

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101218\
 Data File : VX005294.D
 Acq On : 12 Oct 2018 15:38
 Operator : JC/MD
 Sample : J5164-07 0.5ppb
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Oct 12 17:08:04 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	253425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	394858	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	340951	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	176446	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	158710	56.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.86%	
35) Dibromofluoromethane	5.49	113	121452	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	
50) Toluene-d8	8.71	98	421958	47.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.00%	
62) 4-Bromofluorobenzene	11.14	95	145145	43.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.06%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	1110	0.56 ug/l		84
3) Chloromethane	1.32	50	1977	0.69 ug/l		100
4) Vinyl Chloride	1.40	62	1799	0.62 ug/l		92
5) Bromomethane	1.64	94	1553	1.52 ug/l		94
6) Chloroethane	1.72	64	1158	0.94 ug/l		98
7) Trichlorofluoromethane	1.92	101	2131	0.55 ug/l	#	71
8) Diethyl Ether	2.19	74	1144	0.69 ug/l		99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	1344	0.60 ug/l		95
10) Methyl Iodide	2.51	142	1009	2.88 ug/l	#	89
11) Tert butyl alcohol	3.08	59	2472	3.12 ug/l	#	89
12) 1,1-Dichloroethene	2.37	96	1421	0.64 ug/l		96
13) Acrolein	2.30	56	1753	1.31 ug/l		88
14) Allyl chloride	2.73	41	2493	0.51 ug/l		94
15) Acrylonitrile	3.15	53	5074	2.82 ug/l	#	89
16) Acetone	2.45	43	4995	3.07 ug/l		96
17) Carbon Disulfide	2.57	76	4614	0.69 ug/l		100
18) Methyl Acetate	2.78	43	3877	0.84 ug/l		97
19) Methyl tert-butyl Ether	3.20	73	4313	0.55 ug/l		98
20) Methylene Chloride	2.86	84	2316	Below Cal		97
21) trans-1,2-Dichloroethene	3.16	96	1695	0.69 ug/l		98
22) Diisopropyl ether	3.87	45	4225	0.52 ug/l		95
23) Vinyl Acetate	3.83	43	17002	2.38 ug/l		96
24) 1,1-Dichloroethane	3.69	63	2821	0.60 ug/l	#	94
25) 2-Butanone	4.70	43	6968	2.93 ug/l	#	83
26) 2,2-Dichloropropane	4.57	77	1942	0.55 ug/l		99
27) cis-1,2-Dichloroethene	4.60	96	1467	0.55 ug/l	#	1
28) Bromochloromethane	5.02	49	1265	0.59 ug/l	#	96
29) Tetrahydrofuran	5.17	42	4379	2.89 ug/l		90
30) Chloroform	5.21	83	2298	0.53 ug/l		97
31) Cyclohexane	5.57	56	1817	0.47 ug/l		86
32) 1,1,1-Trichloroethane	5.49	97	2152	0.57 ug/l	#	50
36) 1,1-Dichloropropene	5.79	75	2205	0.58 ug/l	#	86
37) Ethyl Acetate	4.86	43	2564	0.52 ug/l	#	92
38) Carbon Tetrachloride	5.77	117	2409	0.63 ug/l	#	80

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	2072	0.50	ug/l #	91
40) Benzene	6.14	78	5556	0.48	ug/l	97
41) Methacrylonitrile	5.06	41	1596	0.61	ug/l #	89
42) 1,2-Dichloroethane	6.20	62	2018	0.50	ug/l	94
43) Isopropyl Acetate	6.47	43	3167	0.48	ug/l	98
45) 1,2-Dichloropropane	7.51	63	1330	0.47	ug/l #	85
46) Dibromomethane	7.66	93	950	0.51	ug/l	94
47) Bromodichloromethane	7.90	83	1635	0.48	ug/l	96
48) Methyl methacrylate	7.78	41	1485	0.44	ug/l	88
49) 1,4-Dioxane	7.77	88	703	8.97	ug/l #	72
51) 4-Methyl-2-Pentanone	8.65	43	8966	1.98	ug/l	96
52) Toluene	8.79	92	3086	0.49	ug/l	93
53) t-1,3-Dichloropropene	9.04	75	1657	0.45	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	1623	0.40	ug/l	91
55) 1,1,2-Trichloroethane	9.22	97	1308	0.49	ug/l	93
56) Ethyl methacrylate	9.18	69	1480	0.38	ug/l #	74
57) 1,3-Dichloropropane	9.37	76	2146	0.48	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	3393	1.56	ug/l	91
59) 2-Hexanone	9.50	43	7570	2.07	ug/l	85
60) Dibromochloromethane	9.58	129	1154	0.42	ug/l	87
61) 1,2-Dibromoethane	9.68	107	1222	0.44	ug/l	91
64) Tetrachloroethene	9.34	164	1489	0.54	ug/l	85
65) Chlorobenzene	10.13	112	3929	0.54	ug/l #	86
66) 1,1,1,2-Tetrachloroethane	10.23	131	1090	0.42	ug/l #	58
67) Ethyl Benzene	10.26	91	5563	0.47	ug/l	92
68) m/p-Xylenes	10.36	106	4055	0.89	ug/l	99
69) o-Xylene	10.70	106	1871	0.42	ug/l	99
70) Styrene	10.71	104	2892	0.40	ug/l	96
71) Bromoform	10.85	173	983	0.43	ug/l #	99
73) Isopropylbenzene	11.02	105	4566	0.44	ug/l	94
74) N-amyl acetate	10.90	43	2055	0.41	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	2091	0.53	ug/l	96
76) 1,2,3-Trichloropropane	11.30	75	2363	0.69	ug/l	95
77) Bromobenzene	11.26	156	1727	0.58	ug/l	96
78) n-propylbenzene	11.36	91	5774	0.48	ug/l	99
79) 2-Chlorotoluene	11.42	91	3952	0.53	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	4160	0.46	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.14	75	71912	63.84	ug/l #	10
82) 4-Chlorotoluene	11.51	91	4450	0.51	ug/l	97
83) tert-Butylbenzene	11.77	119	4185	0.46	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	4052	0.44	ug/l	97
85) sec-Butylbenzene	11.94	105	4657	0.43	ug/l	100
86) p-Isopropyltoluene	12.07	119	4096	0.42	ug/l #	84
87) 1,3-Dichlorobenzene	12.02	146	3033	0.54	ug/l	96
88) 1,4-Dichlorobenzene	12.02	146	3033	0.53	ug/l	97
89) n-Butylbenzene	12.39	91	4161	0.47	ug/l	93
90) Hexachloroethane	12.60	117	814	0.49	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	2903	0.51	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.01	75	482	0.50	ug/l	92
93) 1,2,4-Trichlorobenzene	13.65	180	2114	0.50	ug/l	98

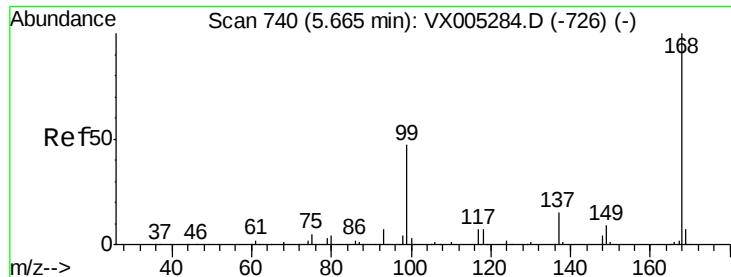
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	1145	0.52	ug/l	91
95) Naphthalene	13.83	128	5177	0.43	ug/l #	96
96) 1,2,3-Trichlorobenzene	14.02	180	2184	0.51	ug/l	96

(#) = 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: VX005294.D

Acq: 12 Oct 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

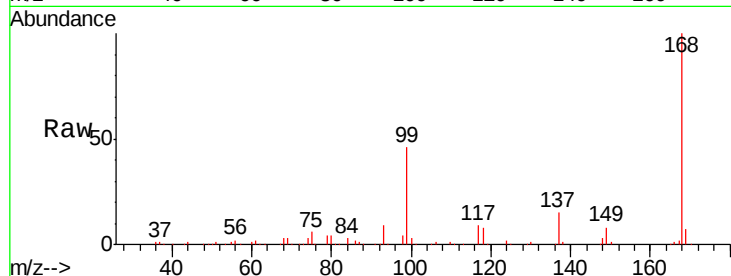
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:168 Resp: 253425

Ion Ratio Lower Upper

168 100

99 46.4 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

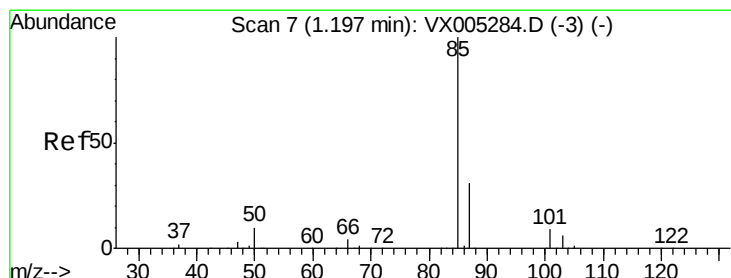
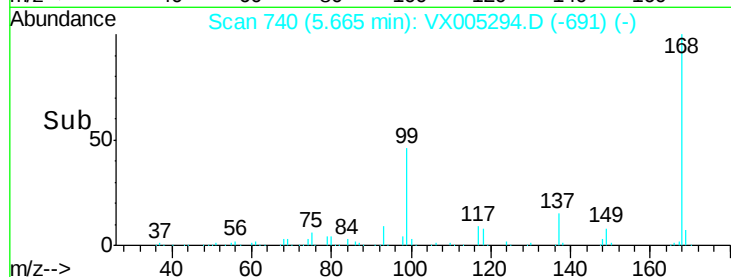
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.56 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005294.D

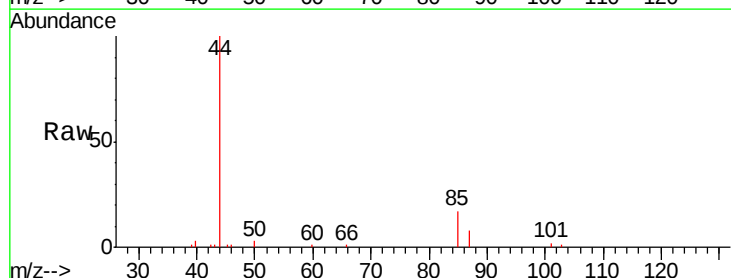
Acq: 12 Oct 2018 15:38

Tgt Ion: 85 Resp: 1110

Ion Ratio Lower Upper

85 100

87 42.9 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

1200

1000

800

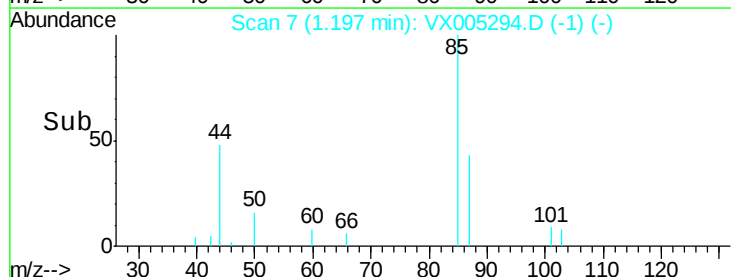
600

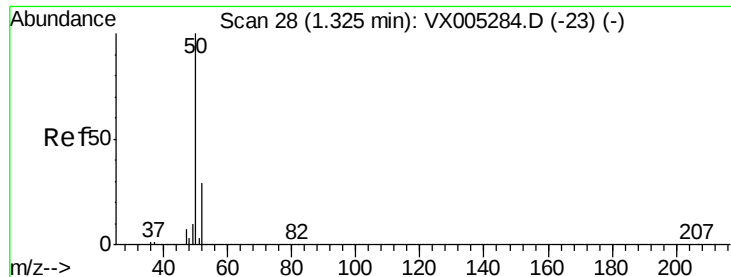
400

200

0

Time--> 1.20 1.25





#3

Chloromethane

Concen: 0.69 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

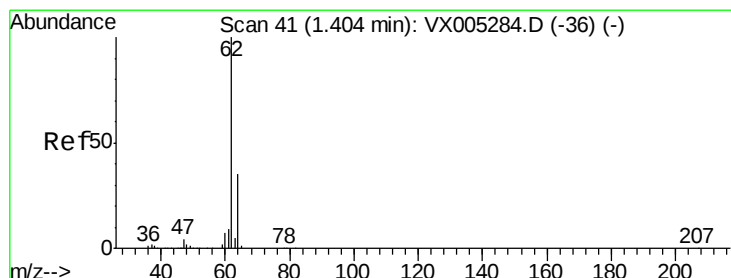
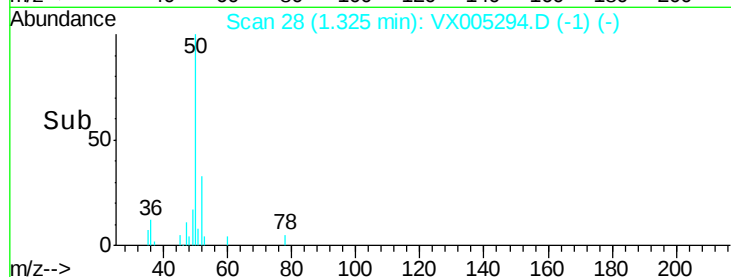
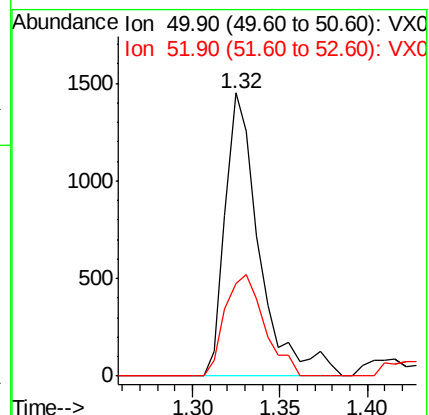
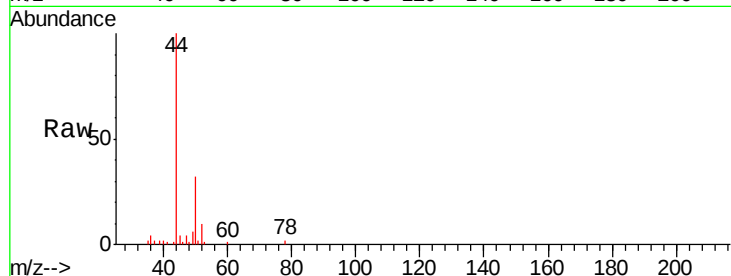
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 50 Resp: 1977

Ion Ratio Lower Upper

50 100

52 32.6 26.2 39.2



#4

Vinyl Chloride

Concen: 0.62 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005294.D

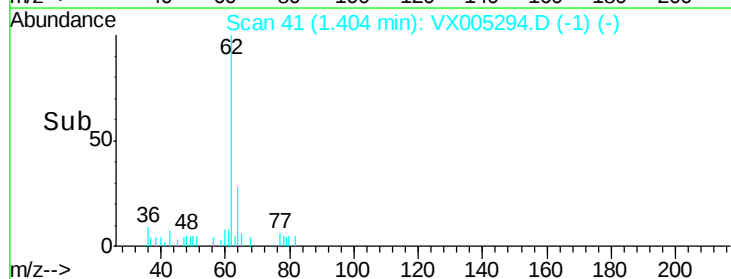
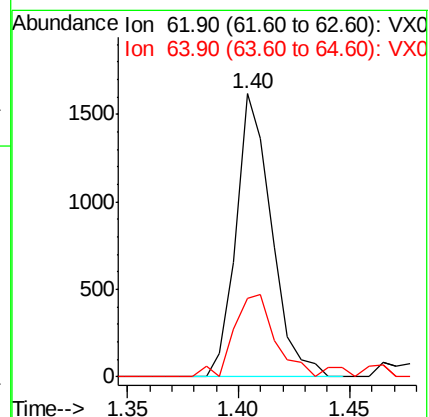
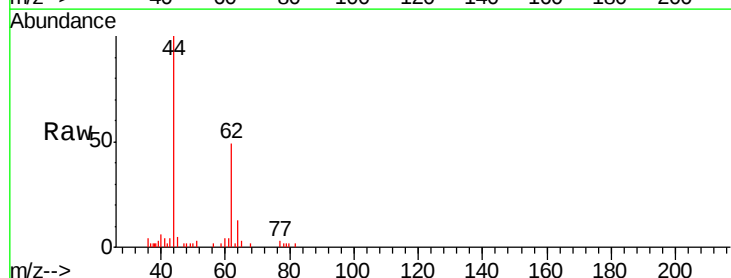
Acq: 12 Oct 2018 15:38

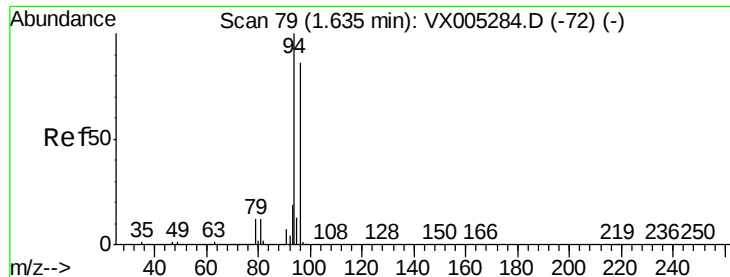
Tgt Ion: 62 Resp: 1799

Ion Ratio Lower Upper

62 100

64 27.6 25.8 38.8





#5

Bromomethane

Concen: 1.52 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

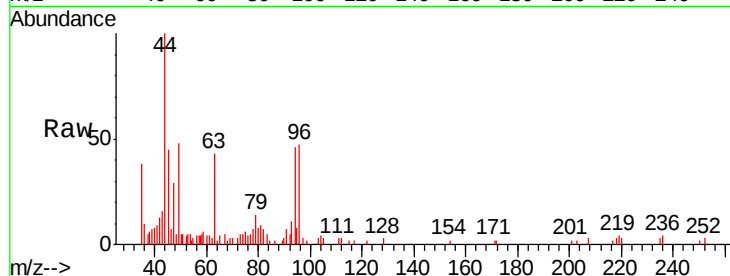
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 94 Resp: 1553

Ion Ratio Lower Upper

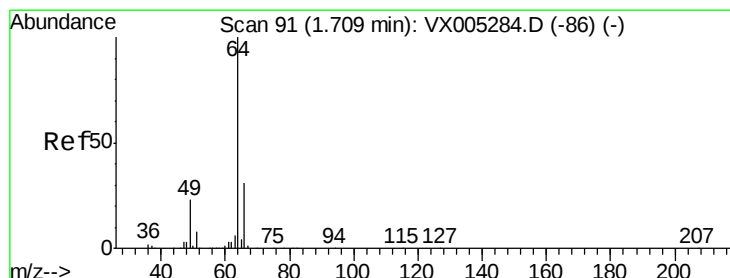
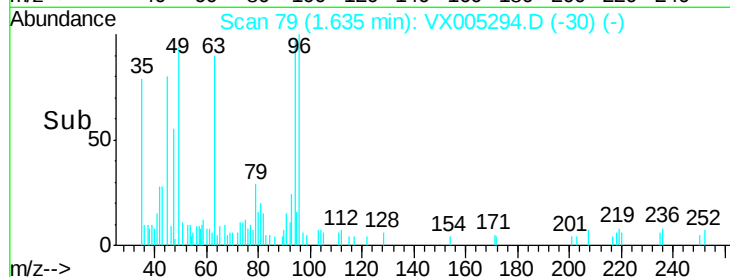
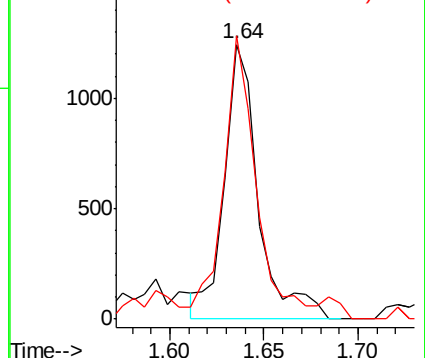
94 100

96 99.0 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.94 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005294.D

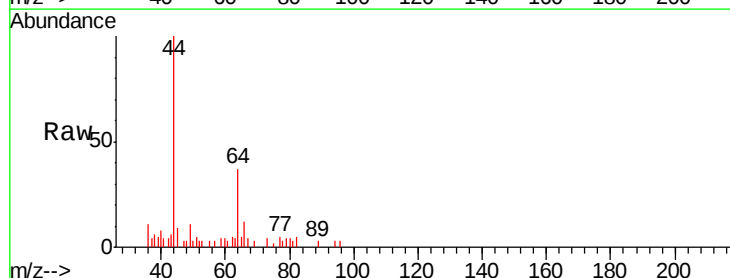
Acq: 12 Oct 2018 15:38

Tgt Ion: 64 Resp: 1158

Ion Ratio Lower Upper

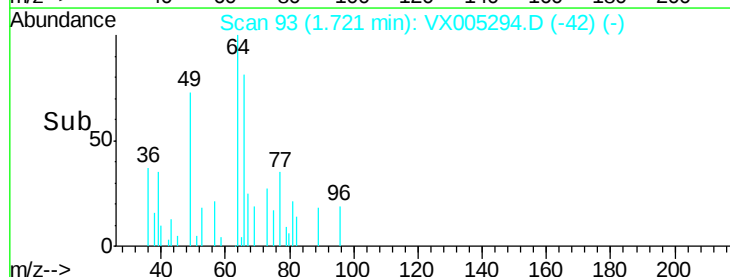
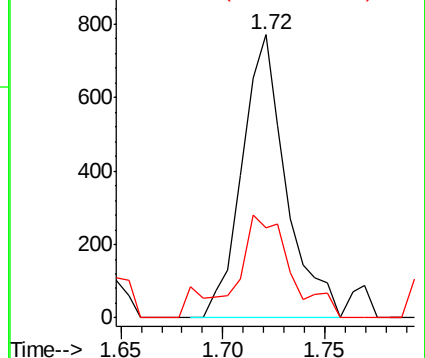
64 100

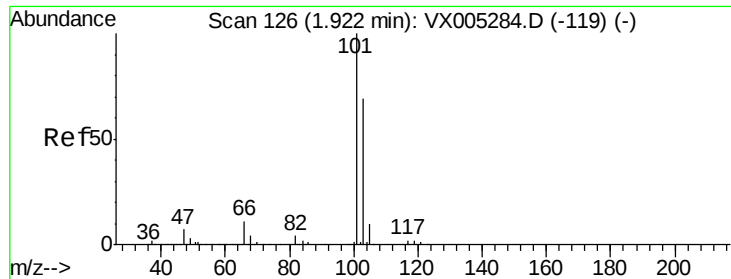
66 31.9 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 0.55 ug/l

RT: 1.92 min Scan# 126

Delta R.T. 0.00 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

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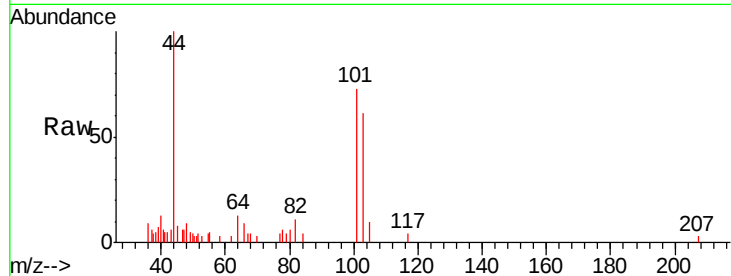
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:101 Resp: 2131

Ion Ratio Lower Upper

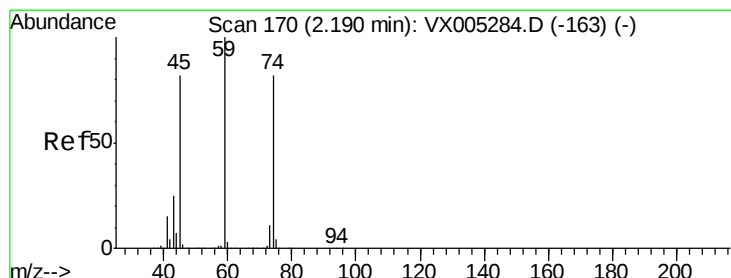
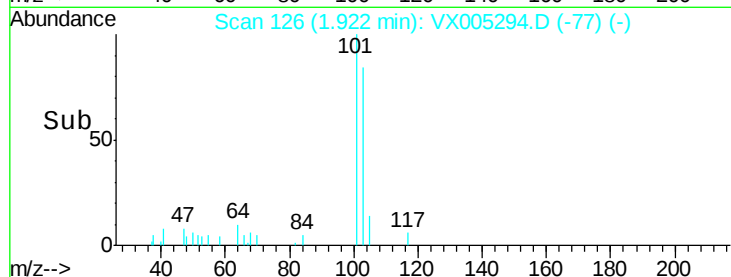
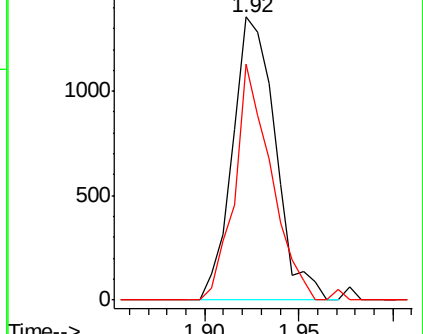
101 100

