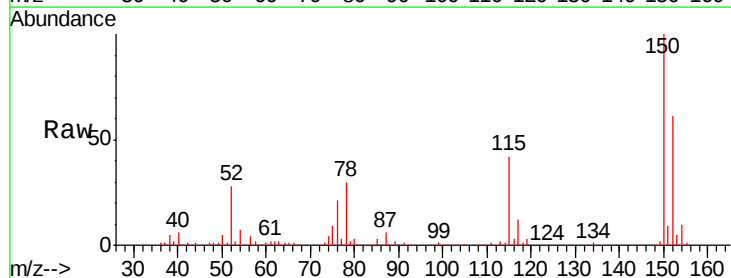
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

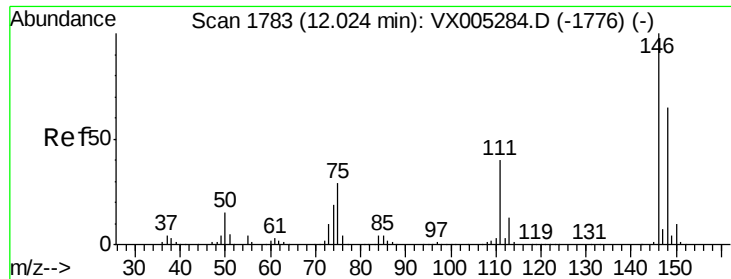
Tgt Ion:105 Resp: 2538
 Ion Ratio Lower Upper
 105 100
 134 19.3 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 0.25 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005292.D
 Acq: 12 Oct 2018 14:45

Tgt Ion:119 Resp: 2419
 Ion Ratio Lower Upper
 119 100
 134 34.1 13.4 40.2
 91 43.2 10.9 32.7#

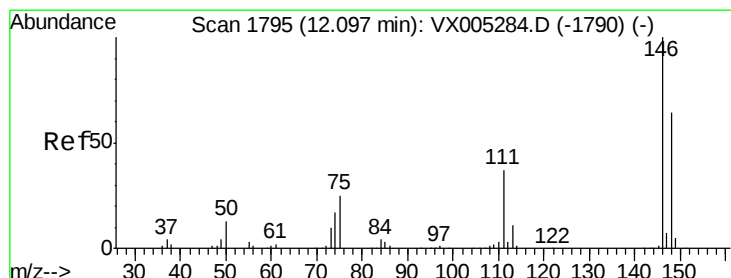
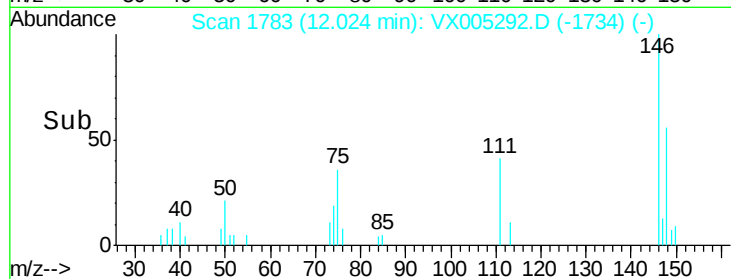
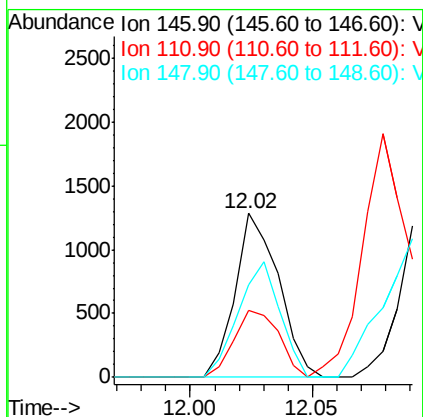
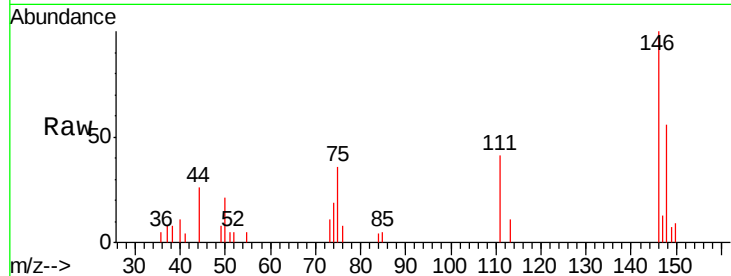