103 83.5 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: 0.69 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.00 min

Lab File: VX005294.D

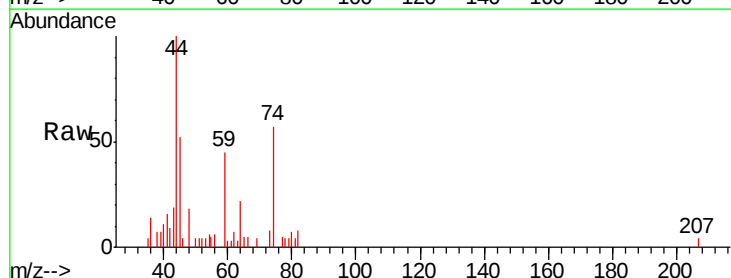
Acq: 12 Oct 2018 15:38

Tgt Ion: 74 Resp: 1144

Ion Ratio Lower Upper

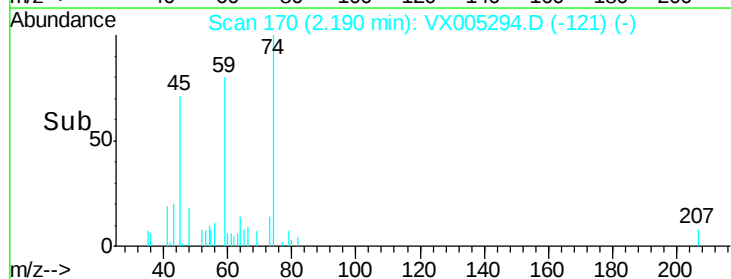
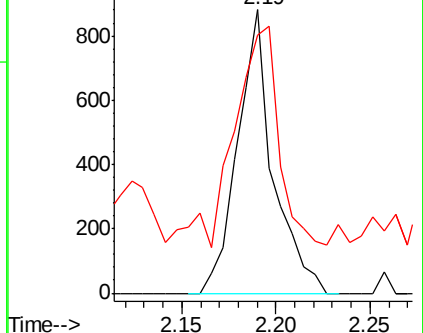
74 100

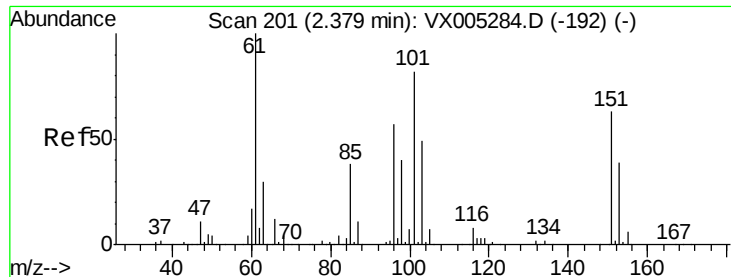
45 97.3 48.3 144.8



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: 0.60 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

Instrument :

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ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

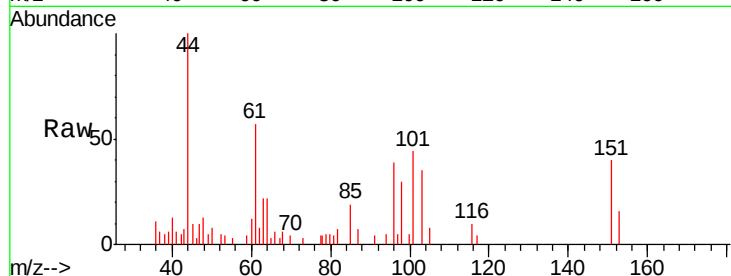
Tgt Ion:101 Resp: 1344

Ion Ratio Lower Upper

101 100

85 46.6 34.2 51.4

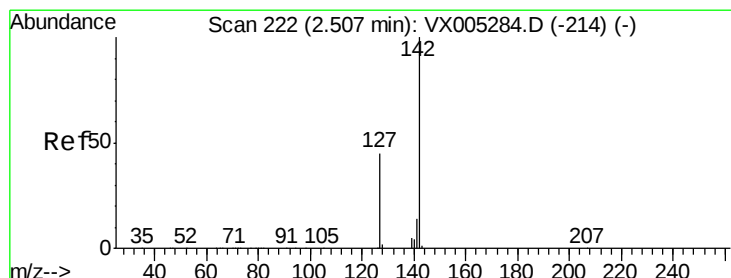
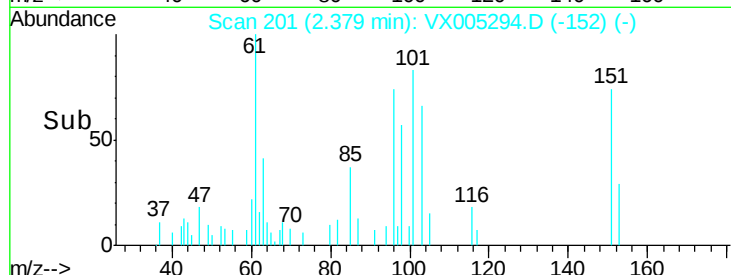
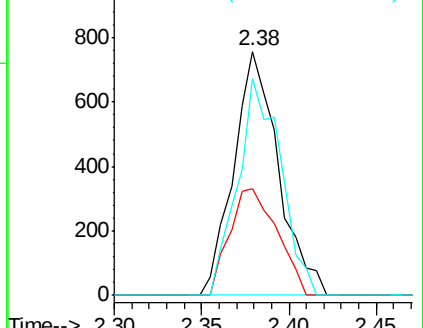
151 85.9 65.0 97.6



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: 2.88 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

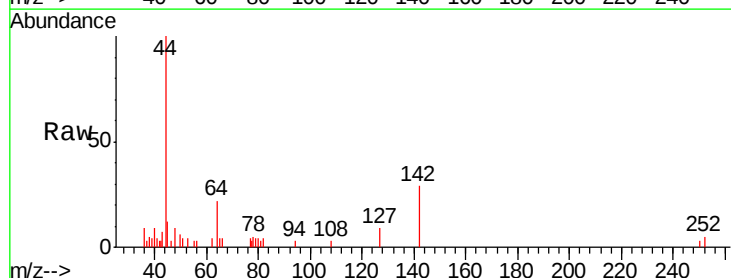
Tgt Ion:142 Resp: 1009

Ion Ratio Lower Upper

142 100

127 49.4 33.8 50.6

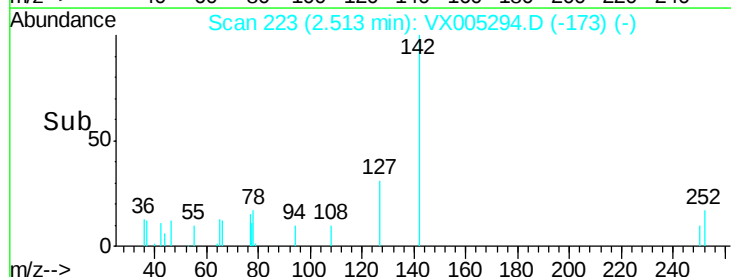
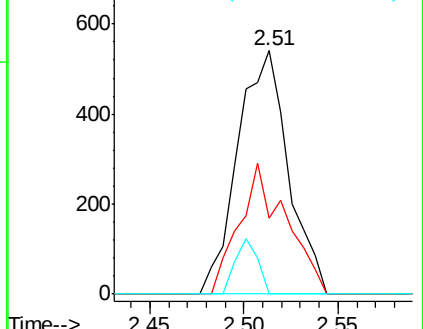
141 10.0 11.4 17.0#

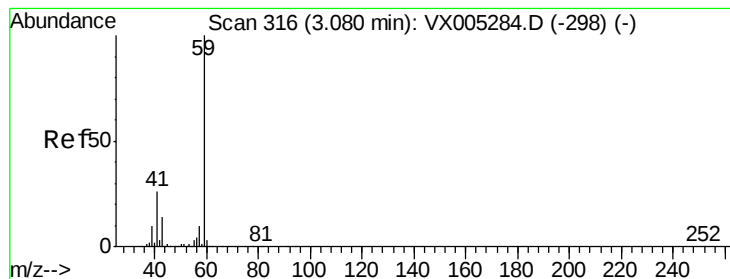


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 3.12 ug/l

RT: 3.08 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

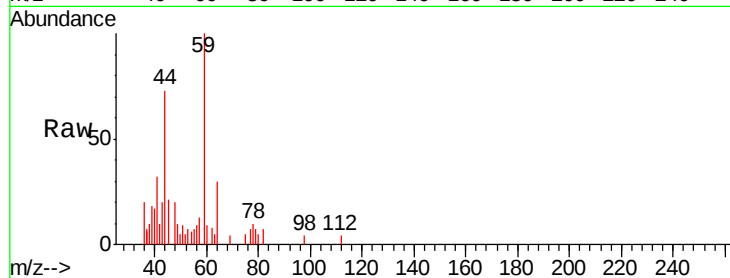
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 59 Resp: 2472

Ion Ratio Lower Upper

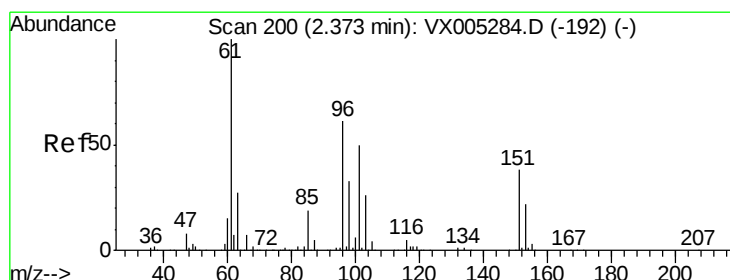
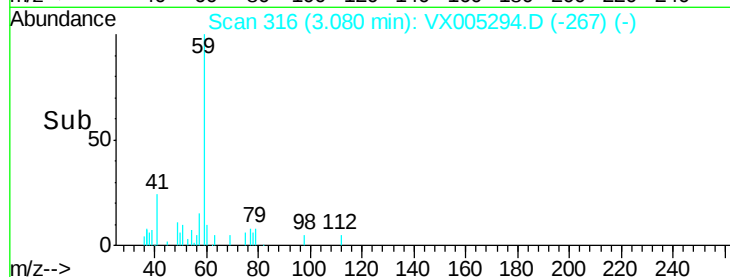
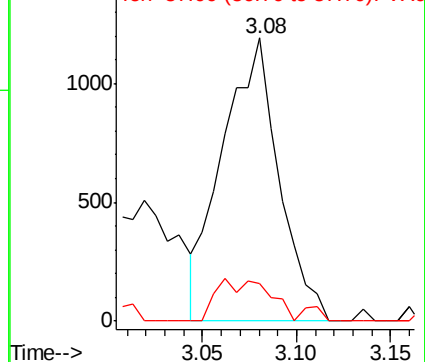
59 100

57 6.1 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: 0.64 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

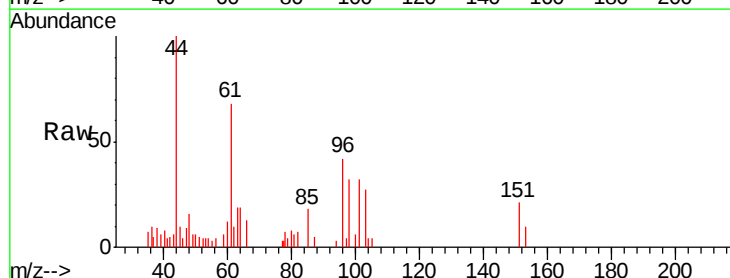
Tgt Ion: 96 Resp: 1421

Ion Ratio Lower Upper

96 100

61 161.3 128.8 193.2

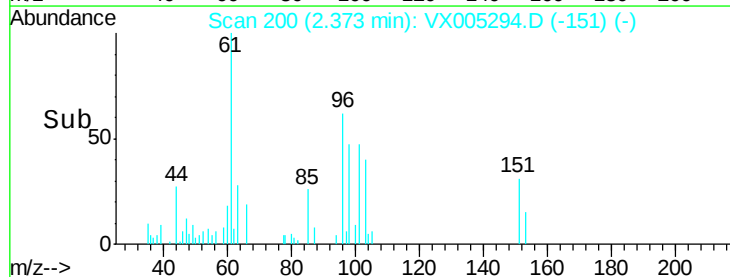
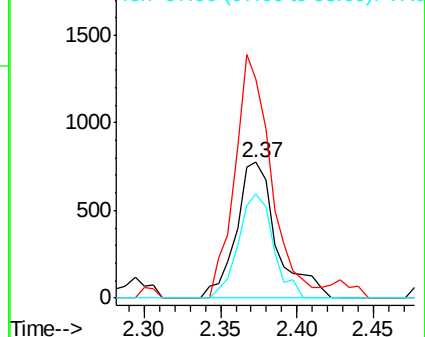
98 76.3 52.2 78.2

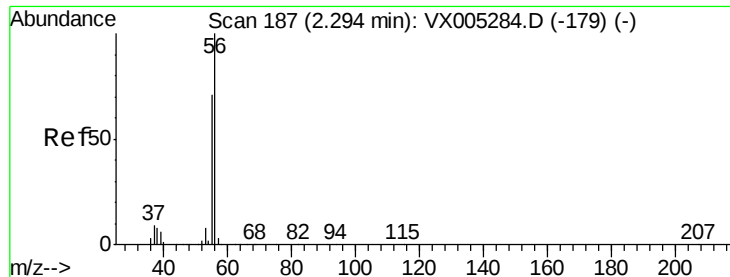


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#13

Acrolein

Concen: 1.31 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

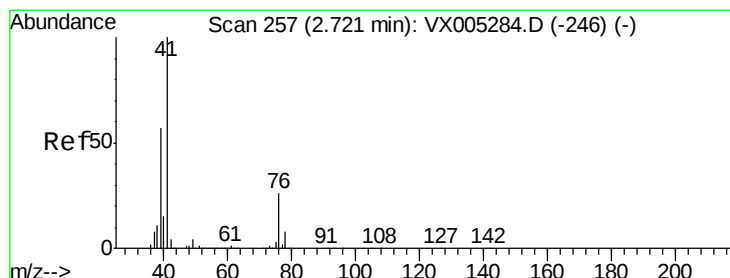
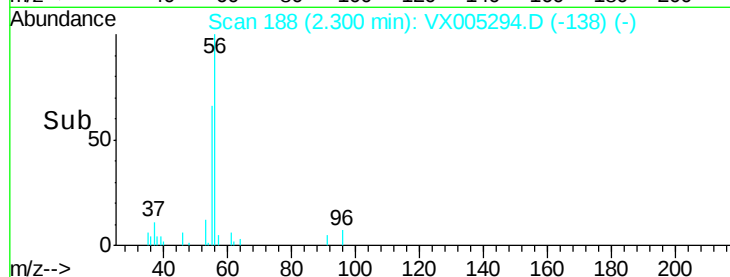
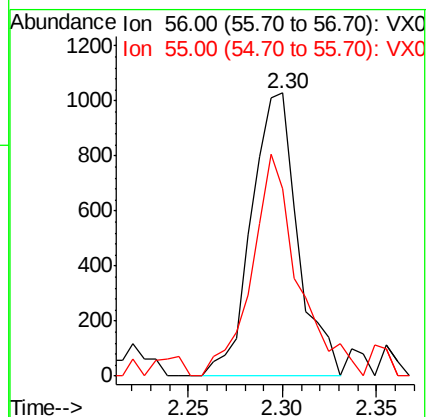
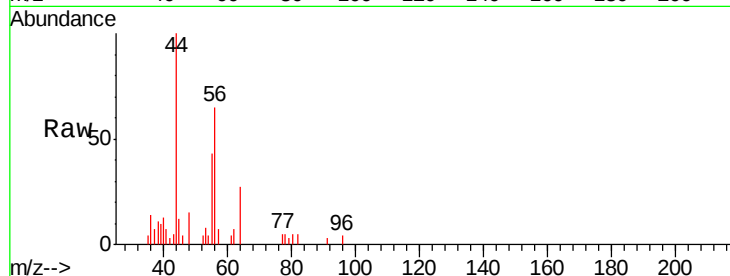
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 56 Resp: 1753

Ion Ratio Lower Upper

56 100

55 78.3 54.7 82.1



#14

Allyl chloride

Concen: 0.51 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

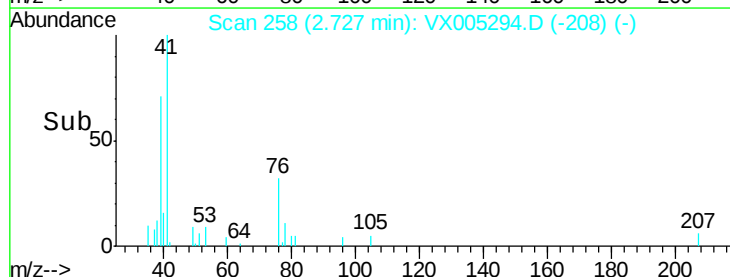
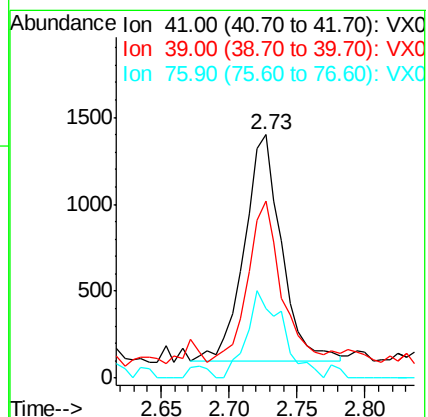
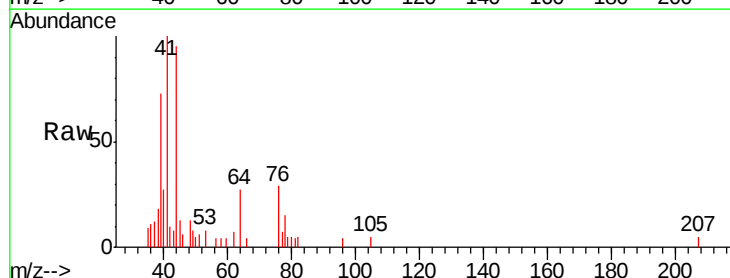
Tgt Ion: 41 Resp: 2493

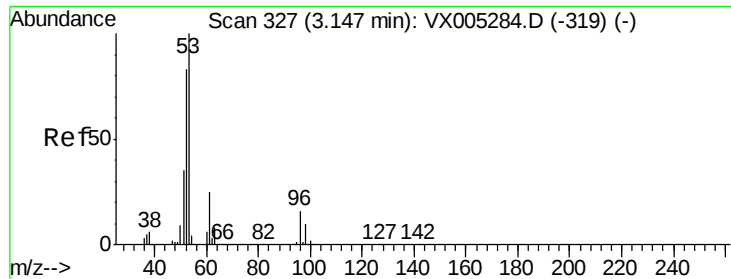
Ion Ratio Lower Upper

41 100

39 65.1 48.9 73.3

76 37.4 26.7 40.1





#15

Acrylonitrile

Concen: 2.82 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

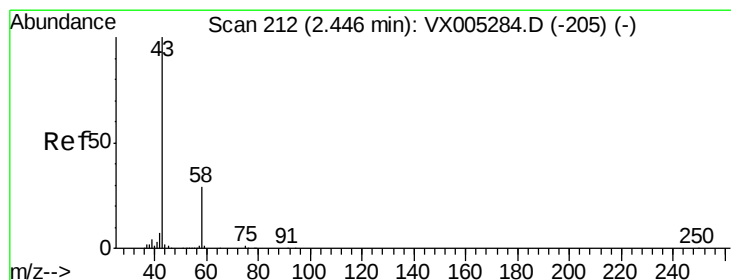
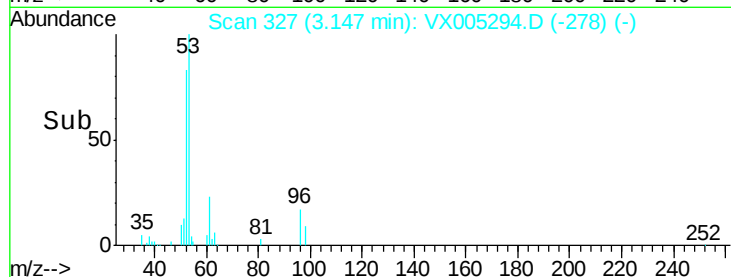
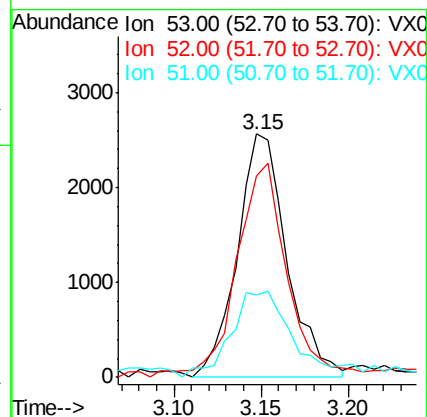
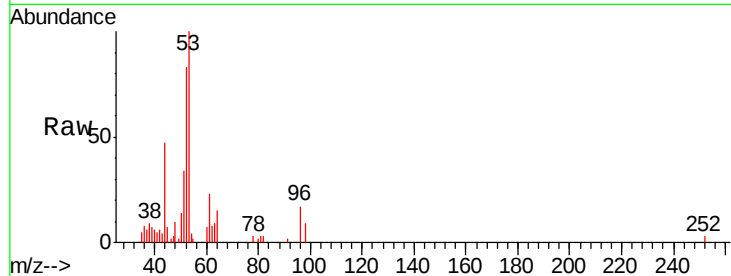
Tgt Ion: 53 Resp: 5074

Ion Ratio Lower Upper

53 100

52 89.5 65.2 97.8

51 44.3 28.2 42.2#



#16

Acetone

Concen: 3.07 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005294.D

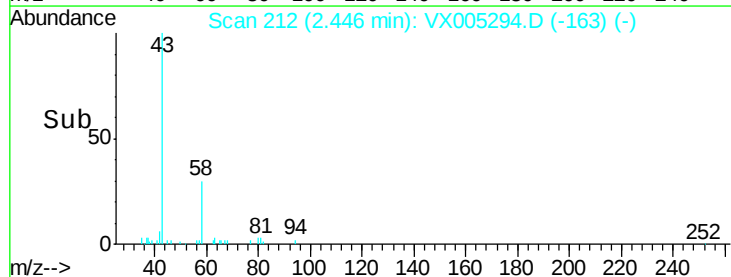
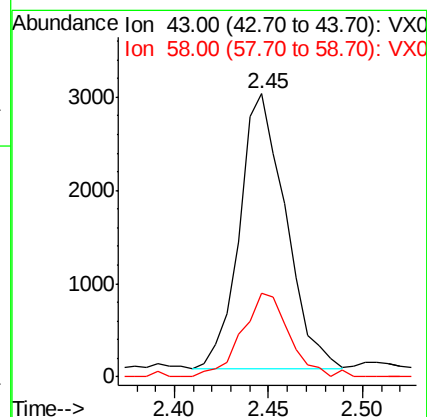
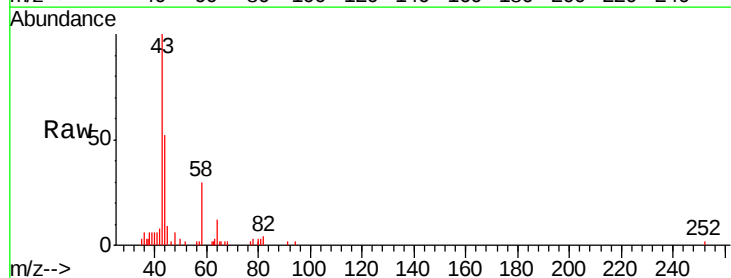
Acq: 12 Oct 2018 15:38

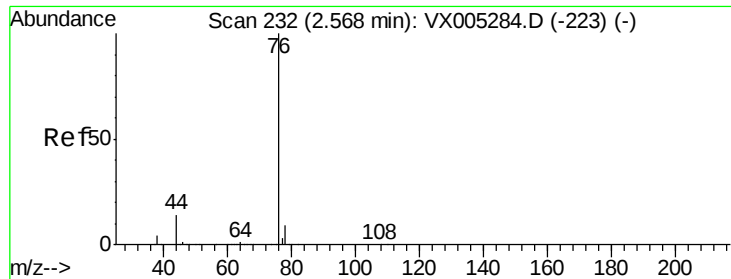
Tgt Ion: 43 Resp: 4995

Ion Ratio Lower Upper

43 100

58 30.5 26.2 39.4





#17

Carbon Disulfide

Concen: 0.69 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

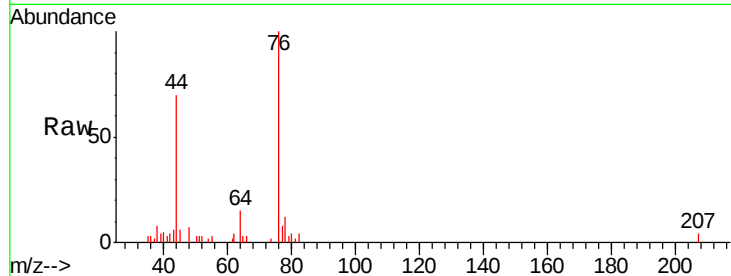
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 76 Resp: 4614

Ion Ratio Lower Upper

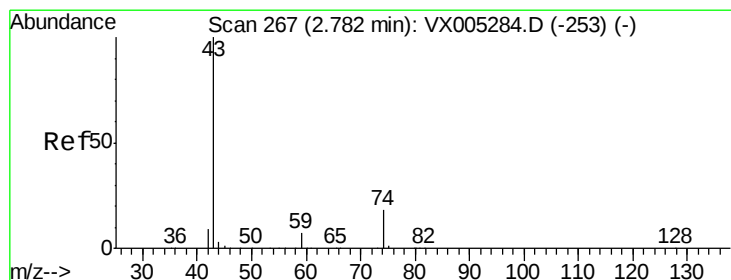
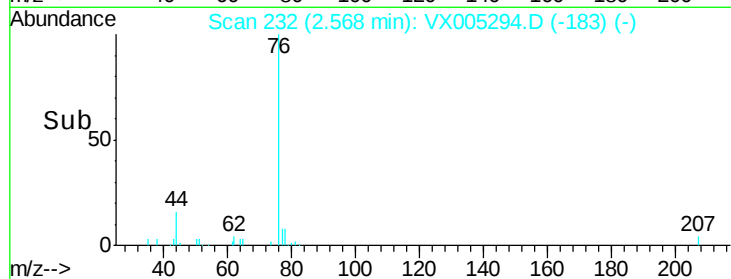
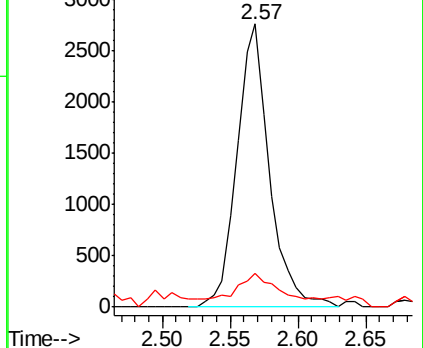
76 100

78 8.9 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.84 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005294.D

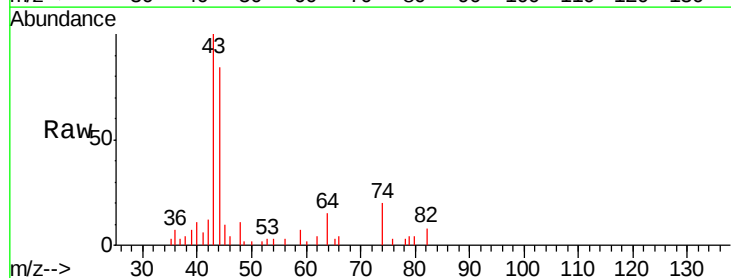
Acq: 12 Oct 2018 15:38

Tgt Ion: 43 Resp: 3877

Ion Ratio Lower Upper

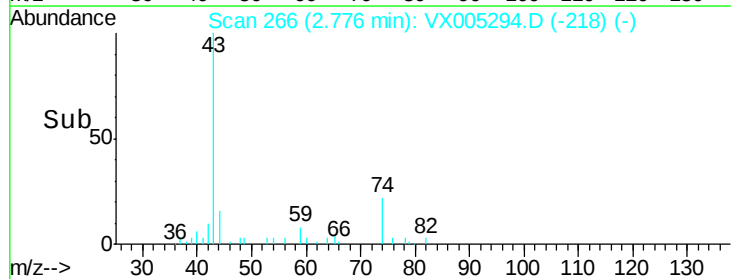
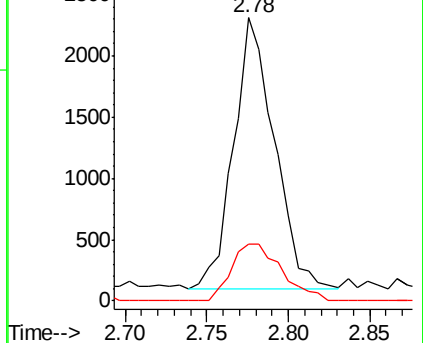
43 100

74 25.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

Methyl tert-butyl Ether

Concen: 0.55 ug/l

RT: 3.20 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

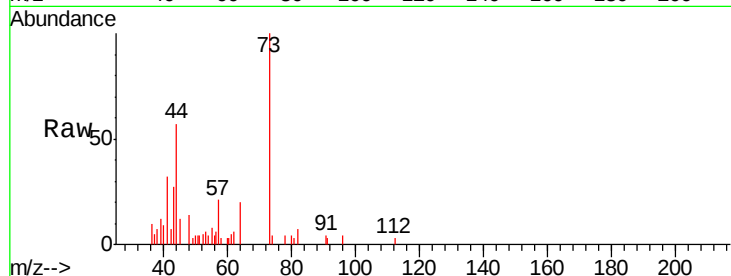
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 73 Resp: 4313

Ion Ratio Lower Upper

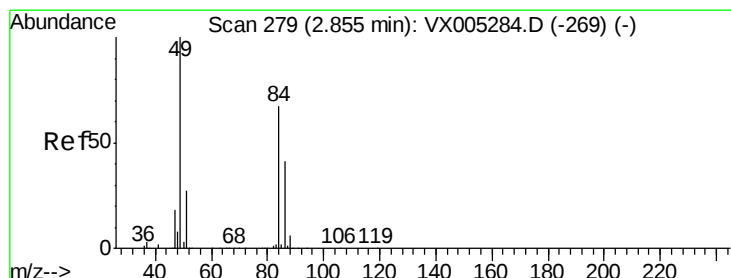
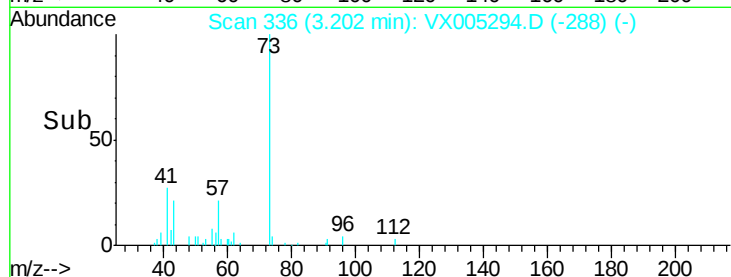
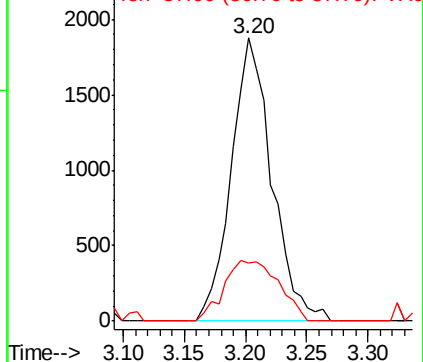
73 100

57 20.6 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

Tgt Ion: 84 Resp: 2316

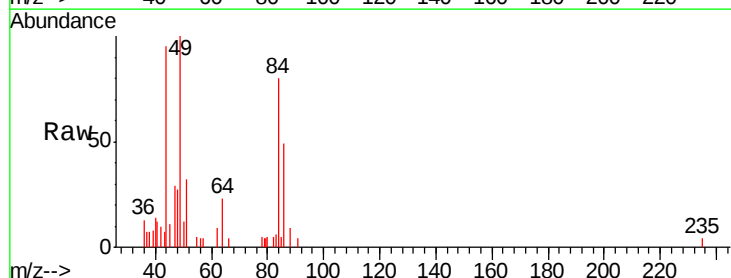
Ion Ratio Lower Upper

84 100

49 124.3 101.2 151.8

51 39.5 29.5 44.3

86 60.8 52.3 78.5

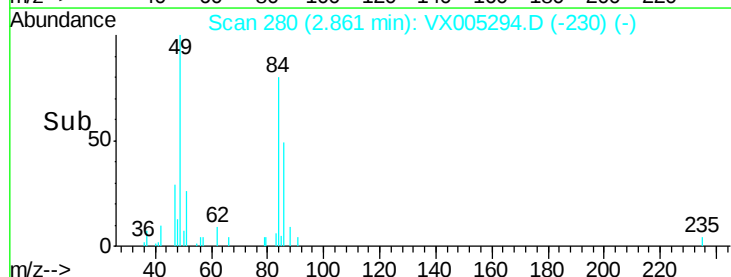
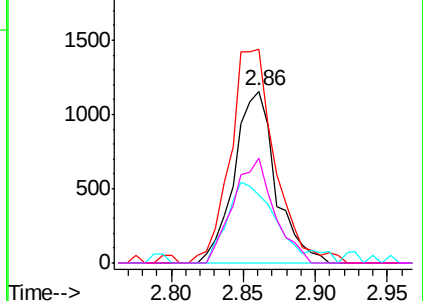


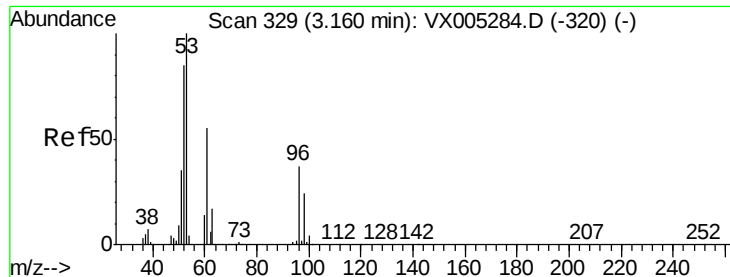
Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.69 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

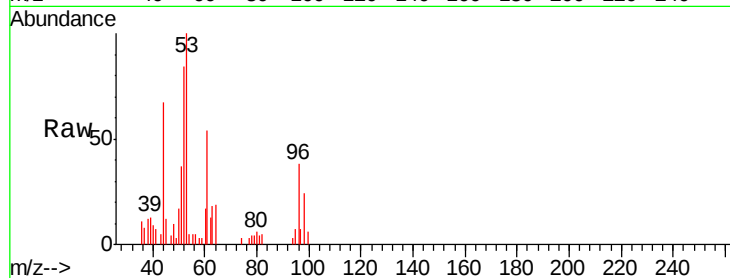
Tgt Ion: 96 Resp: 1695

Ion Ratio Lower Upper

96 100

61 141.5 113.8 170.6

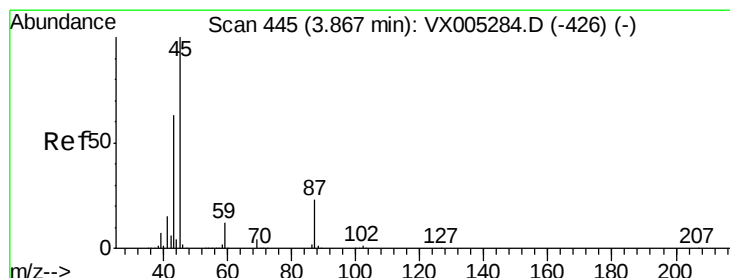
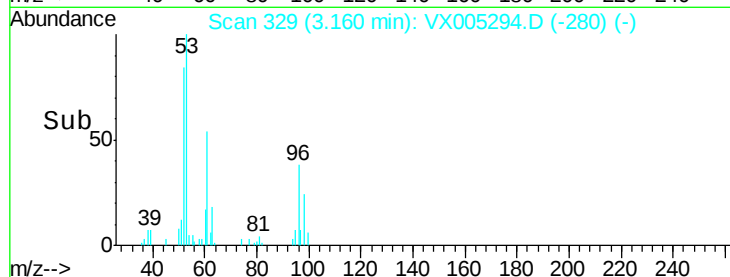
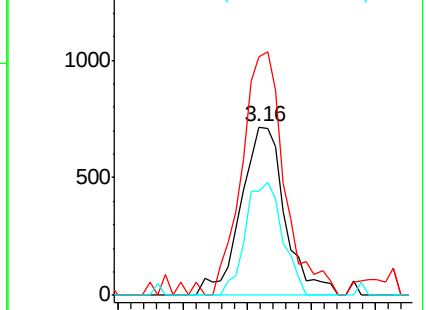
98 61.8 51.8 77.8



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: 0.52 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

Tgt Ion: 45 Resp: 4225

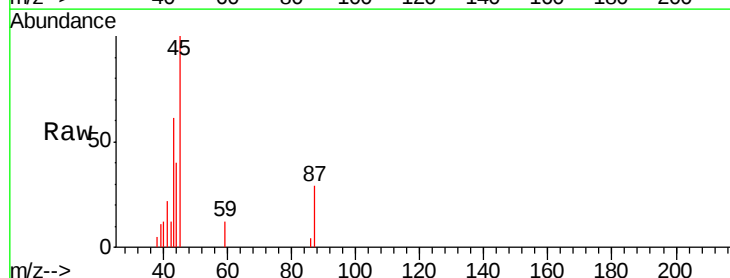
Ion Ratio Lower Upper

45 100

43 57.5 42.8 64.2

87 30.8 22.6 34.0

59 12.9 9.6 14.4

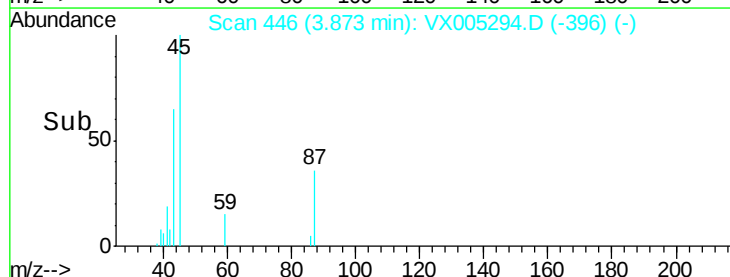
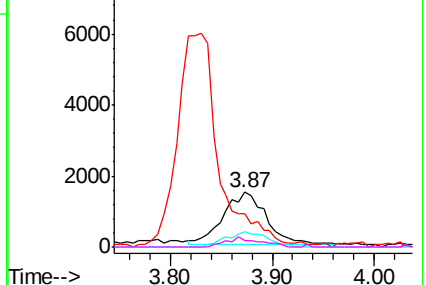


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 2.38 ug/l

RT: 3.83 min Scan# 439

Delta R.T. 0.01 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

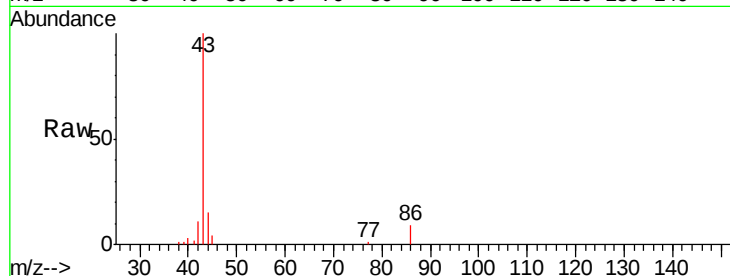
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 43 Resp: 17002

Ion Ratio Lower Upper

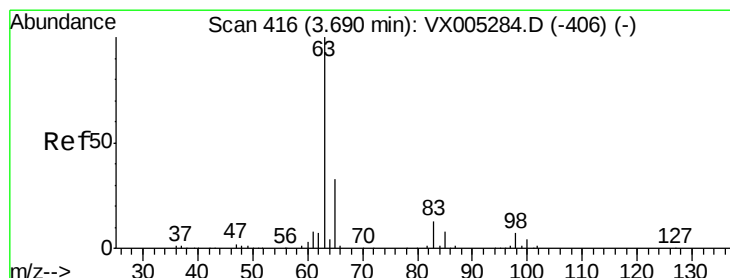
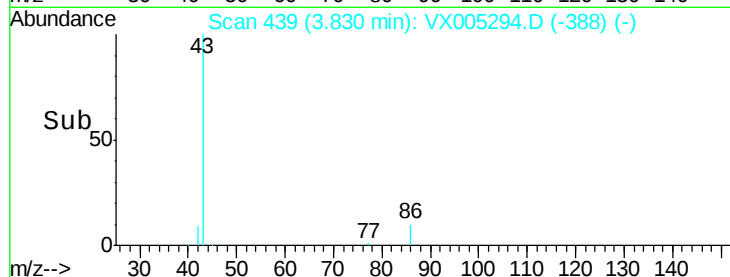
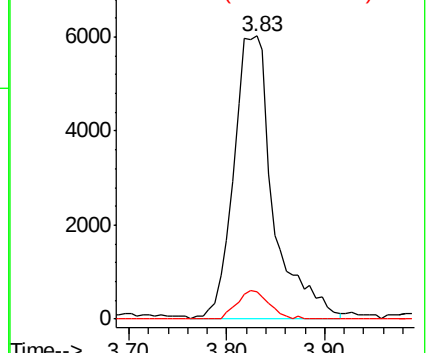
43 100

86 9.5 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 0.60 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

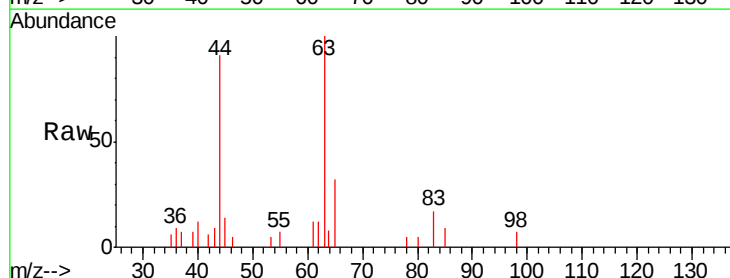
Tgt Ion: 63 Resp: 2821

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.4

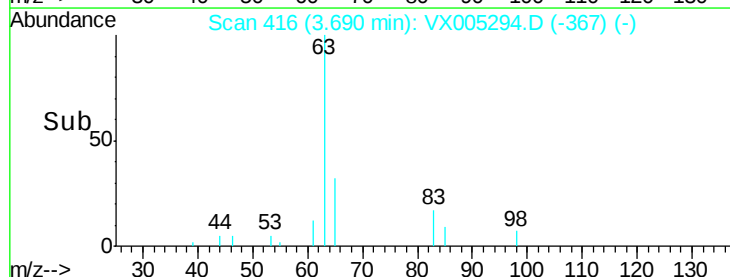
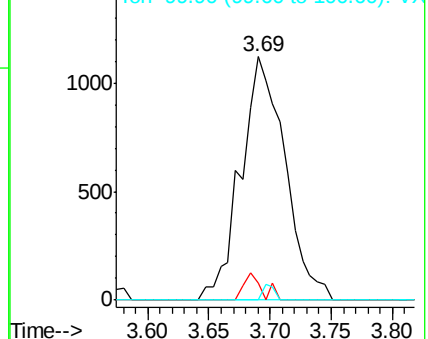
100 0.0 2.4 7.1#

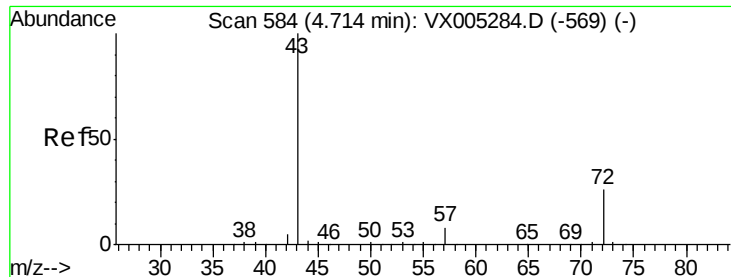


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 2.93 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

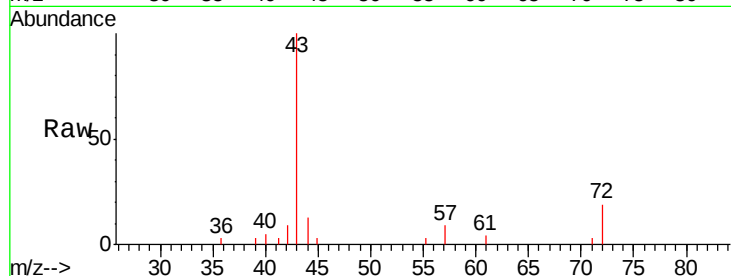
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 43 Resp: 6968

Ion Ratio Lower Upper

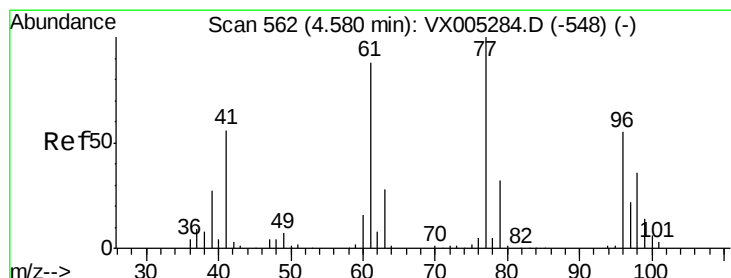
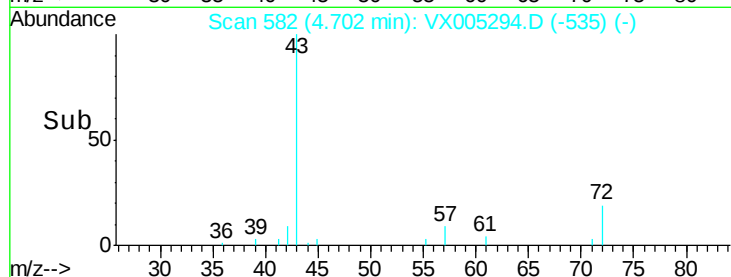
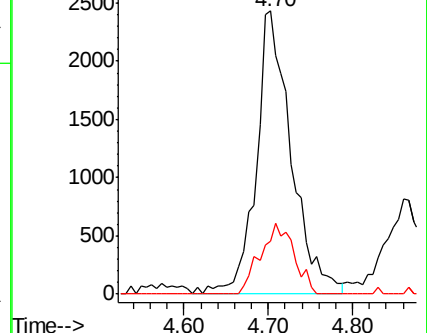
43 100

72 18.6 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 0.55 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX005294.D

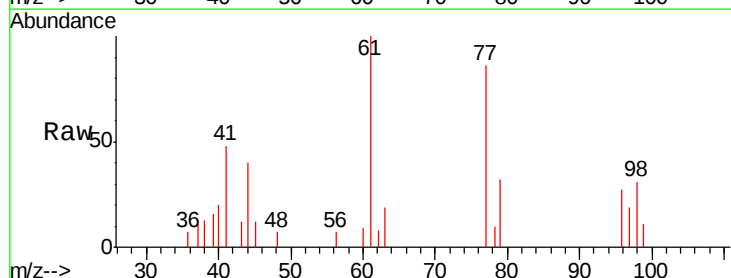
Acq: 12 Oct 2018 15:38

Tgt Ion: 77 Resp: 1942

Ion Ratio Lower Upper

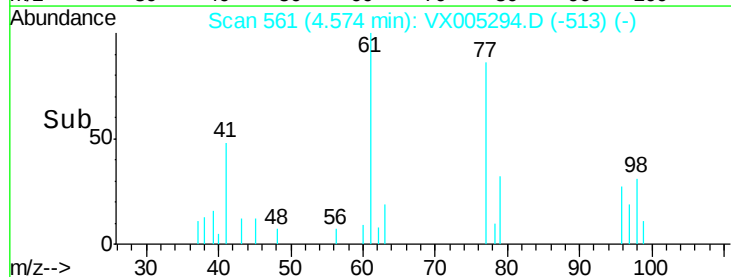
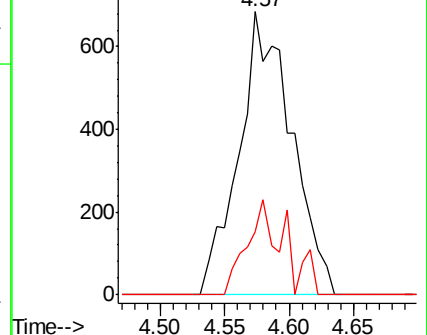
77 100

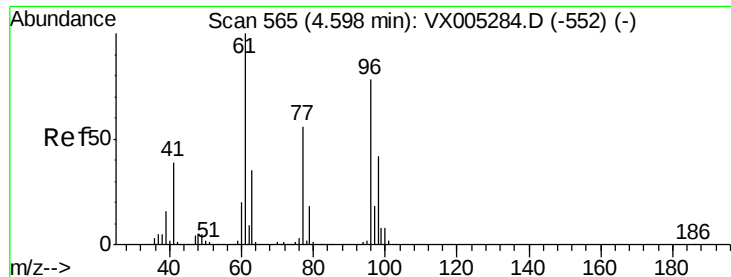
97 23.9 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 0.55 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