#87
 1,3-Dichlorobenzene
 Concen: 0.28 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005292.D
 Acq: 12 Oct 2018 14:45

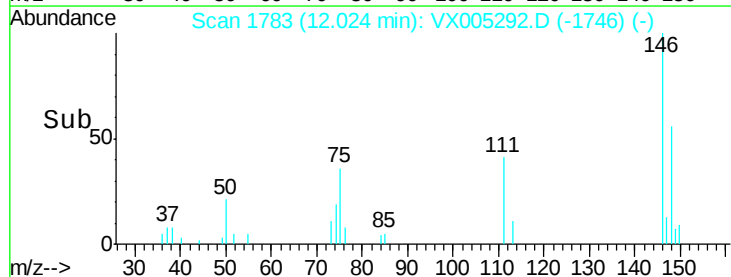
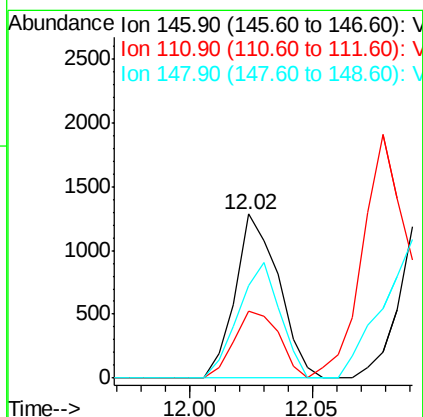
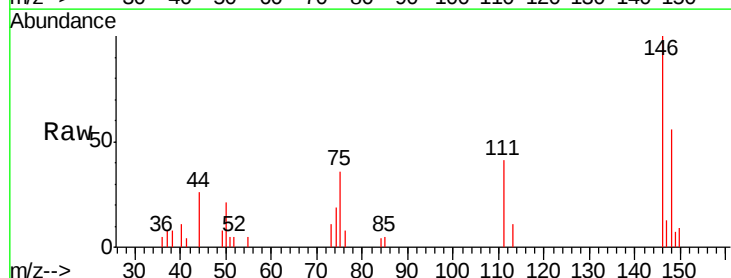
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

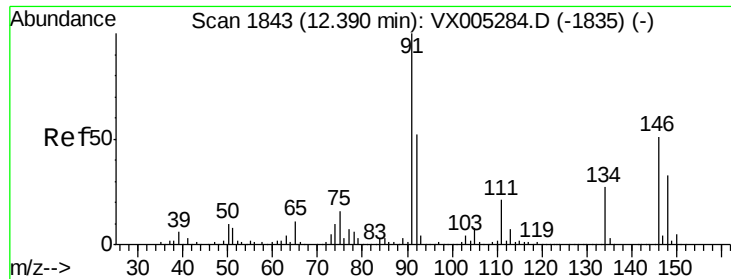
Tgt Ion:146 Resp: 1583
 Ion Ratio Lower Upper
 146 100
 111 42.8 18.7 56.1
 148 68.1 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 0.28 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.07 min
 Lab File: VX005292.D
 Acq: 12 Oct 2018 14:45

Tgt Ion:146 Resp: 1583
 Ion Ratio Lower Upper
 146 100
 111 42.8 18.1 54.1
 148 68.1 32.0 96.0

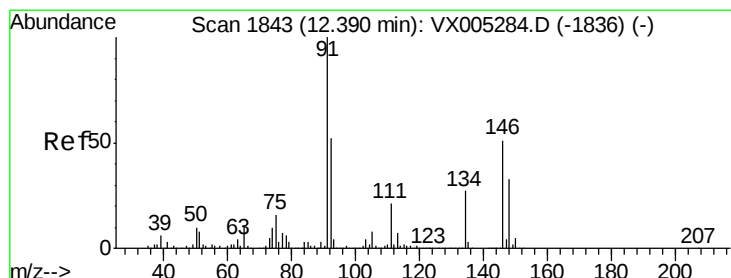
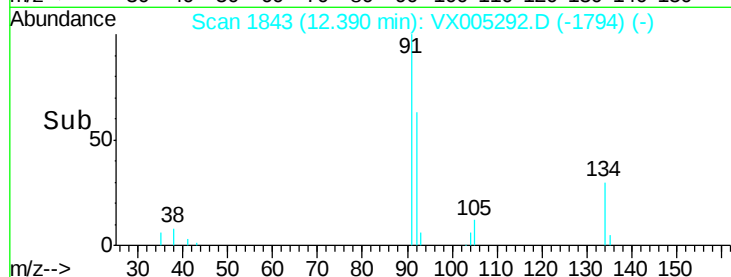
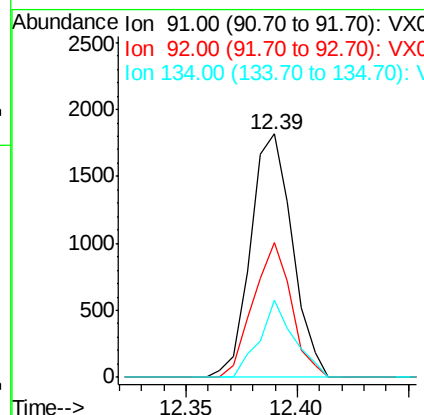
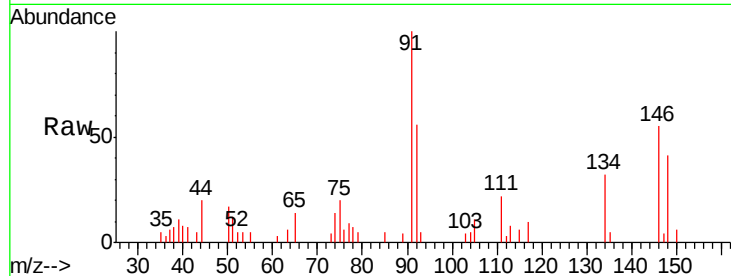




#89
n-Butylbenzene
Concen: 0.27 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

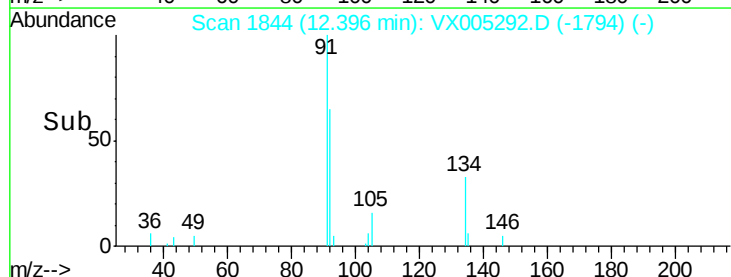
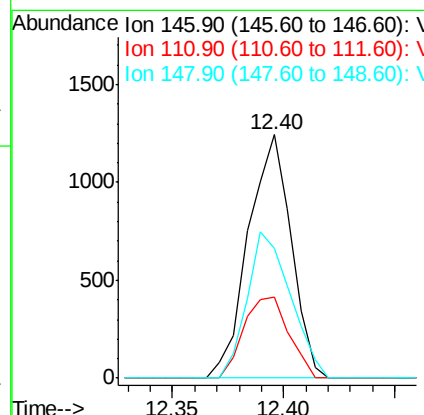
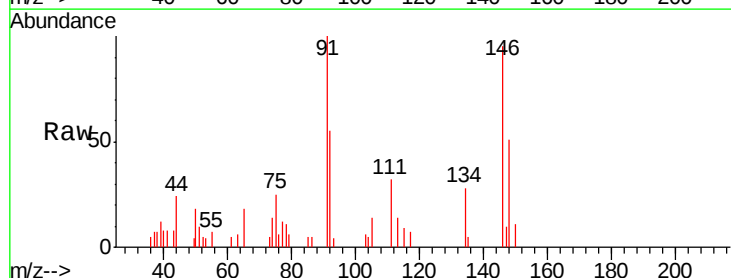
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