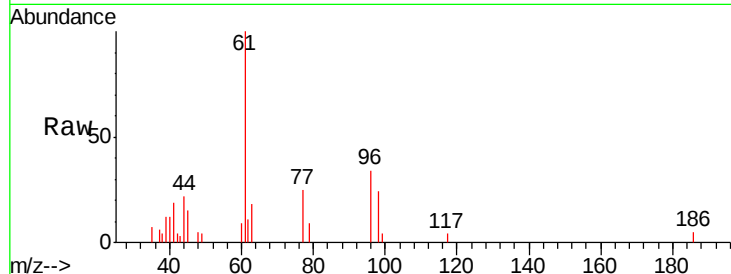
Tgt Ion: 96 Resp: 1467

Ion Ratio Lower Upper

96 100

61 372.0 0.0 282.6#

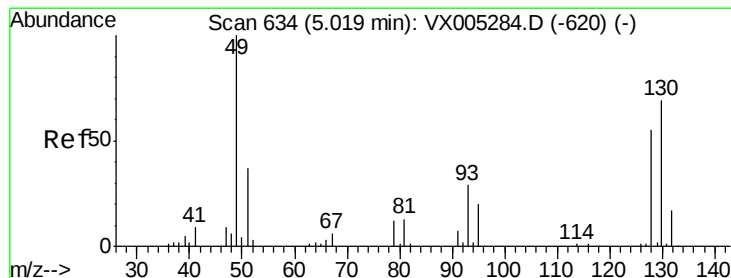
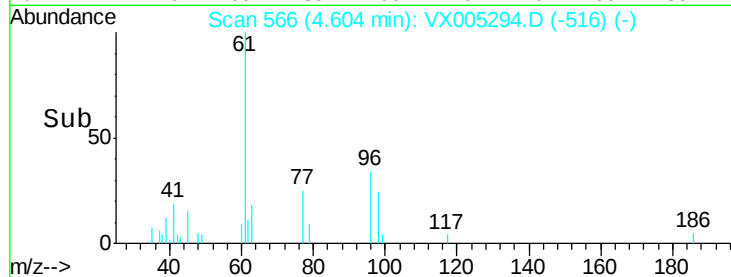
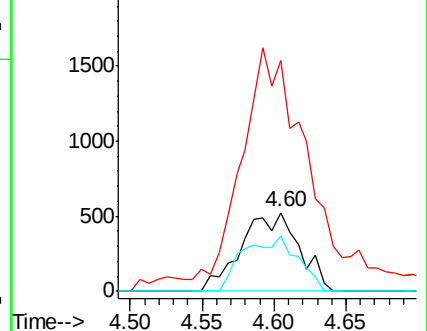
98 65.6 0.0 130.2



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



#28

Bromochloromethane

Concen: 0.59 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

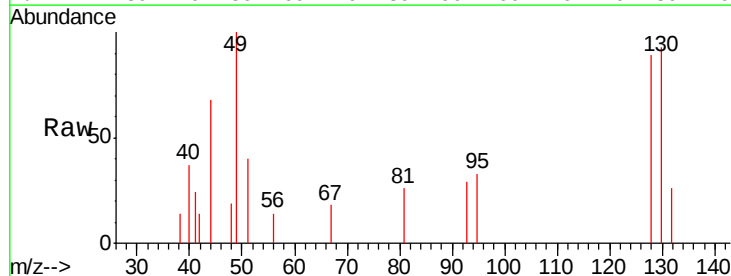
Tgt Ion: 49 Resp: 1265

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

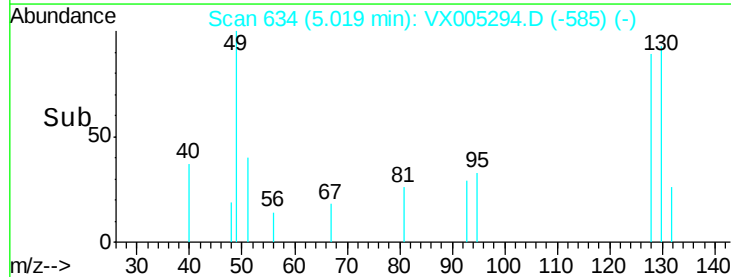
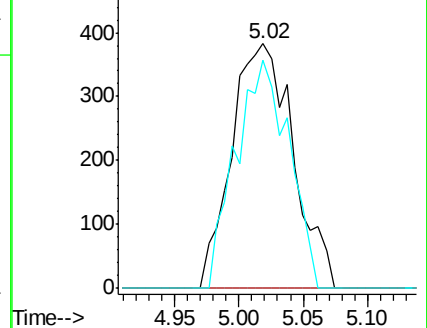
130 81.2 67.5 101.3

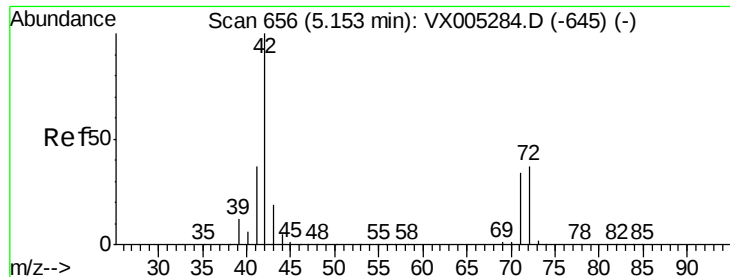


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

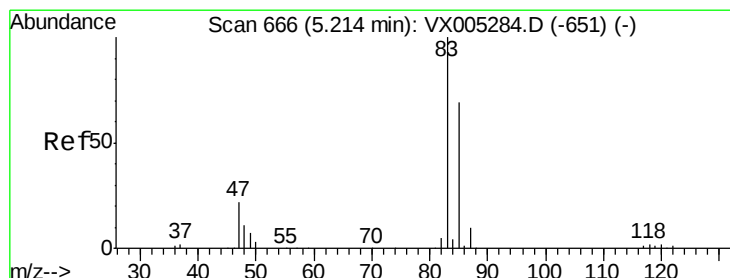
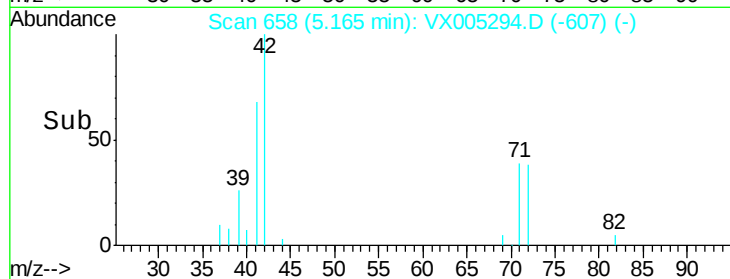
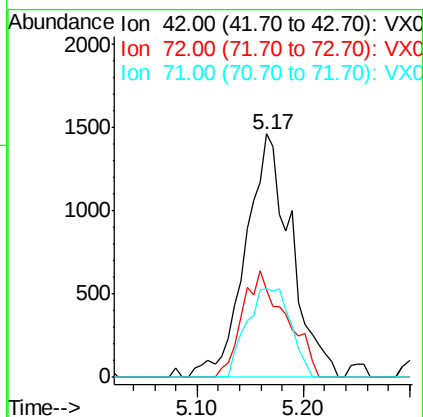
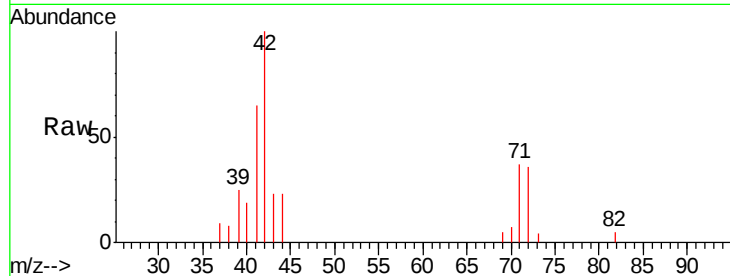




#29
Tetrahydrofuran
Concen: 2.89 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX005294.D
Acq: 12 Oct 2018 15:38

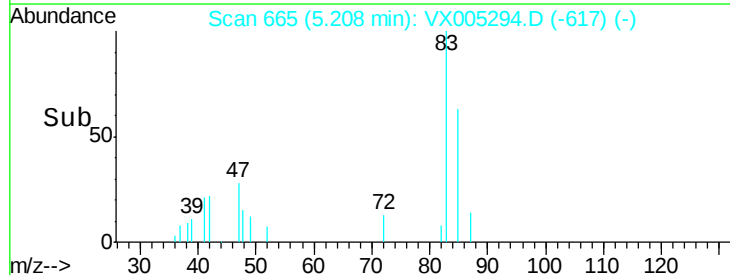
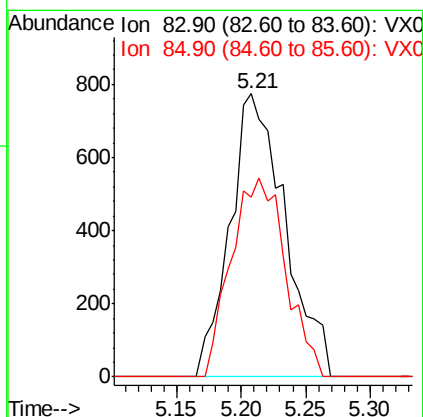
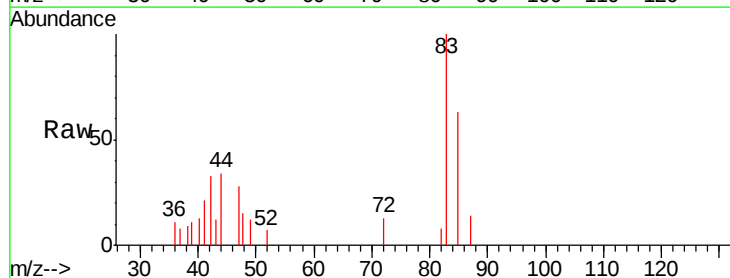
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

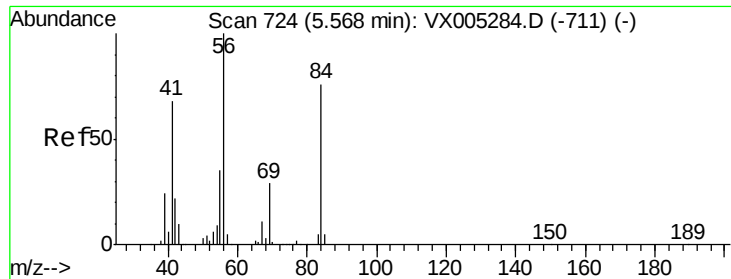
Tgt Ion: 42 Resp: 4379
Ion Ratio Lower Upper
42 100
72 41.8 37.4 56.0
71 35.3 34.5 51.7



#30
Chloroform
Concen: 0.53 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX005294.D
Acq: 12 Oct 2018 15:38

Tgt Ion: 83 Resp: 2298
Ion Ratio Lower Upper
83 100
85 63.3 52.6 79.0

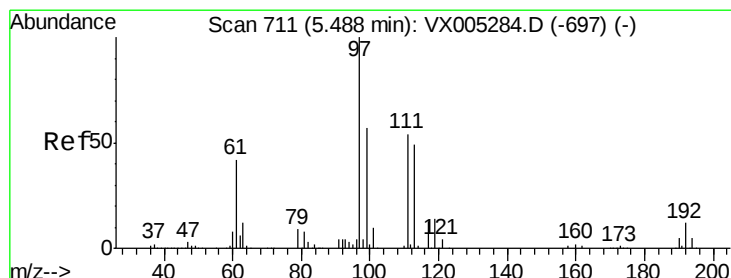
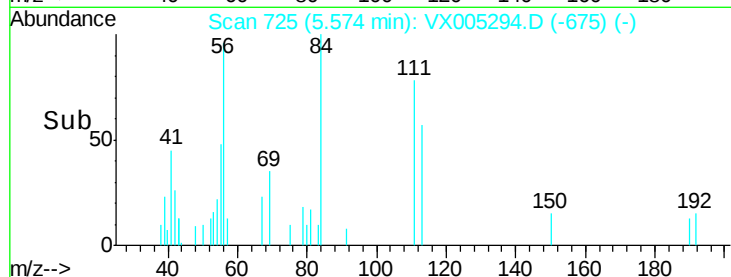
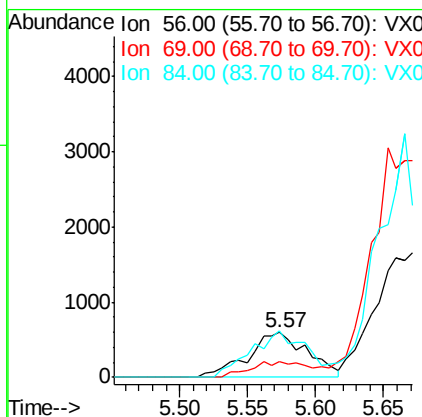
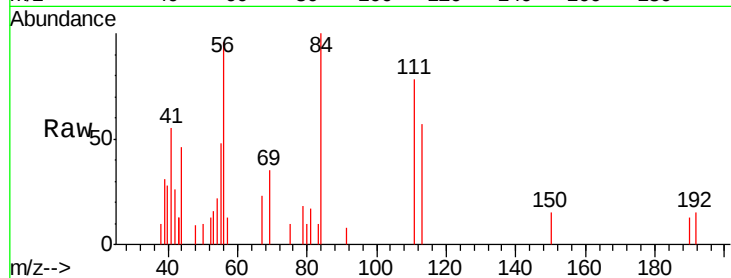




#31
Cyclohexane
Concen: 0.47 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.01 min
Lab File: VX005294.D
Acq: 12 Oct 2018 15:38

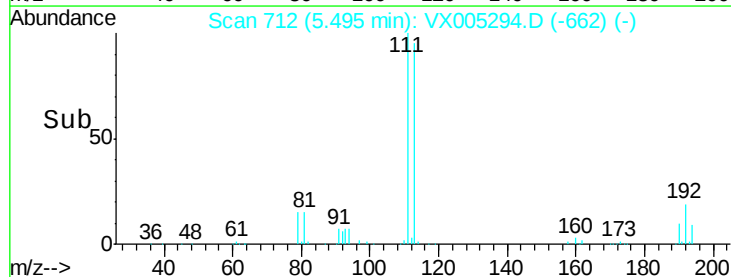
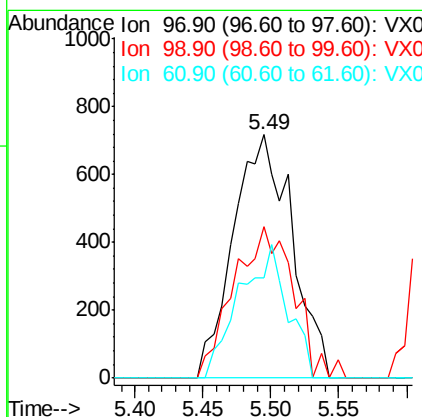
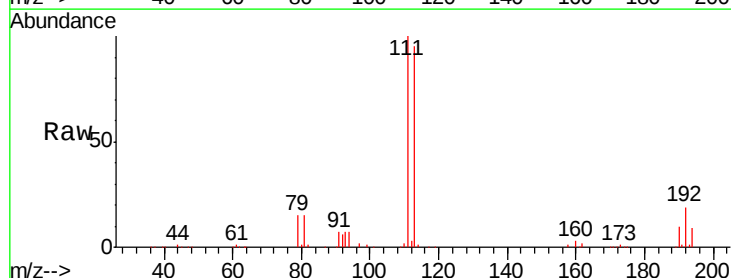
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

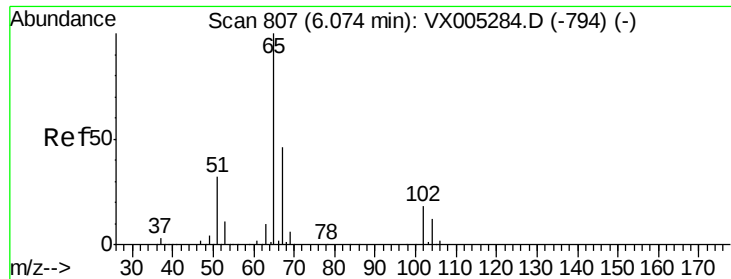
Tgt Ion: 56 Resp: 1817
Ion Ratio Lower Upper
56 100
69 36.4 25.4 38.2
84 104.0 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 0.57 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX005294.D
Acq: 12 Oct 2018 15:38

Tgt Ion: 97 Resp: 2152
Ion Ratio Lower Upper
97 100
99 0.0 52.0 78.0#
61 45.2 34.9 52.3





#33

1,2-Dichloroethane-d4

Concen: 56.43 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

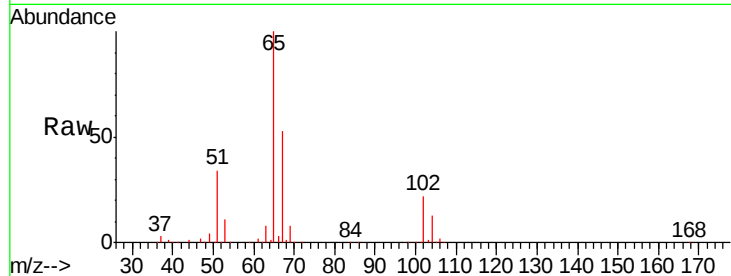
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 65 Resp: 158710

Ion Ratio Lower Upper

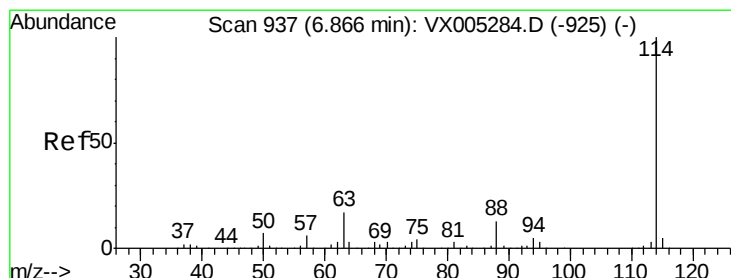
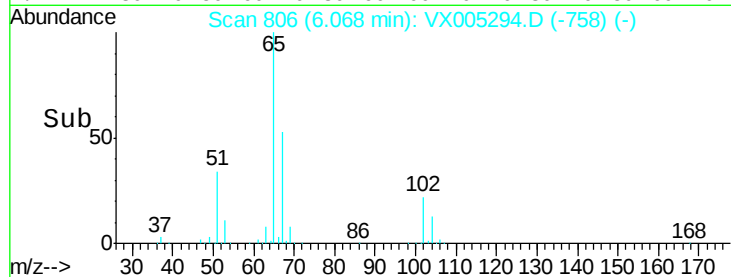
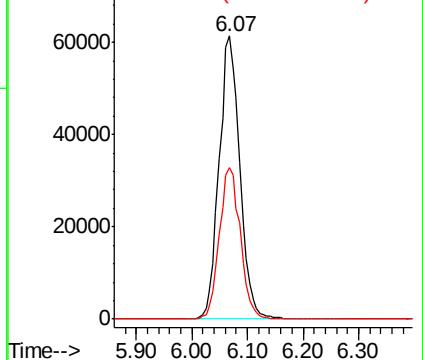
65 100

67 53.9 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: VX005294.D

Acq: 12 Oct 2018 15:38

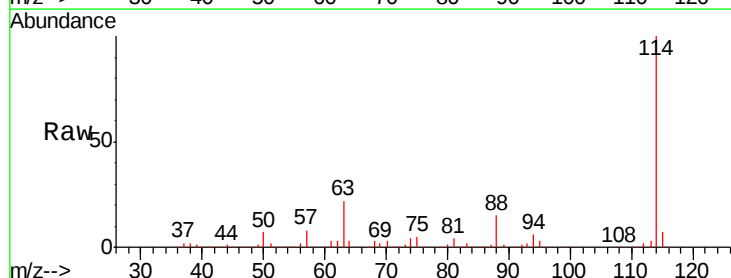
Tgt Ion: 114 Resp: 394858

Ion Ratio Lower Upper

114 100

63 22.4 0.0 39.0

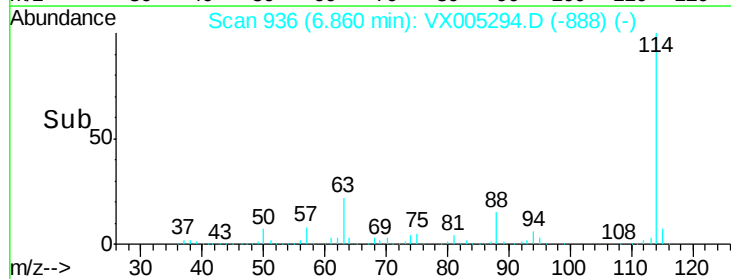
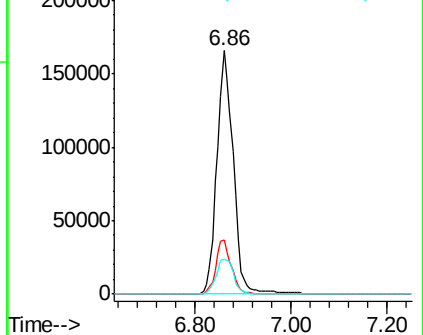
88 14.6 0.0 30.4

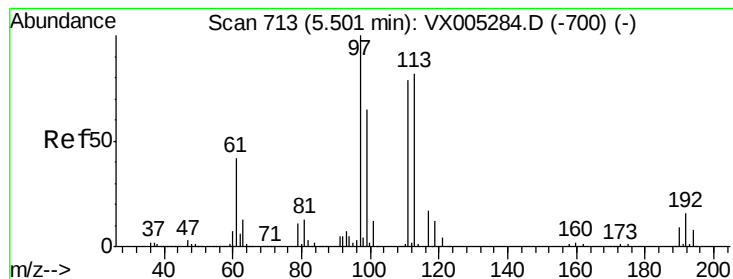


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.44 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

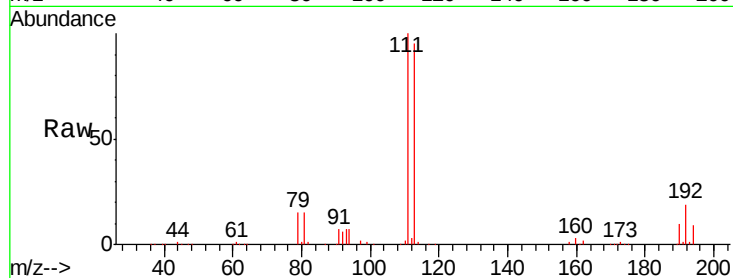
Tgt Ion:113 Resp: 121452

Ion Ratio Lower Upper

113 100

111 101.4 82.4 123.6

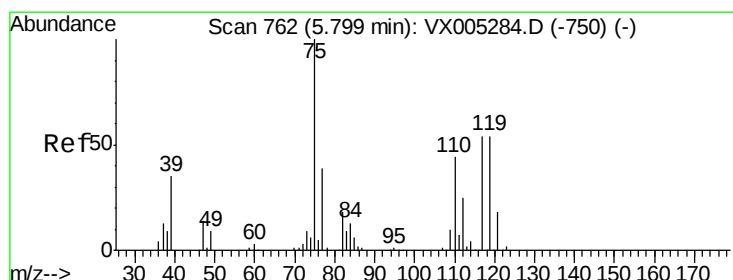
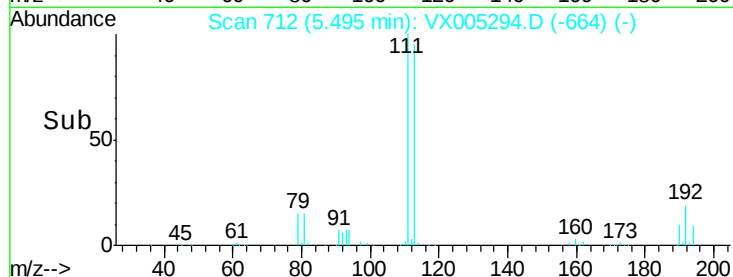
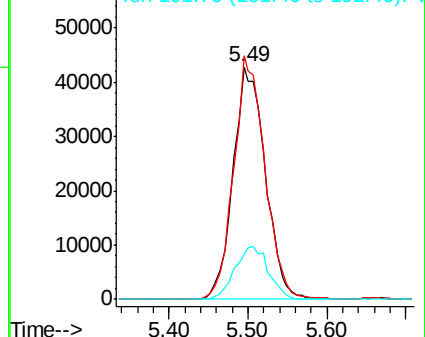
192 23.6 19.4 29.2



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: 0.58 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

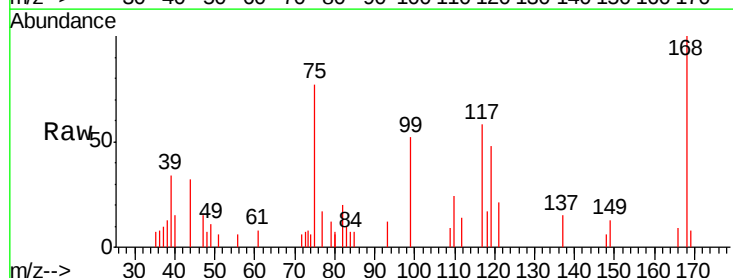
Tgt Ion: 75 Resp: 2205

Ion Ratio Lower Upper

75 100

110 35.3 18.0 54.0

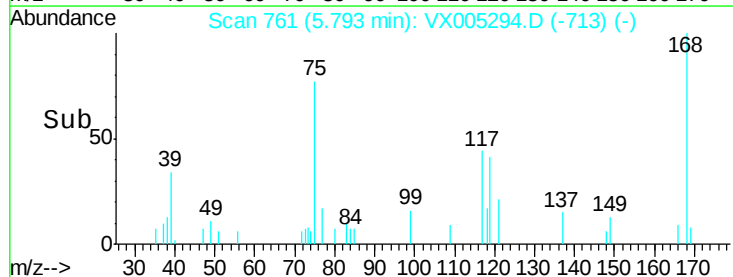
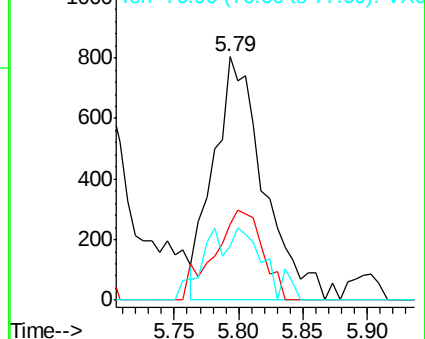
77 15.1 24.6 36.8#

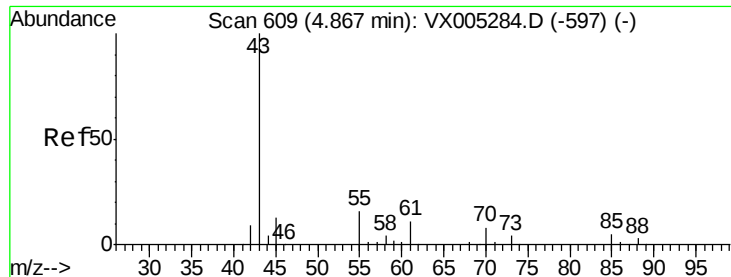


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

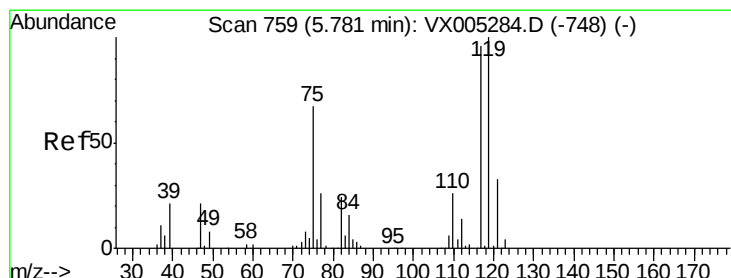
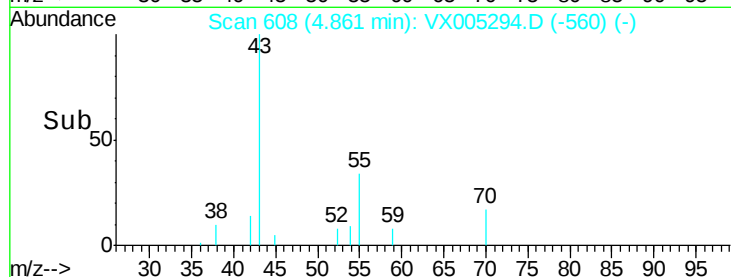
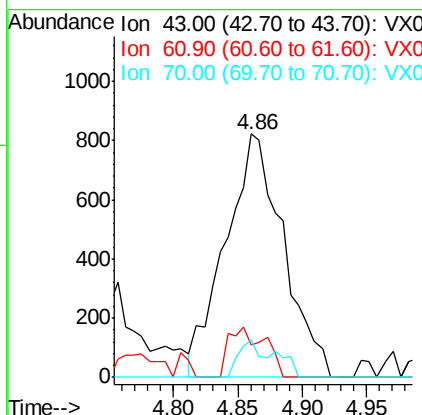
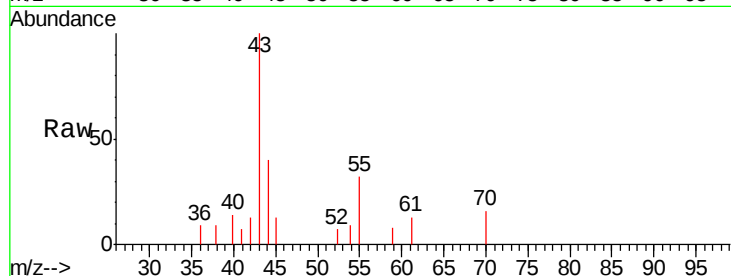




#37
Ethyl Acetate
Concen: 0.52 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX005294.D
Acq: 12 Oct 2018 15:38

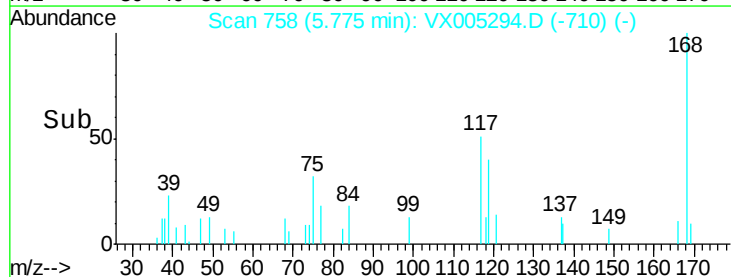
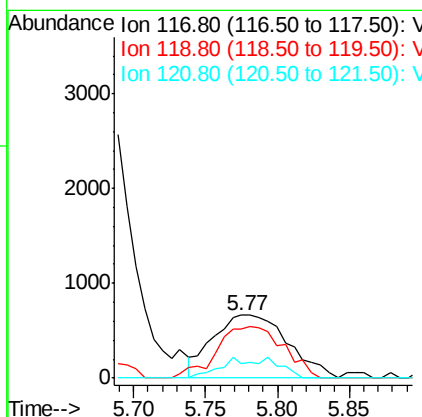
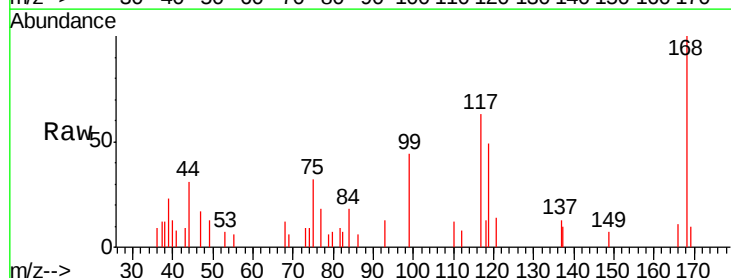
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 43 Resp: 2564
Ion Ratio Lower Upper
43 100
61 12.8 11.5 17.3
70 6.2 9.0 13.6#



#38
Carbon Tetrachloride
Concen: 0.63 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX005294.D
Acq: 12 Oct 2018 15:38

Tgt Ion: 117 Resp: 2409
Ion Ratio Lower Upper
117 100
119 77.3 78.8 118.2#
121 22.1 24.9 37.3#

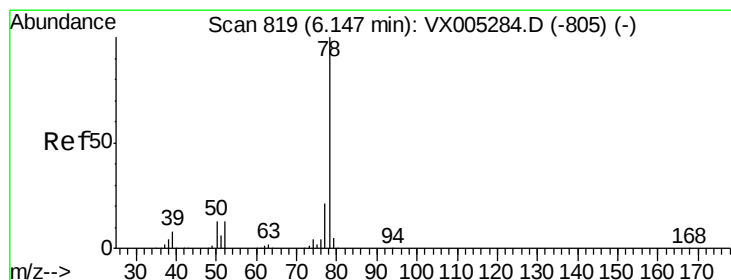
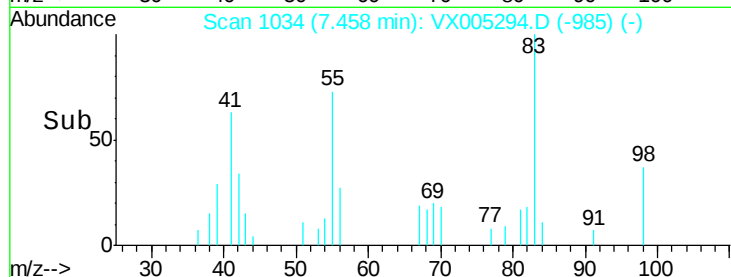
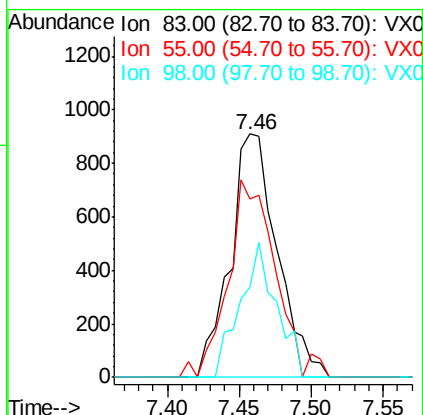
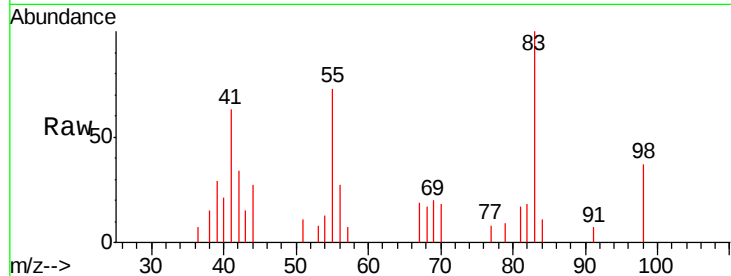




#39
Methylcyclohexane
Concen: 0.50 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX005294.D
Acq: 12 Oct 2018 15:38

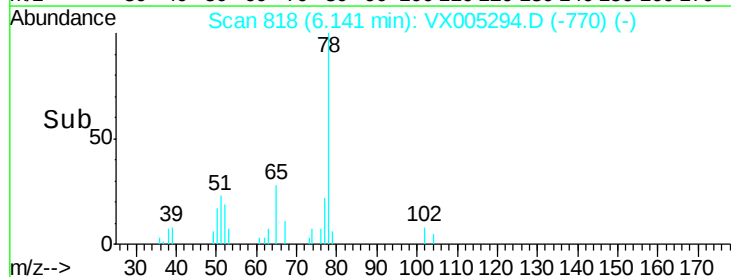
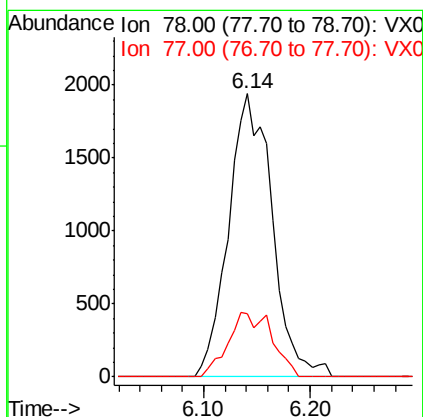
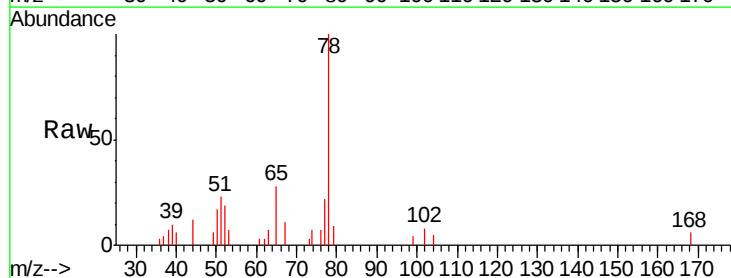
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

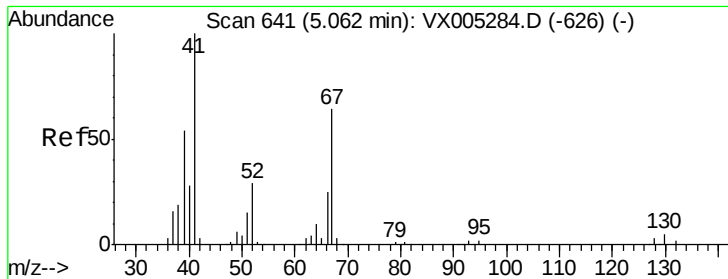
Tgt Ion: 83 Resp: 2072
Ion Ratio Lower Upper
83 100
55 73.2 61.0 91.4
98 37.0 39.6 59.4#



#40
Benzene
Concen: 0.48 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005294.D
Acq: 12 Oct 2018 15:38

Tgt Ion: 78 Resp: 5556
Ion Ratio Lower Upper
78 100
77 22.3 19.0 28.4

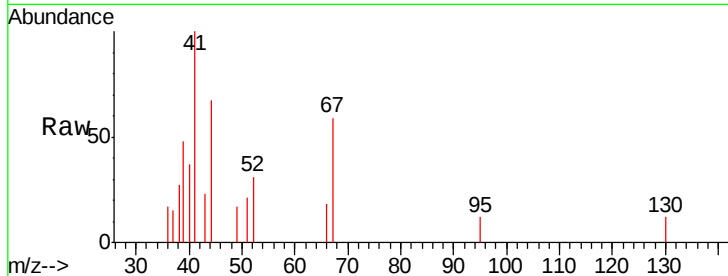




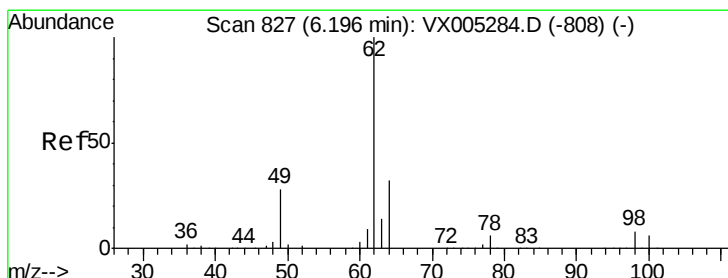
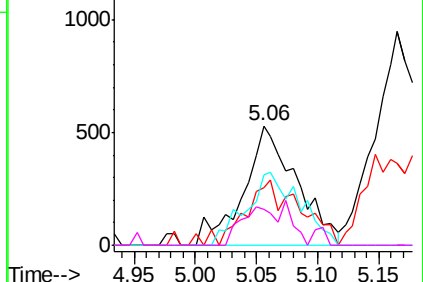
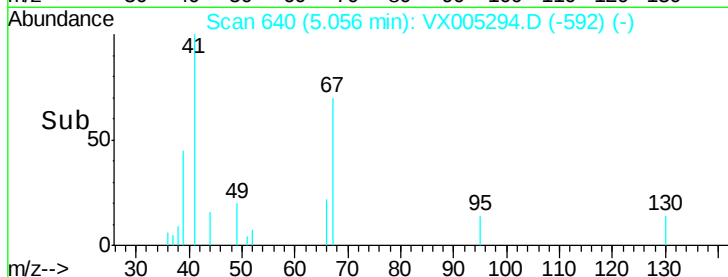
#41
Methacrylonitrile
Concen: 0.61 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005294.D
Acq: 12 Oct 2018 15:38

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

Tgt Ion:	41	Resp:	1596
Ion	Ratio	Lower	Upper
41	100		
39	56.5	42.4	63.6
67	62.2	59.2	88.8
52	20.8	23.0	34.4#

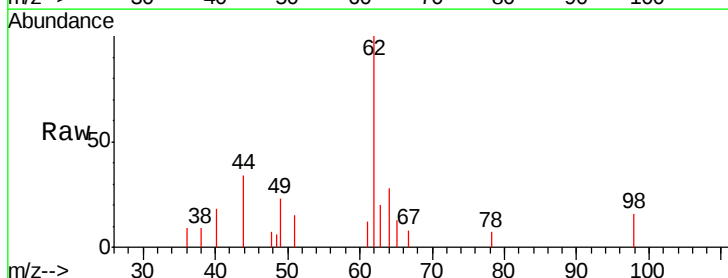


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

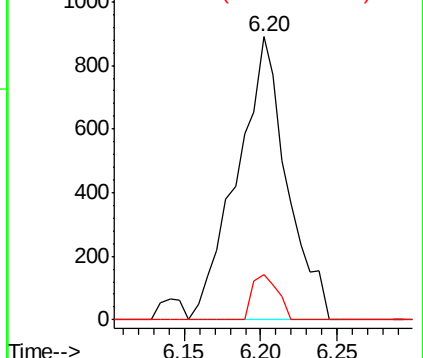
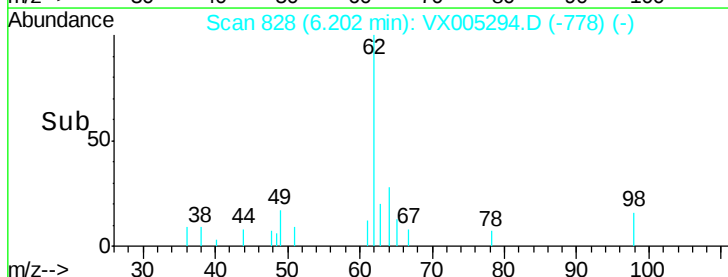


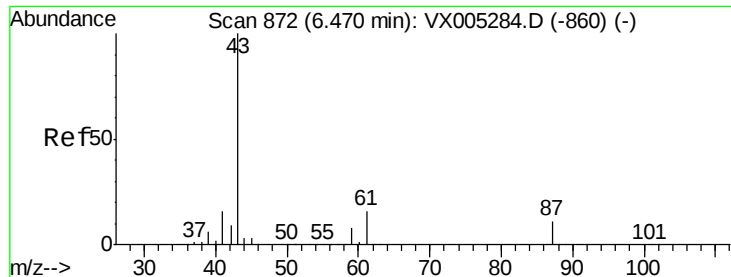
#42
1,2-Dichloroethane
Concen: 0.50 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX005294.D
Acq: 12 Oct 2018 15:38

Tgt Ion:	62	Resp:	2018
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 0.48 ug/l

RT: 6.47 min Scan# 872

Delta R.T. 0.00 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

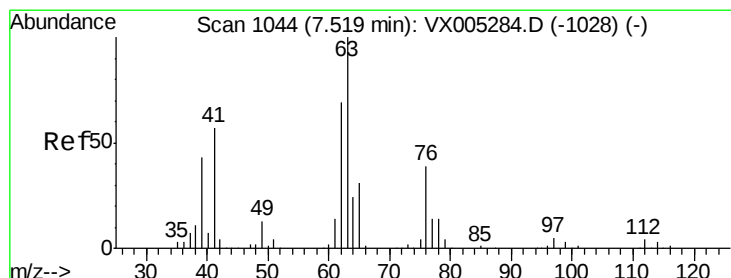
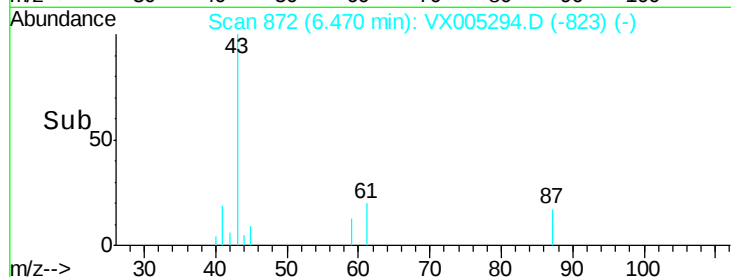
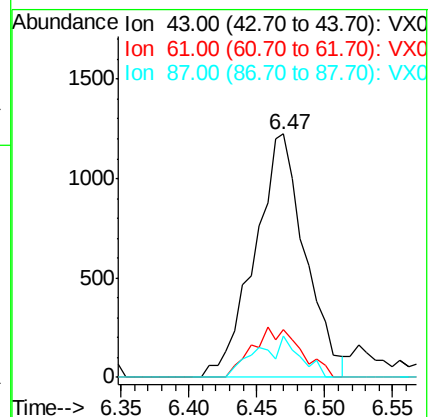
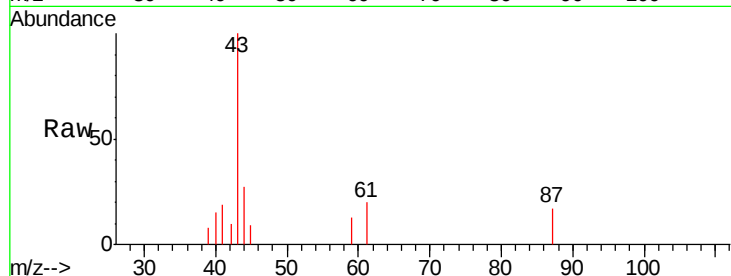
Tgt Ion: 43 Resp: 3167

Ion Ratio Lower Upper

43 100

61 19.5 17.0 25.4

87 14.2 11.4 17.2



#45

1,2-Dichloropropane

Concen: 0.47 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX005294.D

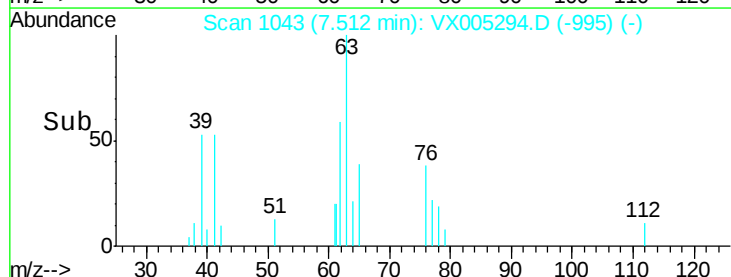
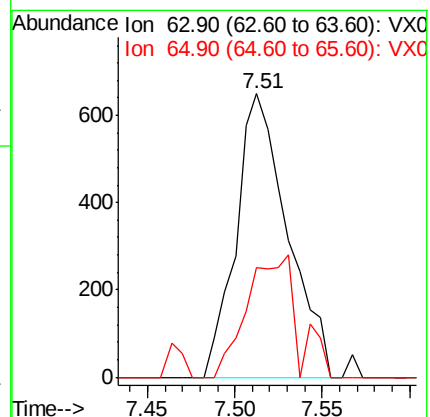
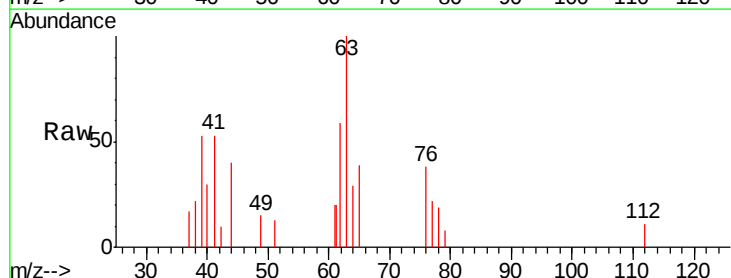
Acq: 12 Oct 2018 15:38

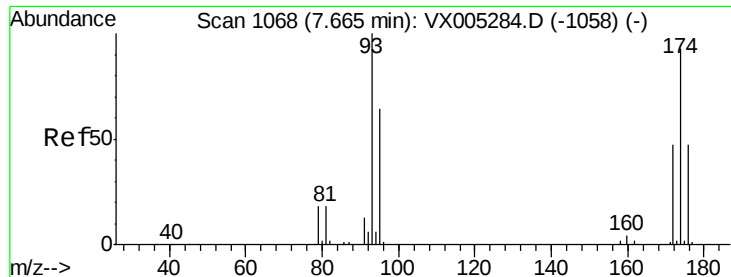
Tgt Ion: 63 Resp: 1330

Ion Ratio Lower Upper

63 100

65 38.7 24.3 36.5#

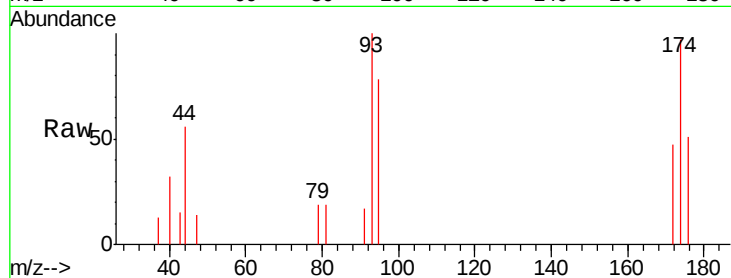




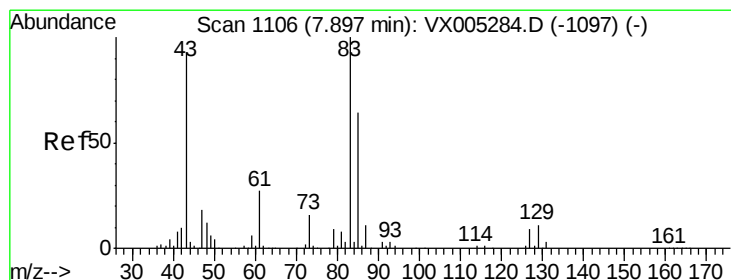
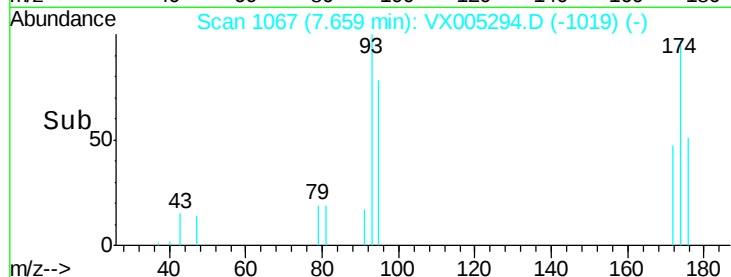
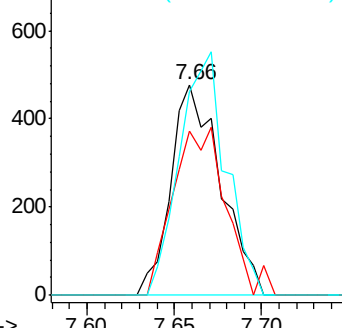
#46
Dibromomethane
Concen: 0.51 ug/l
RT: 7.66 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VX005294.D
Acq: 12 Oct 2018 15:38

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

Tgt Ion: 93 Resp: 950
Ion Ratio Lower Upper
93 100
95 84.5 65.5 98.3
174 108.0 94.2 141.4

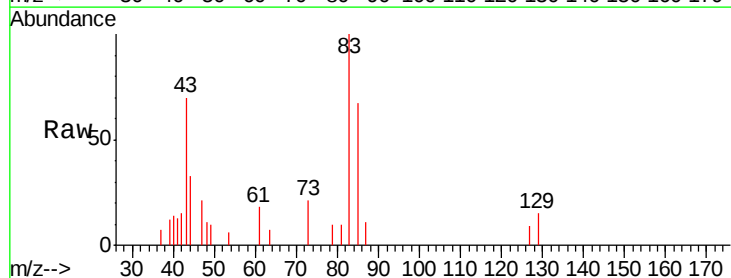


Abundance Ion 92.80 (92.50 to 93.50): VX0
Ion 94.80 (94.50 to 95.50): VX0
Ion 173.70 (173.40 to 174.40): V