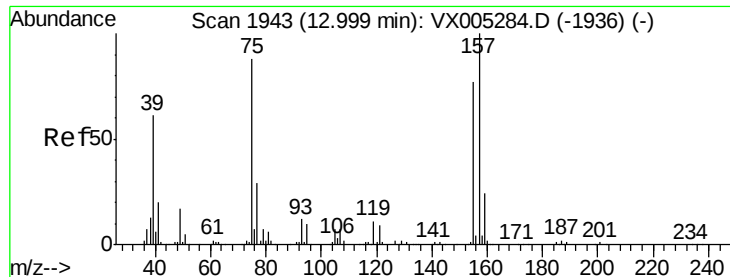
Tgt Ion: 91 Resp: 2373
Ion Ratio Lower Upper
91 100
92 50.7 27.3 81.9
134 26.3 13.6 40.7



#91
1,2-Dichlorobenzene
Concen: 0.29 ug/l
RT: 12.40 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

Tgt Ion: 146 Resp: 1667
Ion Ratio Lower Upper
146 100
111 35.1 19.4 58.1
148 61.1 32.8 98.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.21 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

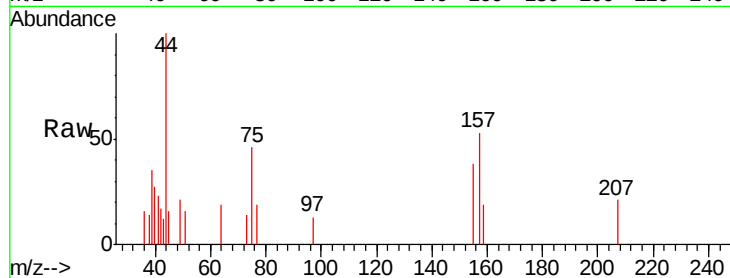
Tgt Ion: 75 Resp: 207

Ion Ratio Lower Upper

75 100

155 106.8 48.0 144.2

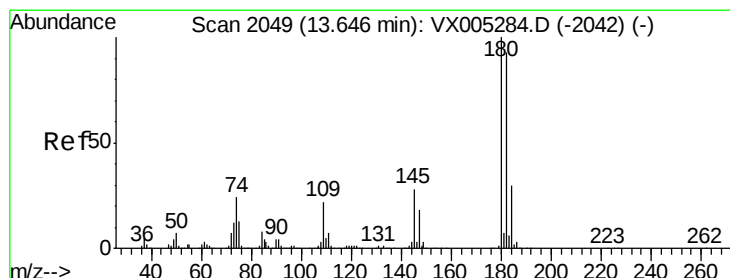
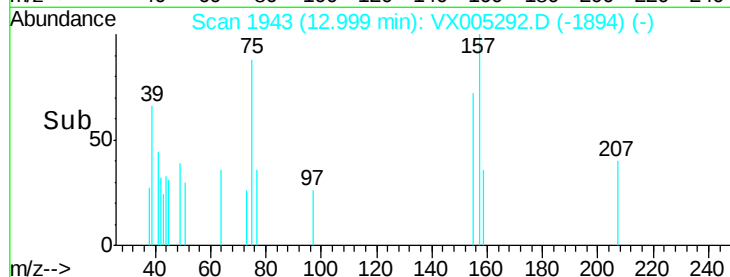
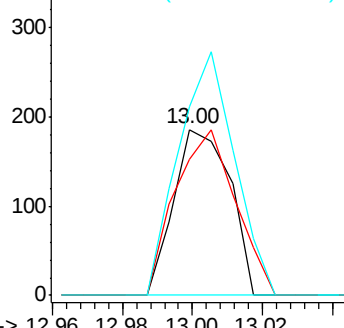
157 146.9 61.4 184.1



Abundance Ion 74.90 (74.60 to 75.60): VX005292.D (-1894) (-)

Ion 154.80 (154.50 to 155.50): VX005292.D (-1894) (-)

Ion 156.80 (156.50 to 157.50): VX005292.D (-1894) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.34 ug/l