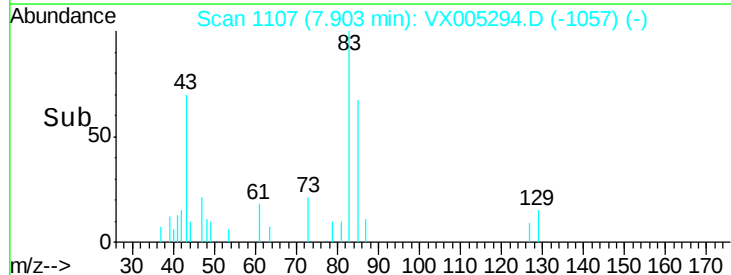
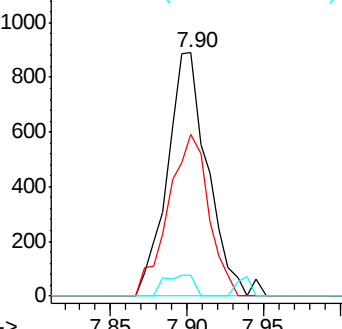


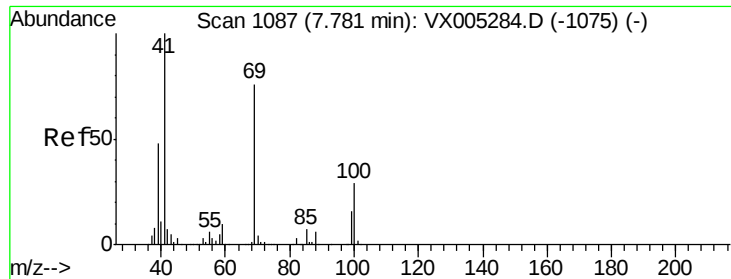
#47
Bromodichloromethane
Concen: 0.48 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VX005294.D
Acq: 12 Oct 2018 15:38

Tgt Ion: 83 Resp: 1635
Ion Ratio Lower Upper
83 100
85 66.6 50.9 76.3
127 8.5 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V

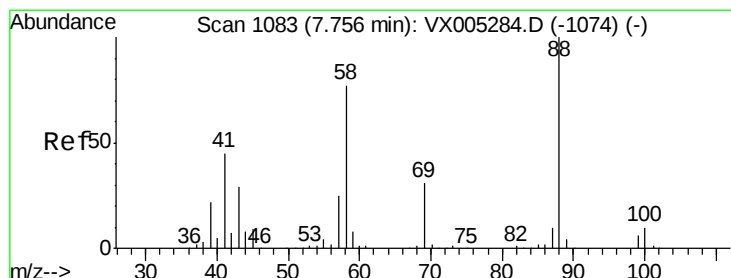
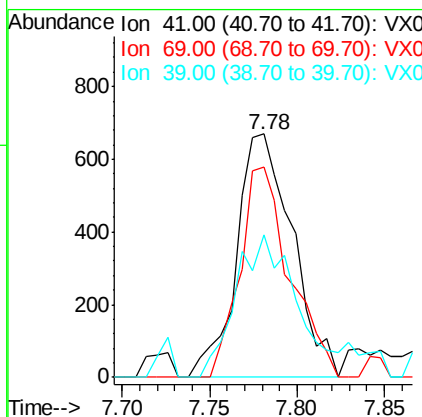
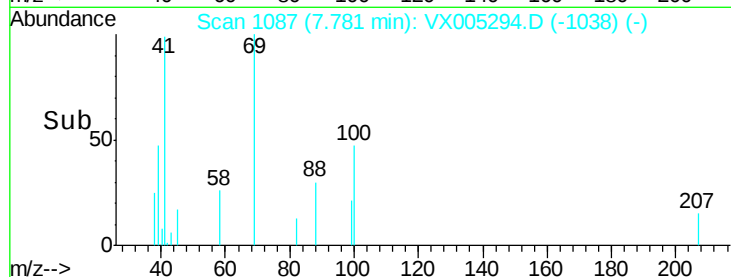
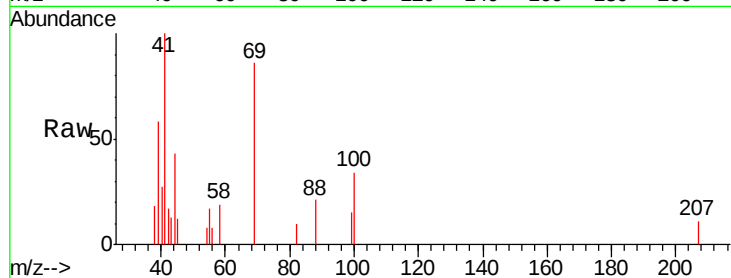




#48
Methyl methacrylate
Concen: 0.44 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX005294.D
Acq: 12 Oct 2018 15:38

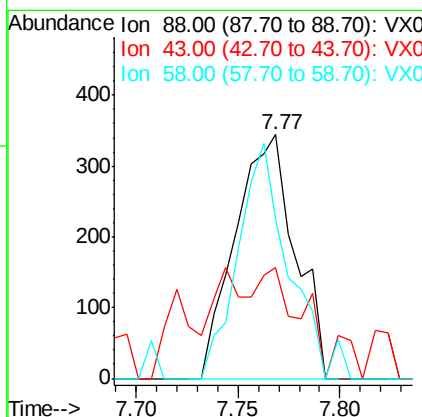
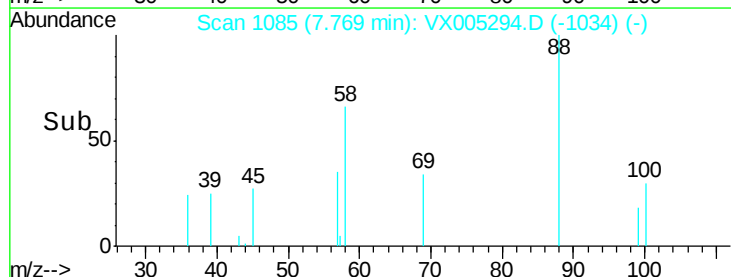
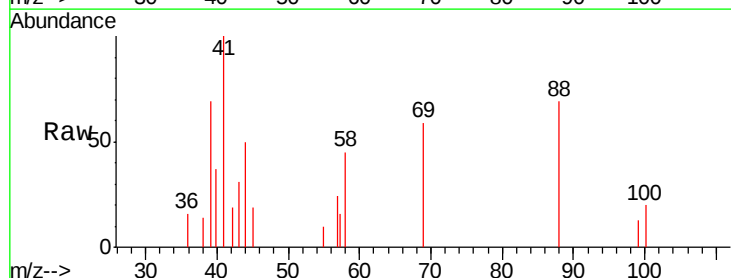
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

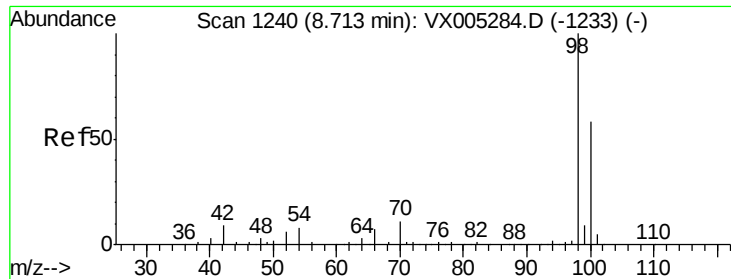
Tgt Ion: 41 Resp: 1485
Ion Ratio Lower Upper
41 100
69 77.7 70.2 105.4
39 63.8 42.7 64.1



#49
1,4-Dioxane
Concen: 8.97 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.01 min
Lab File: VX005294.D
Acq: 12 Oct 2018 15:38

Tgt Ion: 88 Resp: 703
Ion Ratio Lower Upper
88 100
43 0.0 24.7 37.1#
58 81.9 55.3 82.9





#50

Toluene-d8

Concen: 47.00 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

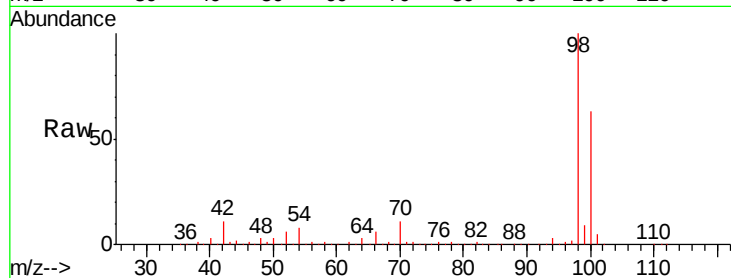
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 98 Resp: 421958

Ion Ratio Lower Upper

98 100

100 63.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

250000

200000

150000

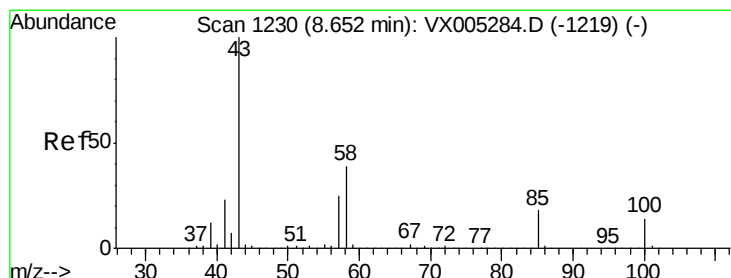
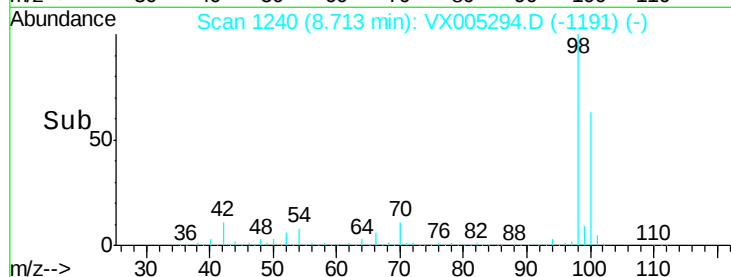
100000

50000

0

Time-->

8.60 8.70 8.80 8.90 9.00



#51

4-Methyl-2-Pentanone

Concen: 1.98 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005294.D

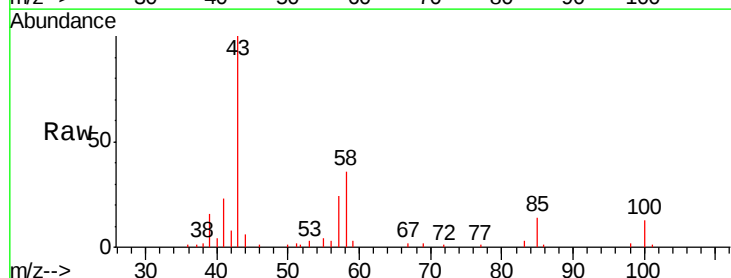
Acq: 12 Oct 2018 15:38

Tgt Ion: 43 Resp: 8966

Ion Ratio Lower Upper

43 100

58 38.8 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

6000

5000

4000

3000

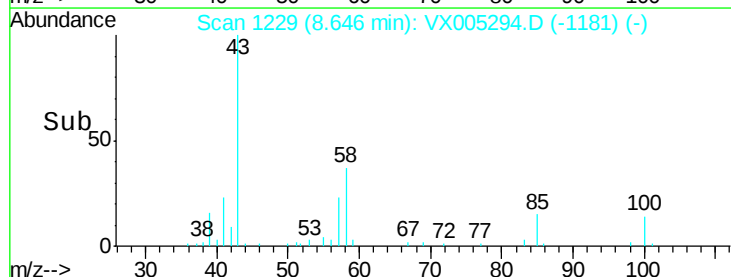
2000

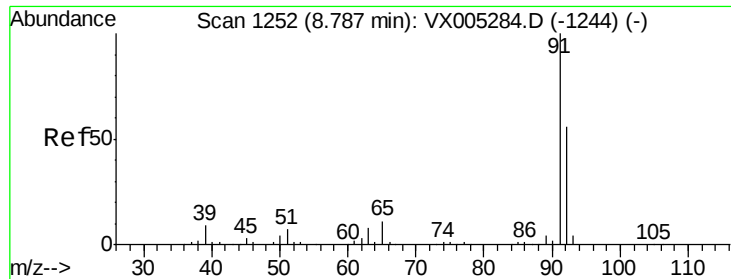
1000

0

Time-->

8.60 8.65 8.70





#52

Toluene

Concen: 0.49 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

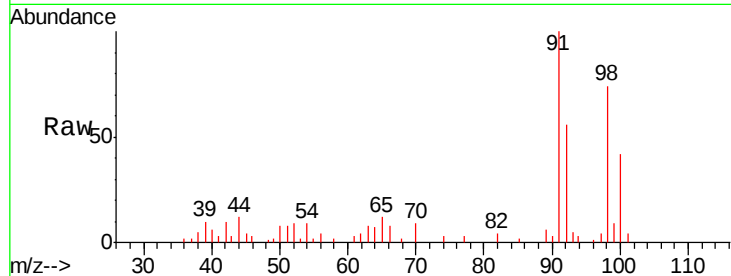
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 92 Resp: 3086

Ion Ratio Lower Upper

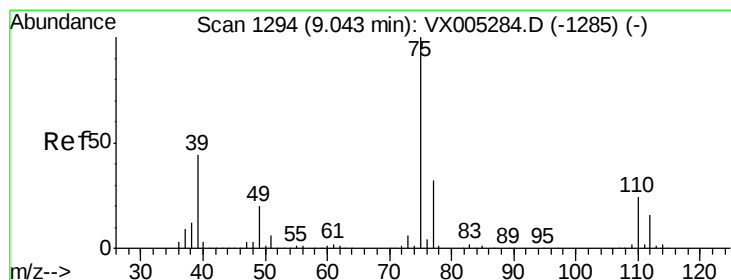
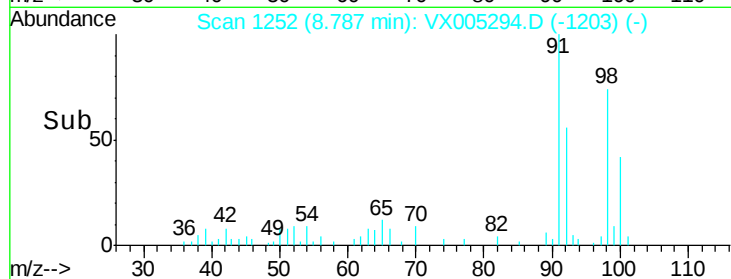
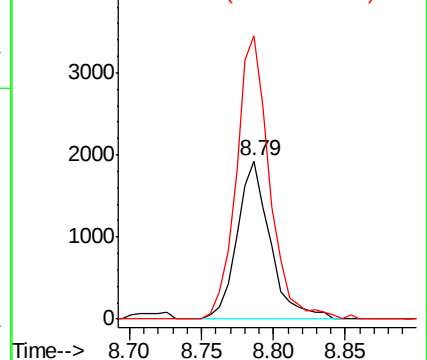
92 100

91 180.0 136.4 204.6



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: 0.45 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX005294.D

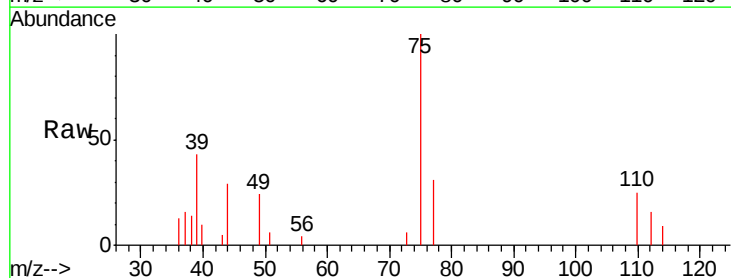
Acq: 12 Oct 2018 15:38

Tgt Ion: 75 Resp: 1657

Ion Ratio Lower Upper

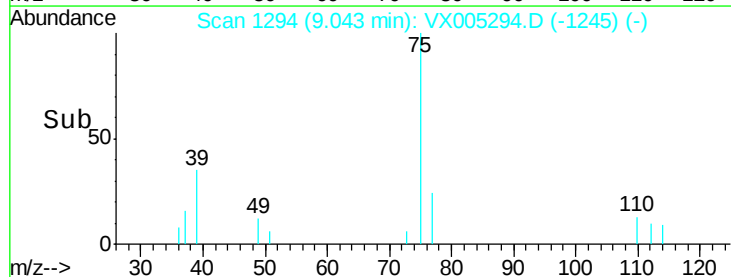
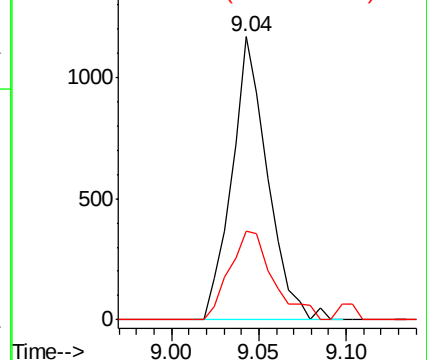
75 100

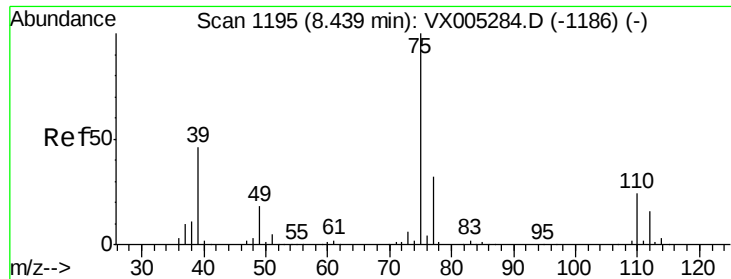
77 31.2 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



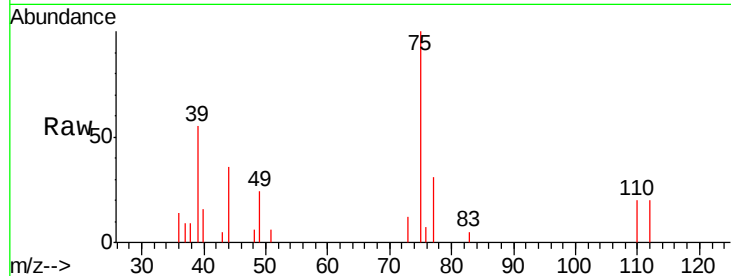


#54

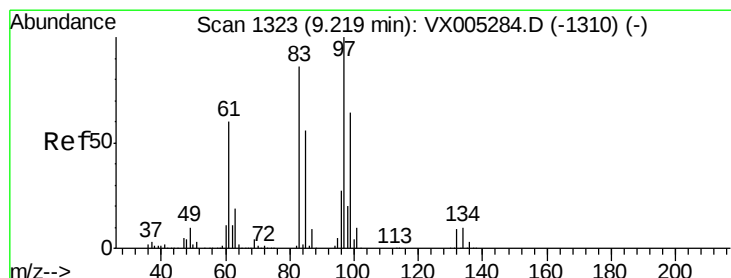
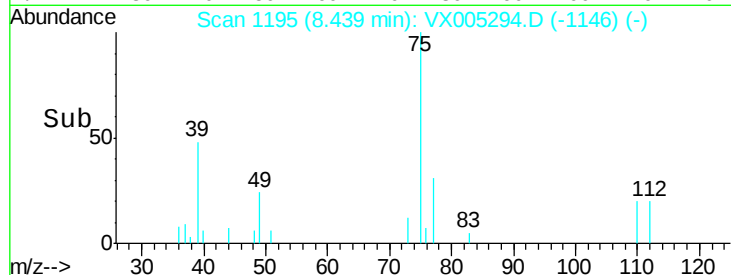
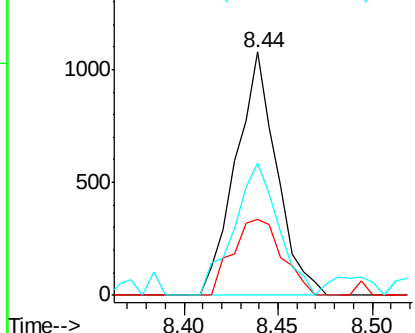
cis-1,3-Dichloropropene
 Concen: 0.40 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.00 min
 Lab File: VX005294.D
 Acq: 12 Oct 2018 15:38

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

Tgt Ion: 75 Resp: 1623
 Ion Ratio Lower Upper
 75 100
 77 31.1 26.2 39.2
 39 54.5 36.4 54.6



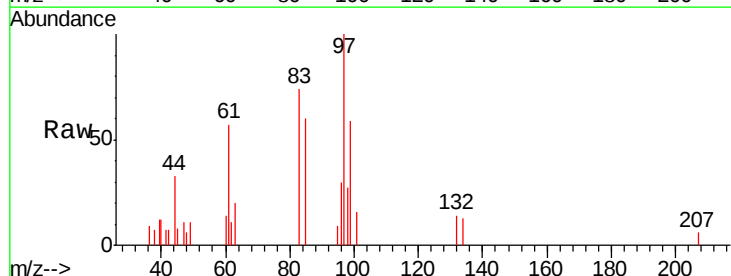
Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 76.90 (76.60 to 77.60): VX0
 Ion 39.00 (38.70 to 39.70): VX0



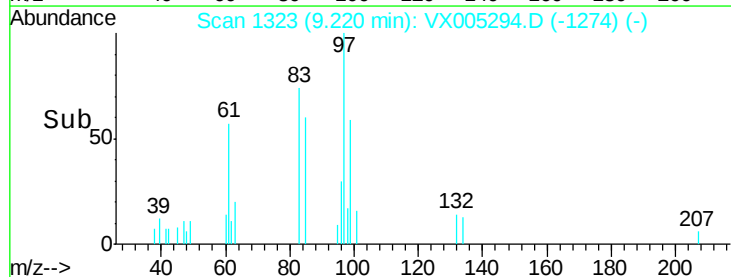
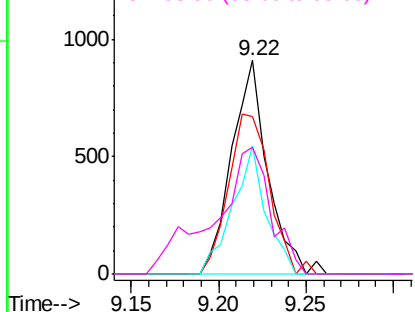
#55

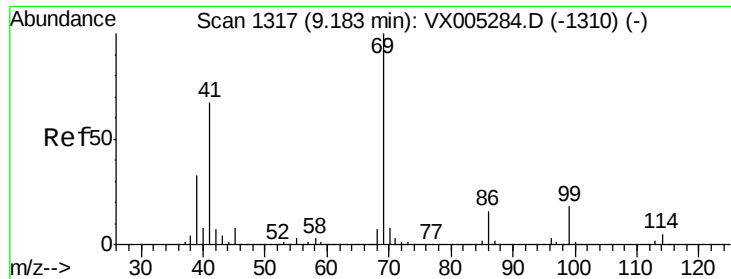
1,1,2-Trichloroethane
 Concen: 0.49 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX005294.D
 Acq: 12 Oct 2018 15:38

Tgt Ion: 97 Resp: 1308
 Ion Ratio Lower Upper
 97 100
 83 74.0 66.4 99.6
 85 60.1 43.3 64.9
 99 59.1 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





#56

Ethyl methacrylate

Concen: 0.38 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

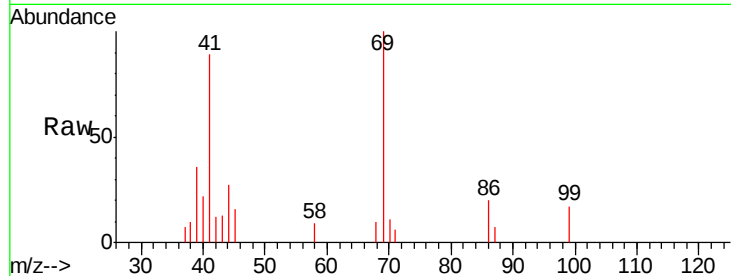
Tgt Ion: 69 Resp: 1480

Ion Ratio Lower Upper

69 100

41 85.9 51.0 76.4#

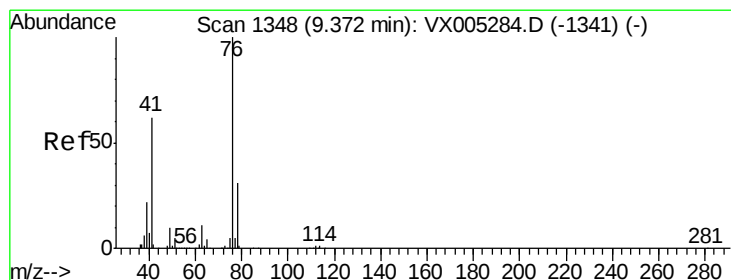
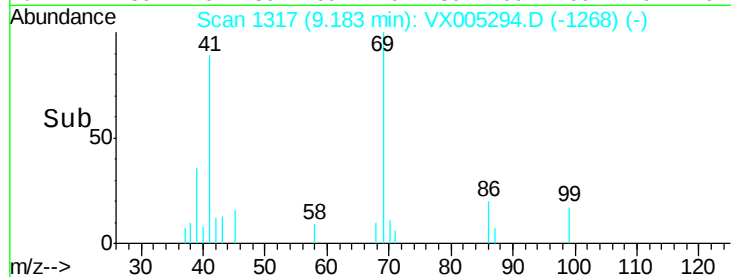
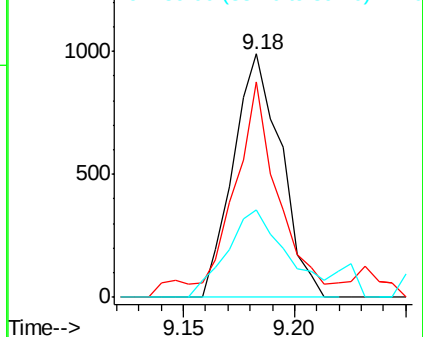
39 44.7 26.1 39.1#



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: 0.48 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005294.D

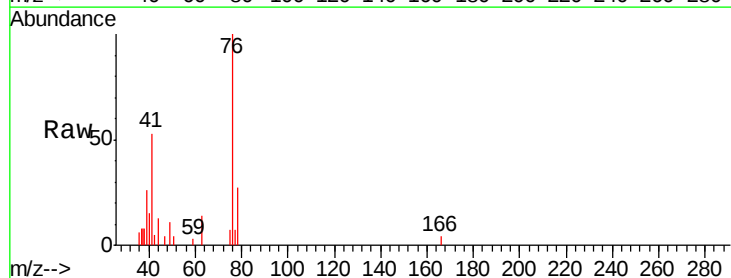
Acq: 12 Oct 2018 15:38

Tgt Ion: 76 Resp: 2146

Ion Ratio Lower Upper

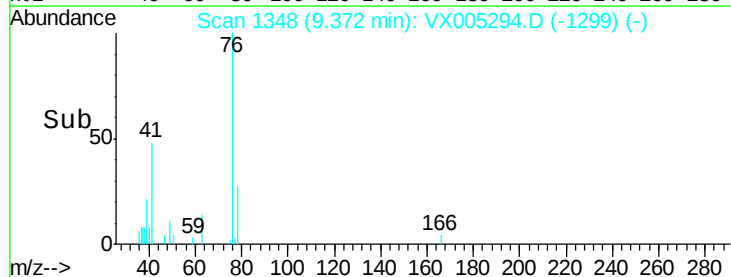
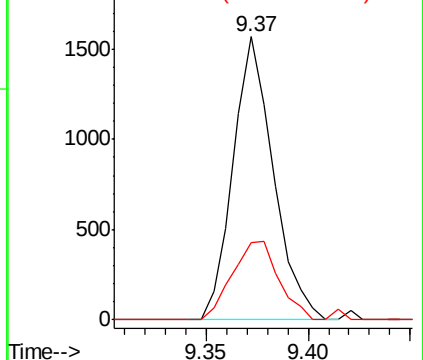
76 100

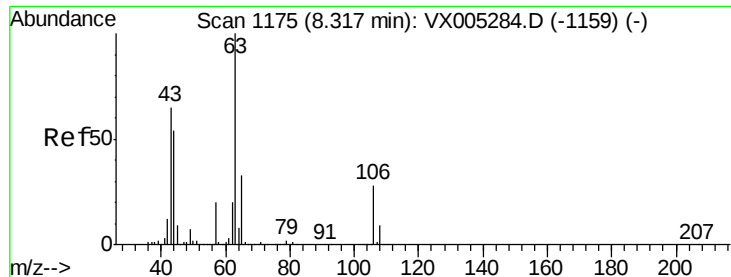
78 32.1 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

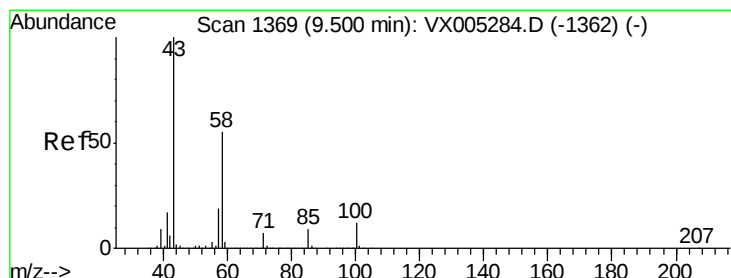
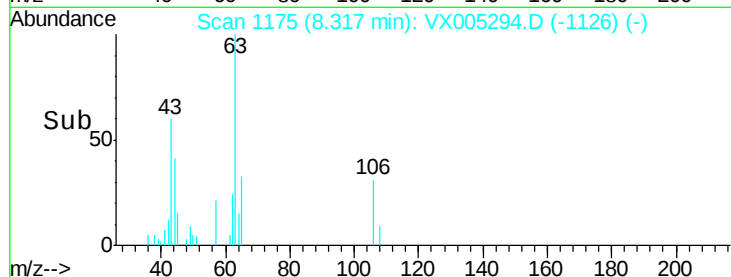
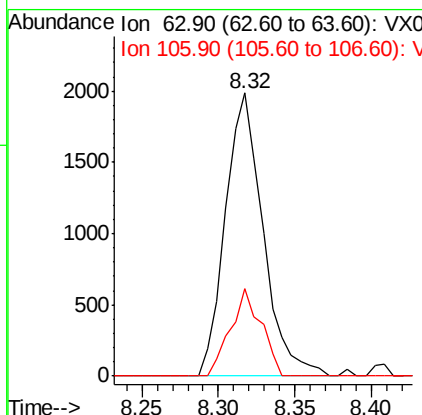
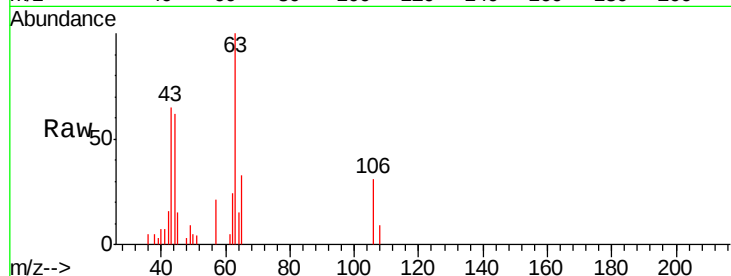




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.56 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX005294.D
 Acq: 12 Oct 2018 15:38

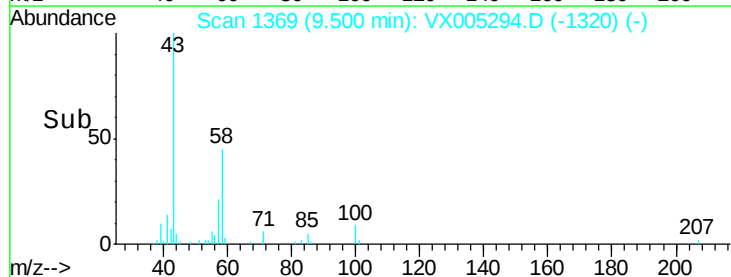
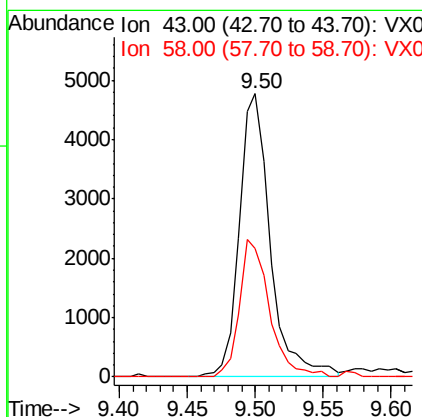
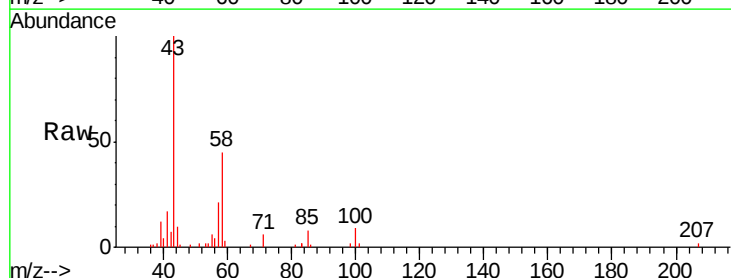
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

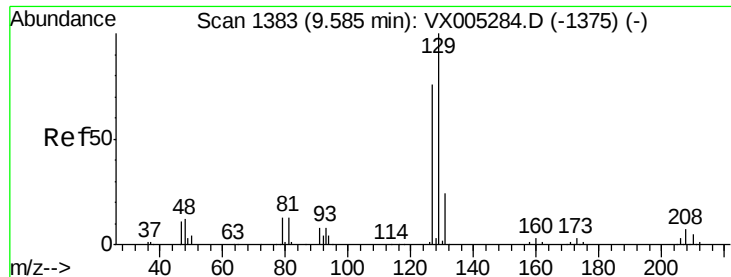
Tgt Ion: 63 Resp: 3393
 Ion Ratio Lower Upper
 63 100
 106 25.2 23.9 35.9



#59
 2-Hexanone
 Concen: 2.07 ug/l
 RT: 9.50 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VX005294.D
 Acq: 12 Oct 2018 15:38

Tgt Ion: 43 Resp: 7570
 Ion Ratio Lower Upper
 43 100
 58 47.1 29.0 87.0





#60

Dibromochloromethane

Concen: 0.42 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.01 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

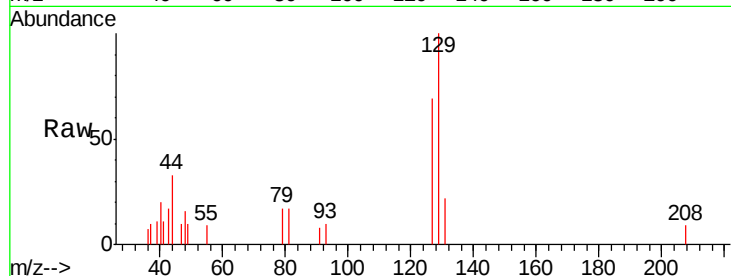
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:129 Resp: 1154

Ion Ratio Lower Upper

129 100

127 88.5 38.5 115.5



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.58

800

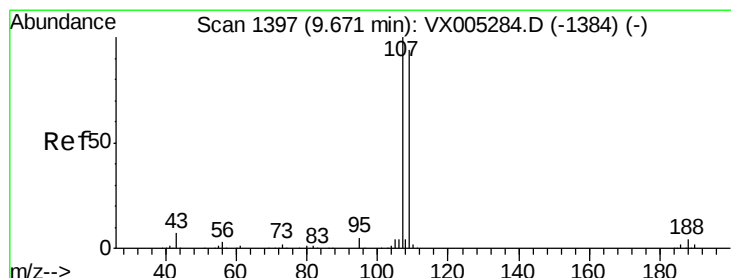
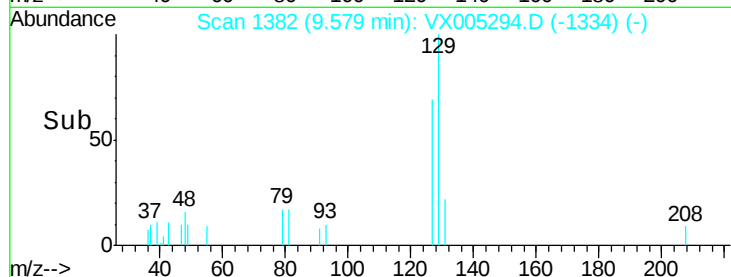
600

400

200

0

Time-->



#61

1,2-Dibromoethane

Concen: 0.44 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX005294.D

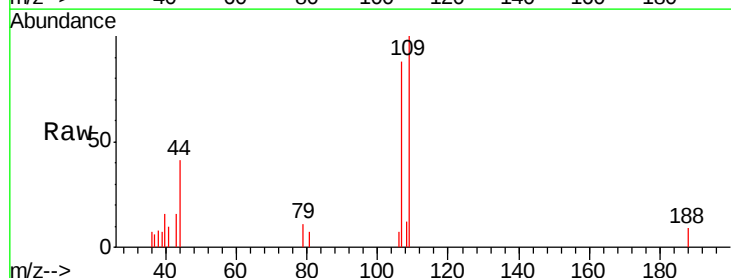
Acq: 12 Oct 2018 15:38

Tgt Ion:107 Resp: 1222

Ion Ratio Lower Upper

107 100

109 104.2 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

1000

800

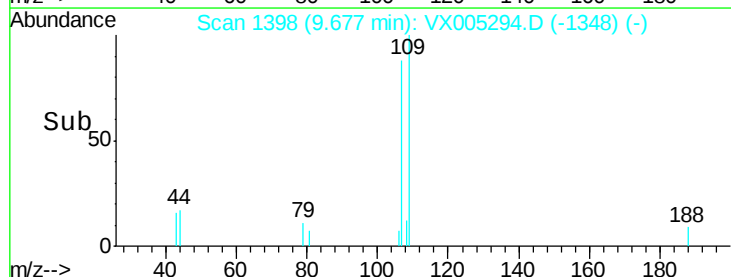
600

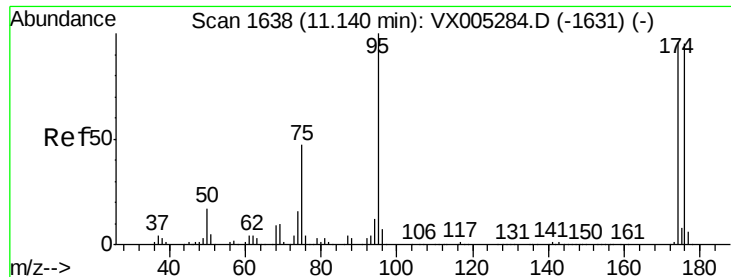
400

200

0

Time-->

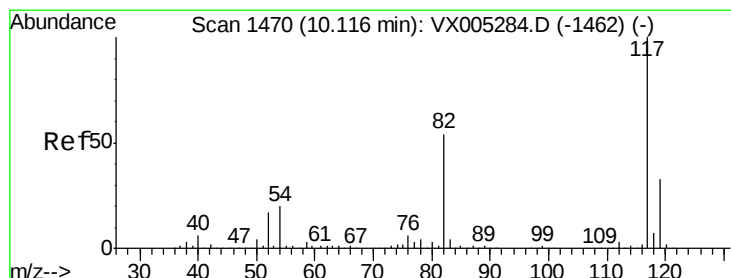
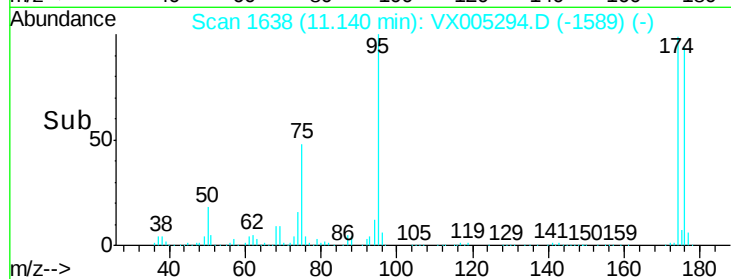
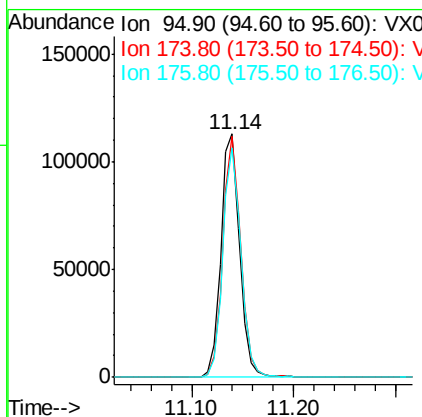
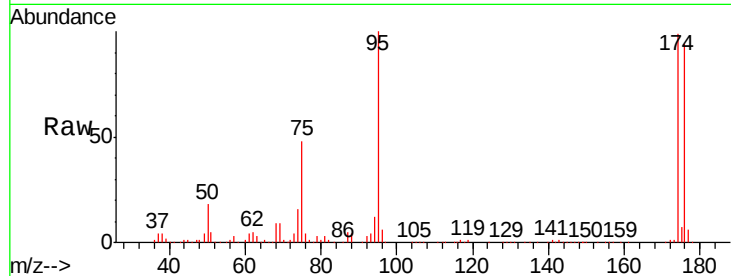




#62
4-Bromofluorobenzene
Concen: 43.03 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005294.D
Acq: 12 Oct 2018 15:38

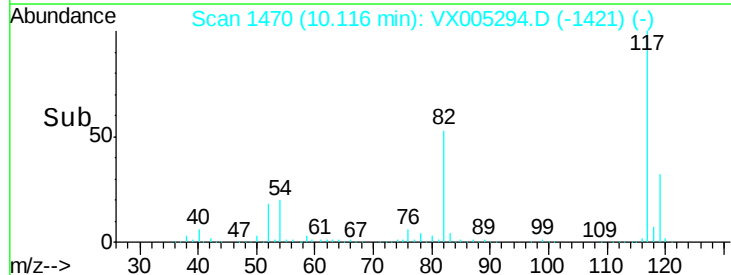
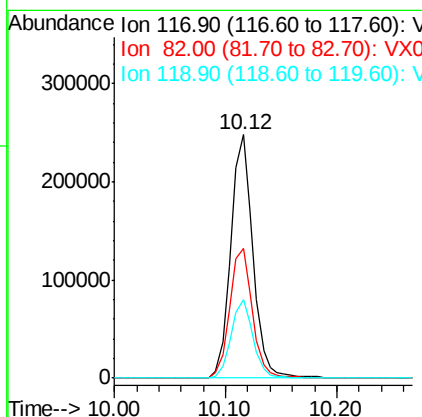
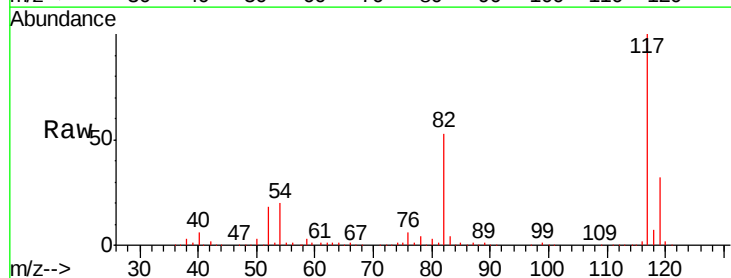
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

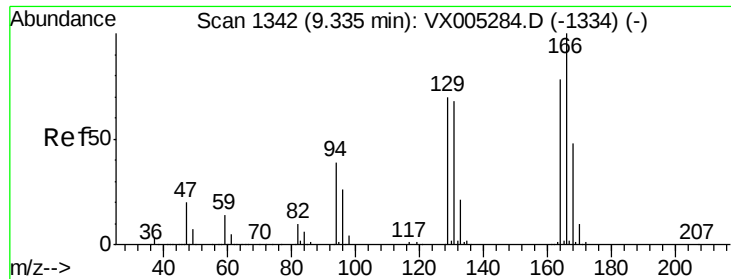
Tgt Ion: 95 Resp: 145145
Ion Ratio Lower Upper
95 100
174 94.9 0.0 185.2
176 91.4 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005294.D
Acq: 12 Oct 2018 15:38

Tgt Ion: 117 Resp: 340951
Ion Ratio Lower Upper
117 100
82 53.3 47.8 71.6
119 32.2 29.3 43.9





#64

Tetrachloroethene

Concen: 0.54 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:164 Resp: 1489

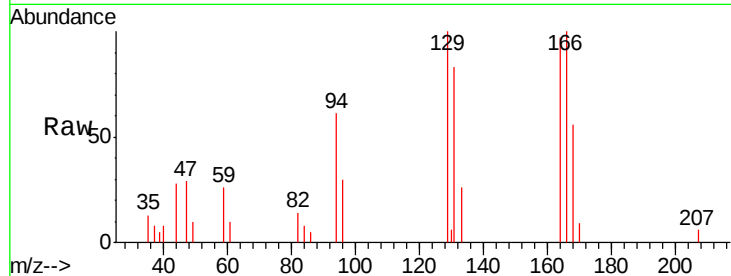
Ion Ratio Lower Upper

164 100

166 103.6 102.8 154.2

129 103.1 69.4 104.0

131 86.3 67.9 101.9

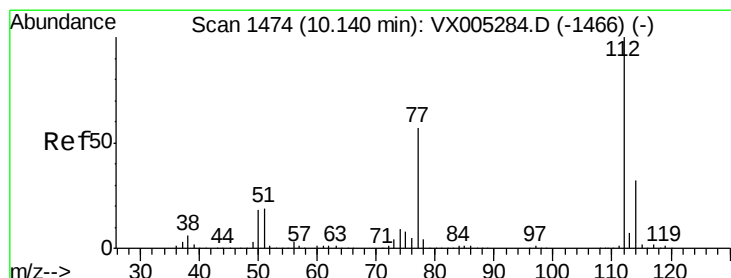
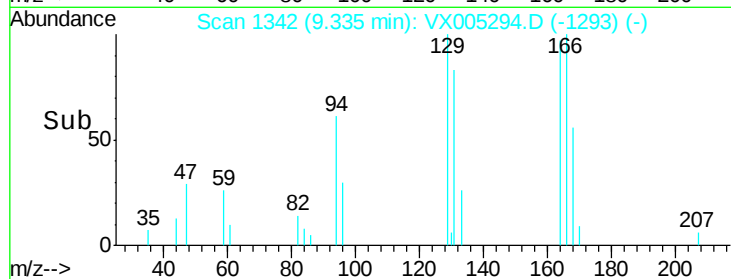
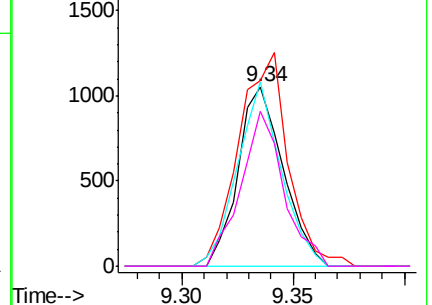


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.54 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX005294.D

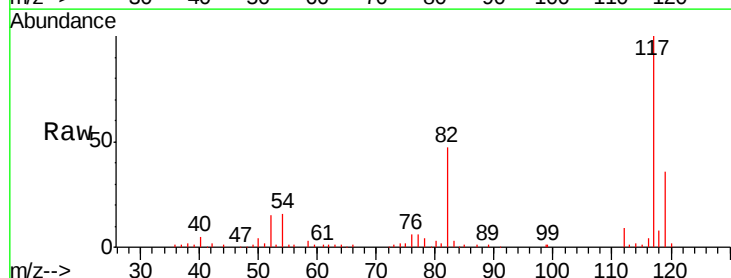
Acq: 12 Oct 2018 15:38

Tgt Ion:112 Resp: 3929

Ion Ratio Lower Upper

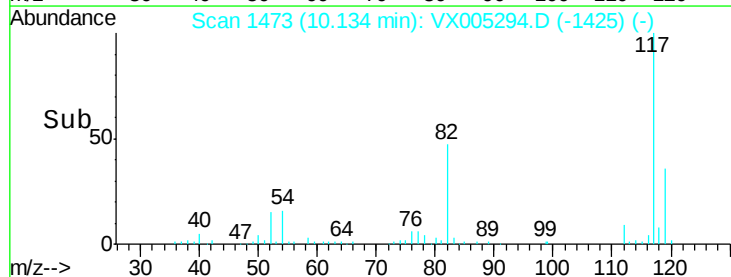
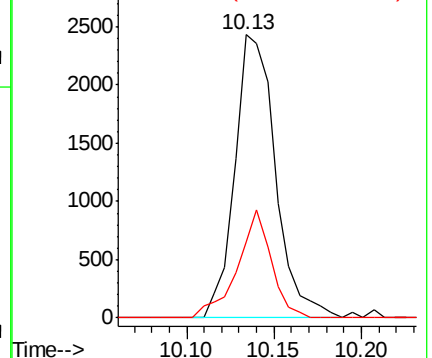
112 100

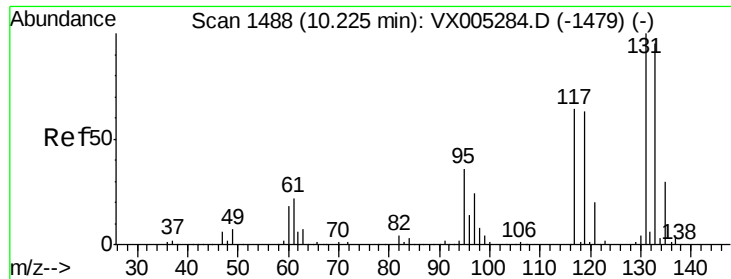
114 26.9 27.8 41.8#



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: 0.42 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