RT: 13.65 min Scan# 2050

Delta R.T. 0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

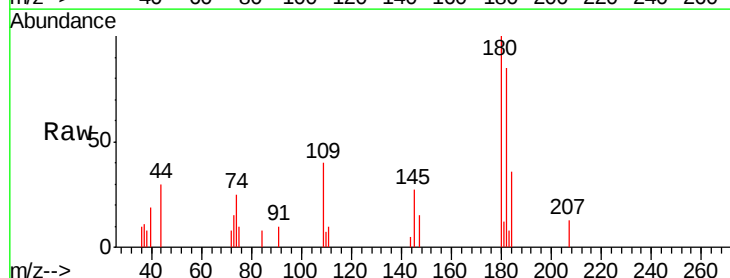
Tgt Ion: 180 Resp: 1426

Ion Ratio Lower Upper

180 100

182 99.1 48.4 145.0

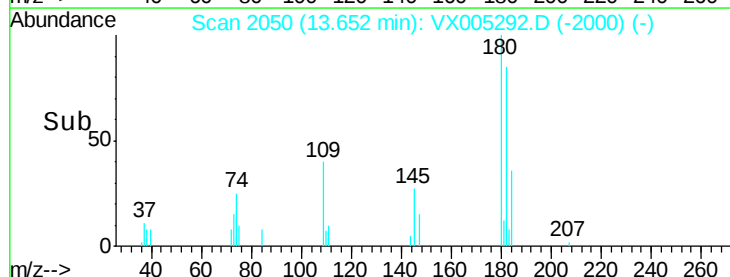
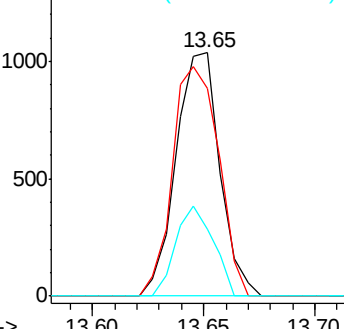
145 31.8 14.3 42.9

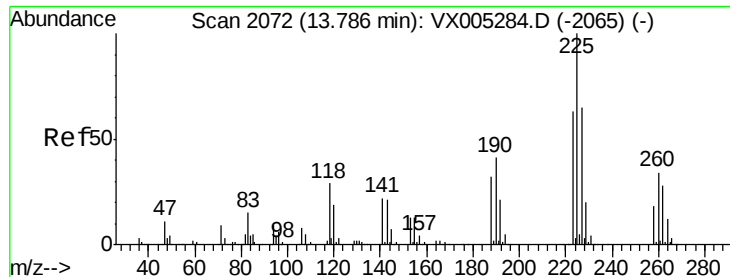


Abundance Ion 179.80 (179.50 to 180.50): VX005292.D (-2000) (-)

Ion 181.80 (181.50 to 182.50): VX005292.D (-2000) (-)

Ion 144.80 (144.50 to 145.50): VX005292.D (-2000) (-)





#94

Hexachlorobutadiene

Concen: 0.31 ug/l

RT: 13.79 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

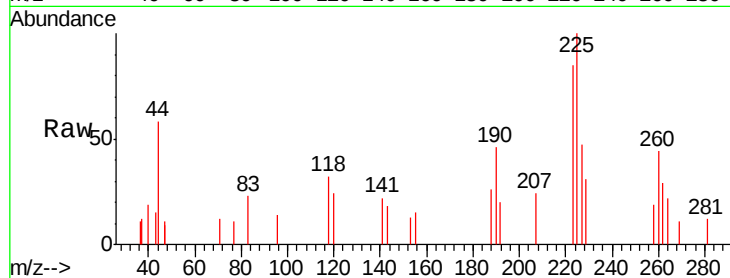
Tgt Ion:225 Resp: 679

Ion Ratio Lower Upper

225 100

223 69.5 30.1 90.5

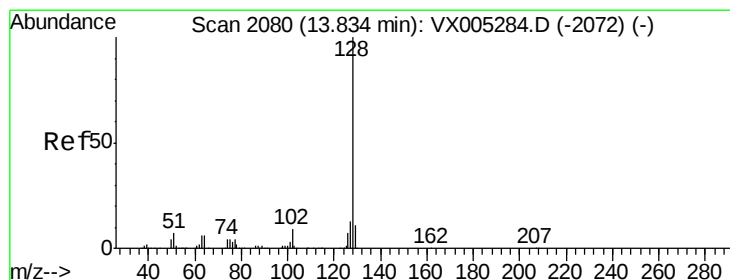
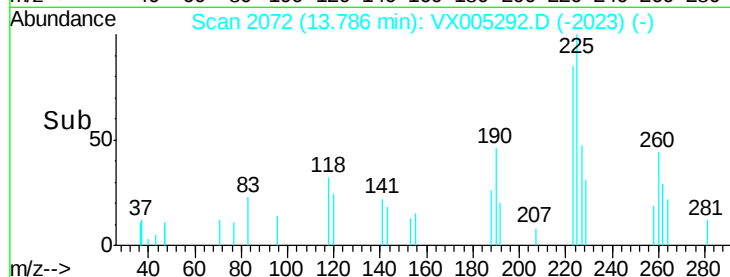
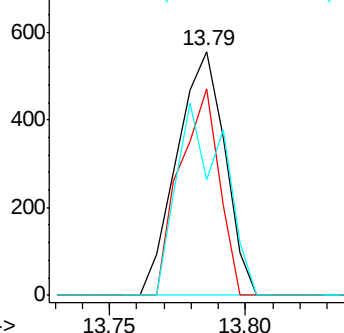
227 77.2 30.8 92.4



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.30 ug/l

RT: 13.84 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

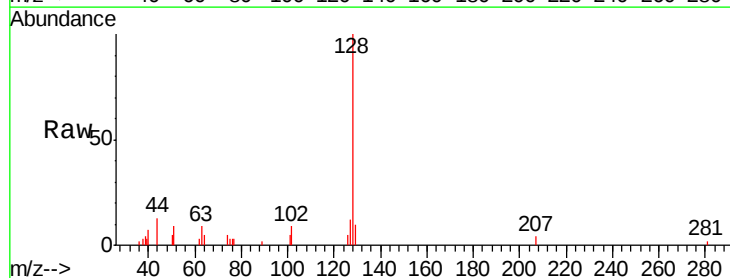
Tgt Ion:128 Resp: 3693

Ion Ratio Lower Upper

128 100

127 14.5 10.2 15.2

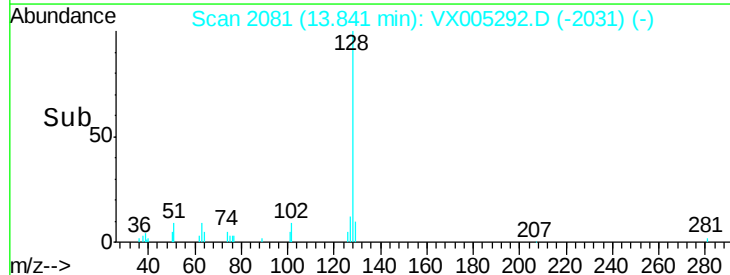
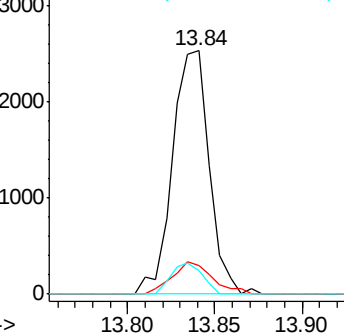
129 10.9 8.6 12.8

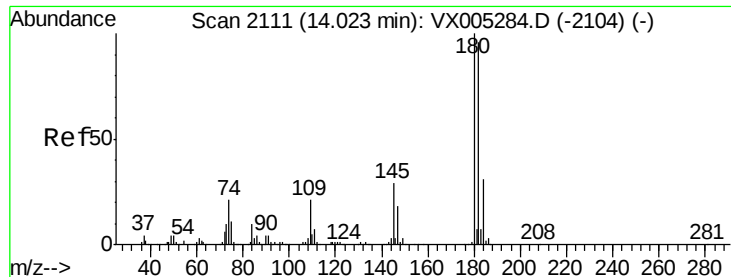


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.33 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.01 min
 Lab File: VX005292.D
 Acq: 12 Oct 2018 14:45

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	180	Resp:	1411
Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.5	145.6
145	32.5	14.9	44.9