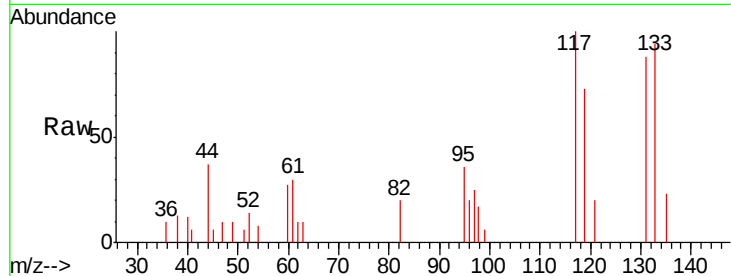
Tgt Ion:131 Resp: 1090

Ion Ratio Lower Upper

131 100

133 109.4 48.1 144.4

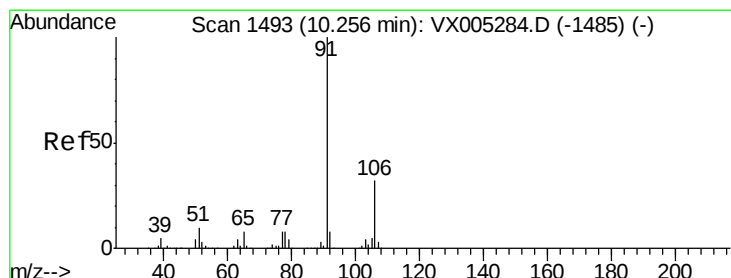
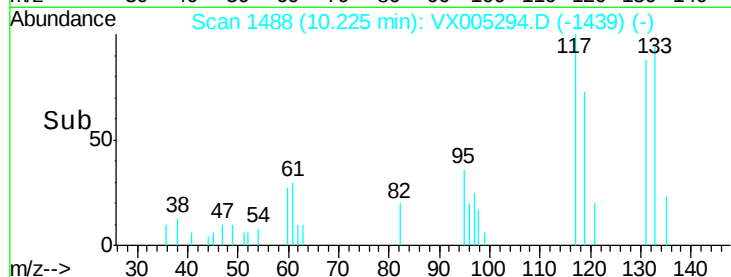
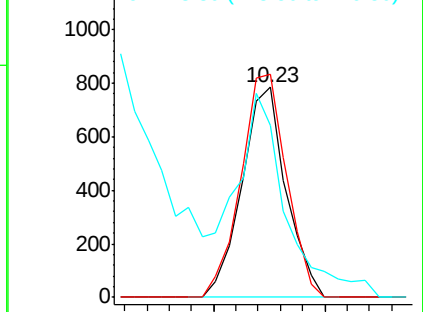
119 0.0 32.9 98.6#



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: 0.47 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VX005294.D

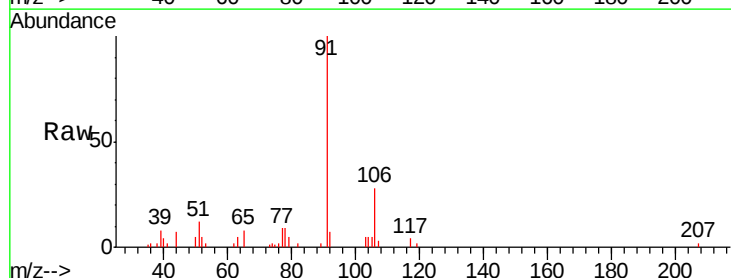
Acq: 12 Oct 2018 15:38

Tgt Ion: 91 Resp: 5563

Ion Ratio Lower Upper

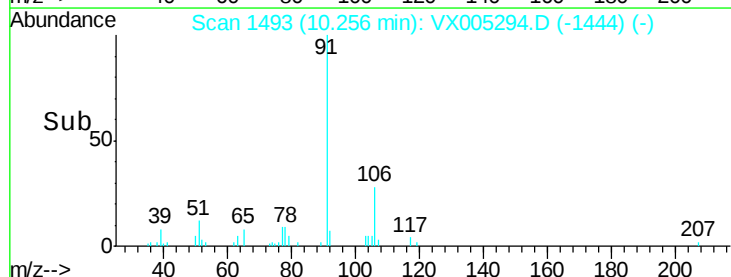
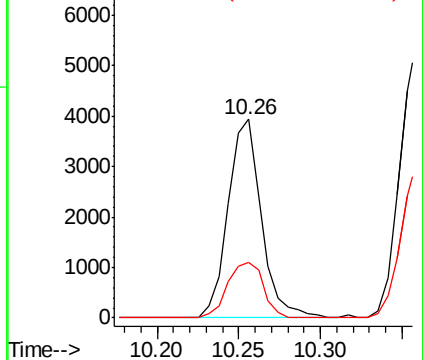
91 100

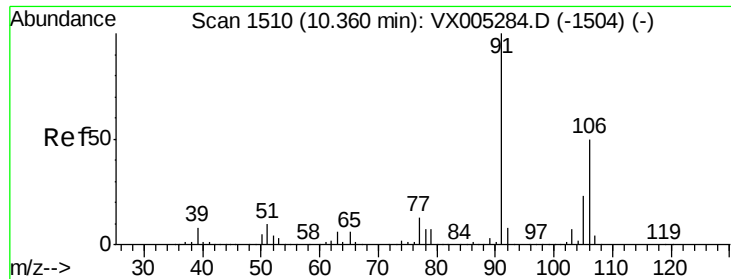
106 28.0 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

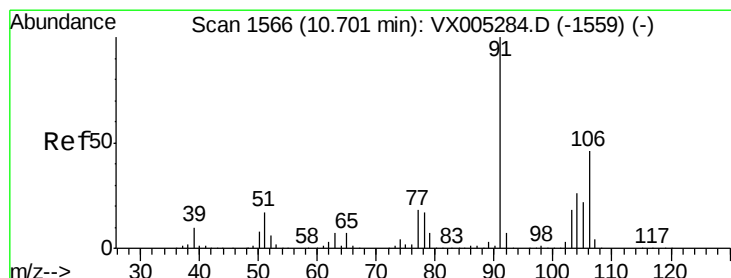
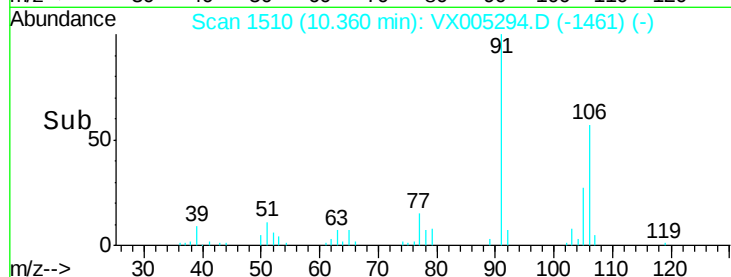
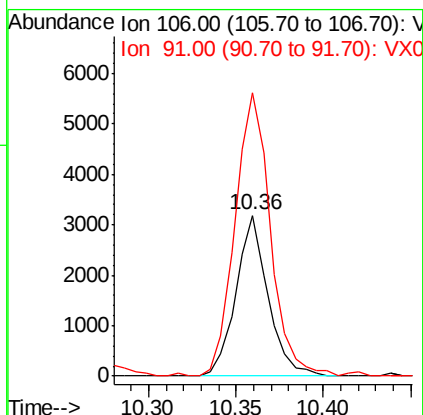
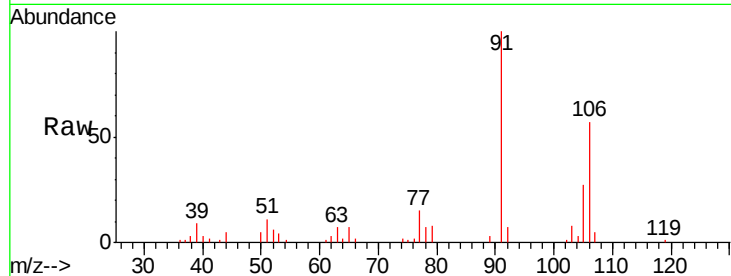




#68
m/p-Xylenes
Concen: 0.89 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX005294.D
Acq: 12 Oct 2018 15:38

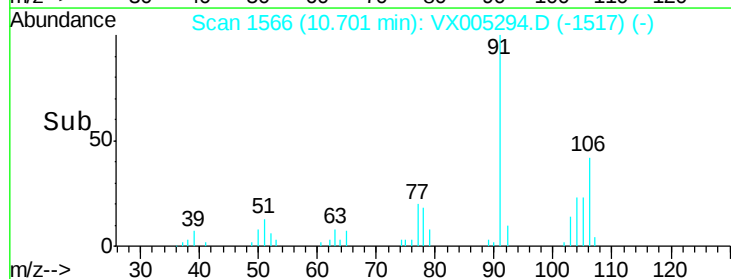
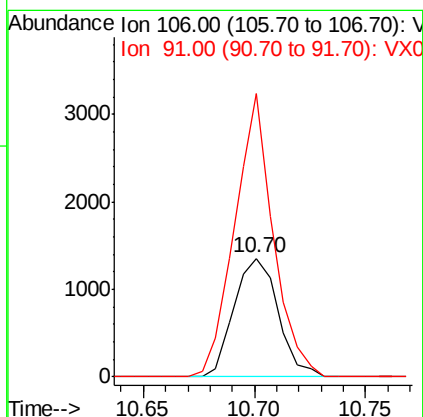
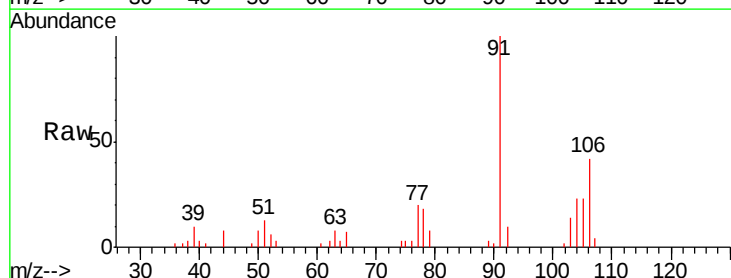
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

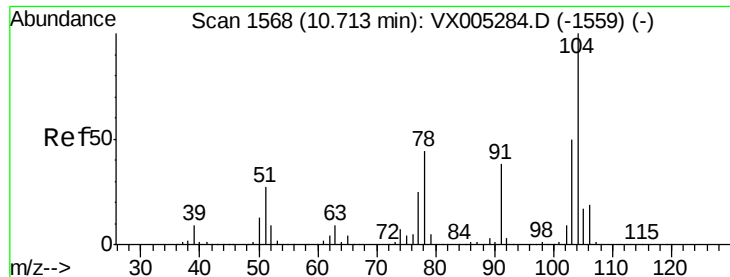
Tgt Ion:106 Resp: 4055
Ion Ratio Lower Upper
106 100
91 194.7 157.1 235.7



#69
o-Xylene
Concen: 0.42 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005294.D
Acq: 12 Oct 2018 15:38

Tgt Ion:106 Resp: 1871
Ion Ratio Lower Upper
106 100
91 207.9 105.1 315.1





#70

Styrene

Concen: 0.40 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

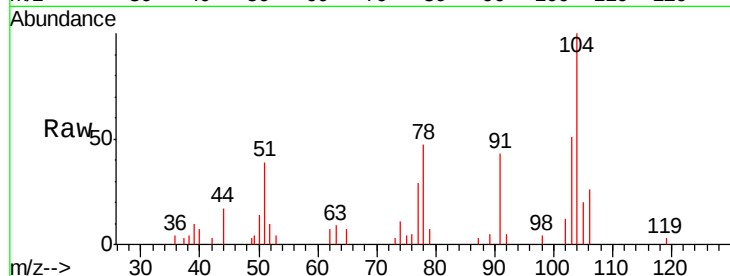
Tgt Ion:104 Resp: 2892

Ion Ratio Lower Upper

104 100

78 51.3 37.4 56.0

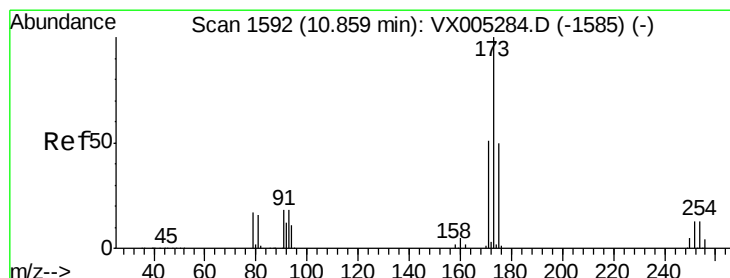
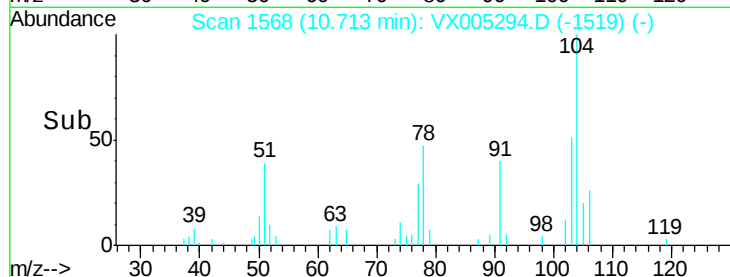
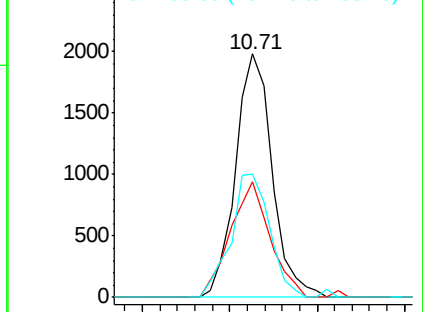
103 53.9 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.43 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

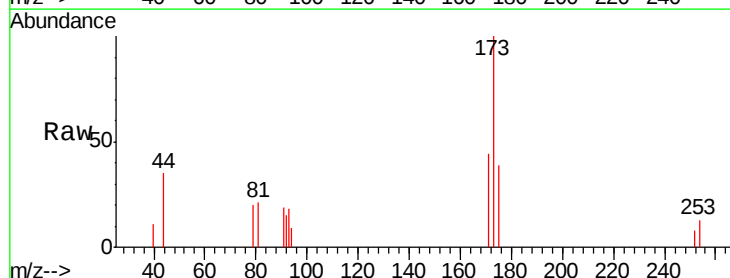
Tgt Ion:173 Resp: 983

Ion Ratio Lower Upper

173 100

175 48.6 24.1 72.3

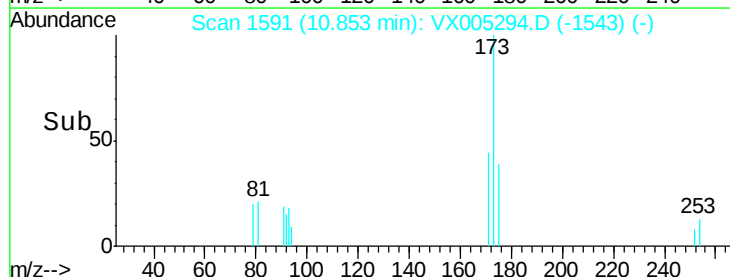
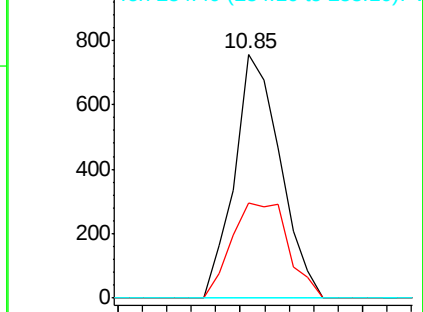
254 0.0 0.2 0.2#

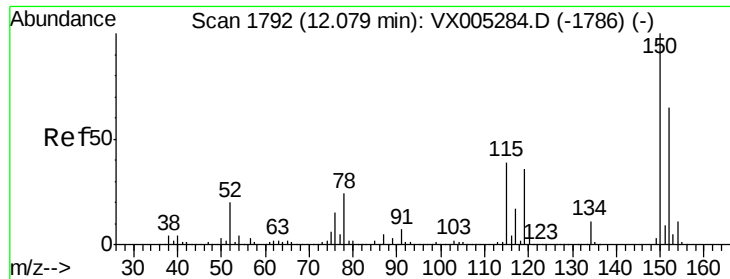


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

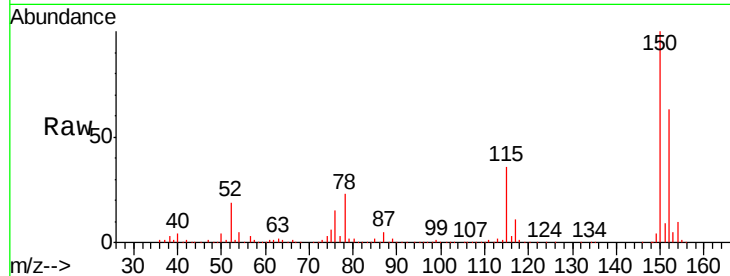
Tgt Ion:152 Resp: 176446

Ion Ratio Lower Upper

152 100

115 55.7 39.0 117.0

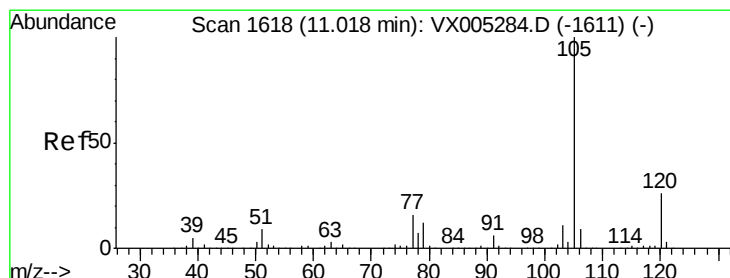
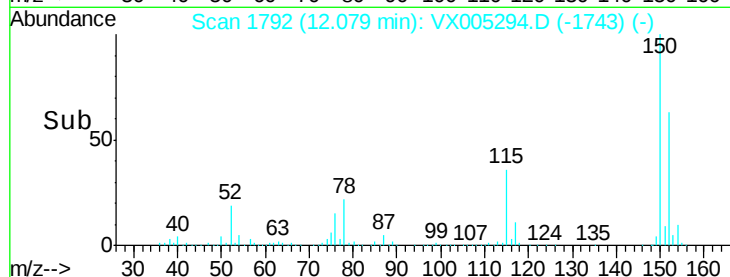
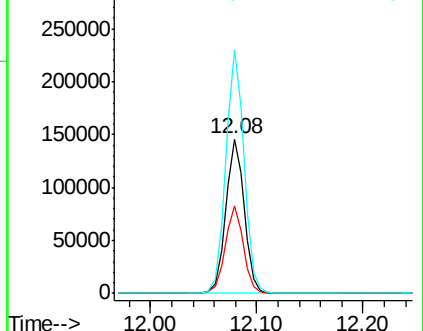
150 156.3 0.0 351.0



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: 0.44 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005294.D

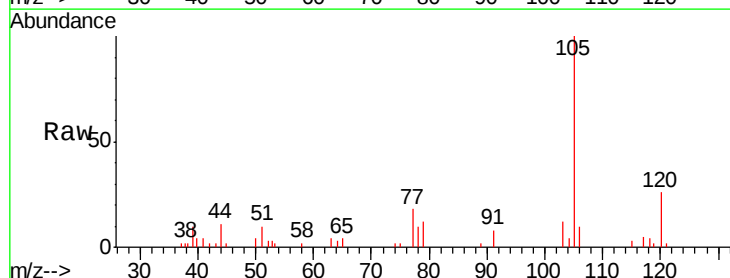
Acq: 12 Oct 2018 15:38

Tgt Ion:105 Resp: 4566

Ion Ratio Lower Upper

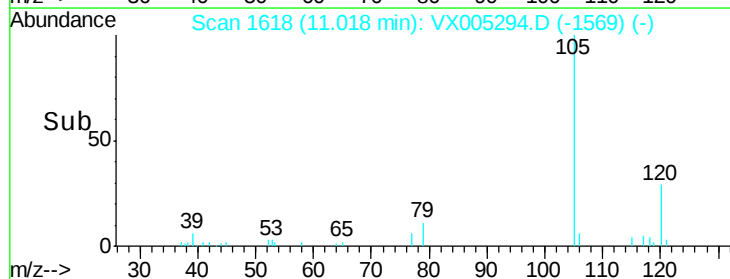
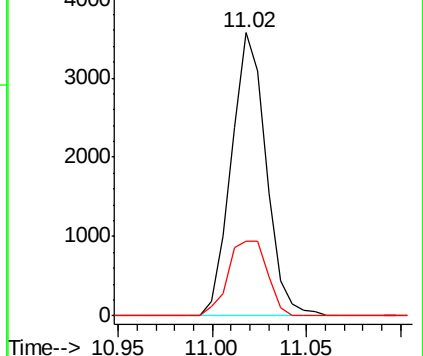
105 100

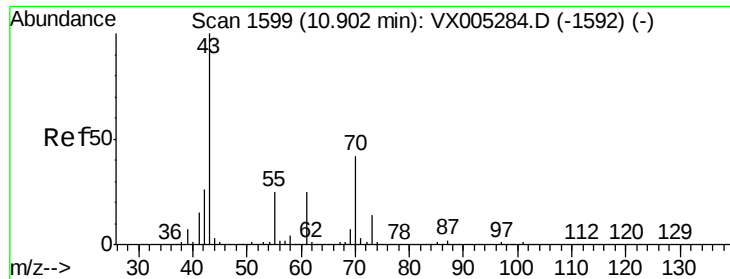
120 30.0 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 0.41 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 43 Resp: 2055

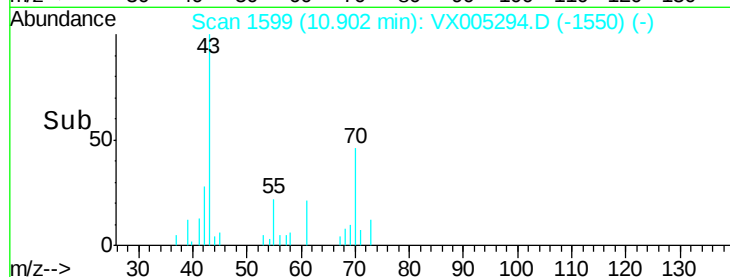
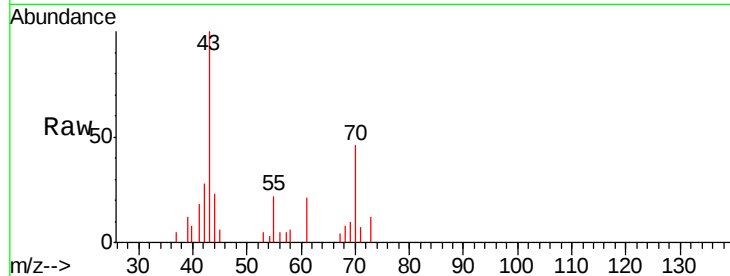
Ion Ratio Lower Upper

43 100

70 40.0 37.4 56.0

55 27.3 21.8 32.8

61 22.7 20.6 30.8

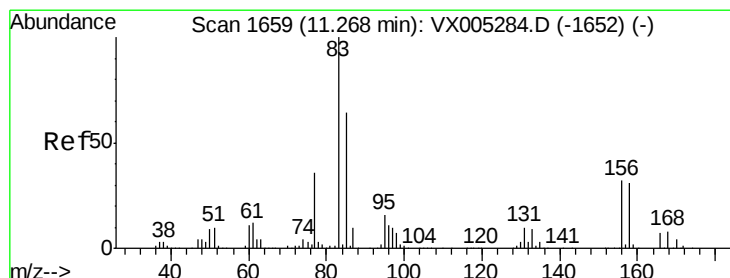
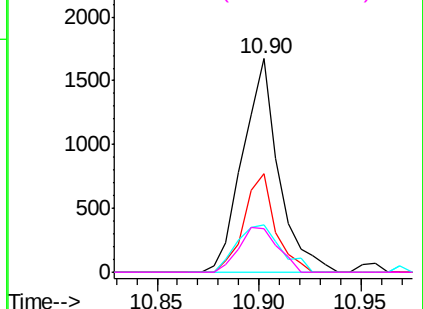


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.53 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

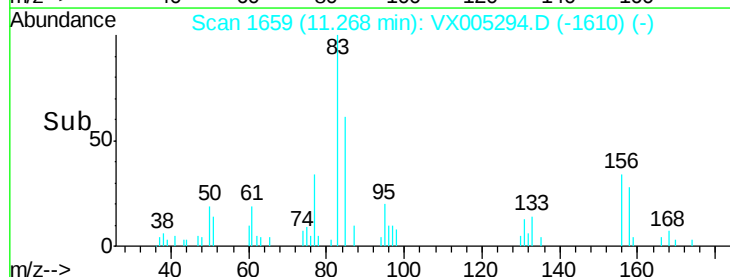
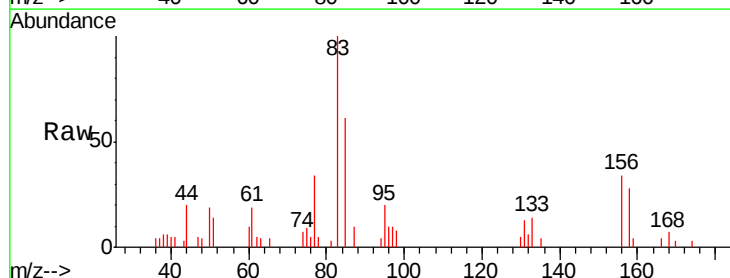
Tgt Ion: 83 Resp: 2091

Ion Ratio Lower Upper

83 100

131 14.6 5.2 15.6

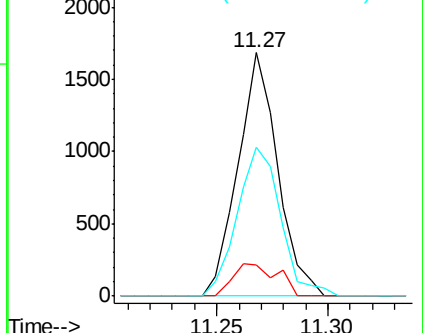
85 66.8 32.3 96.8

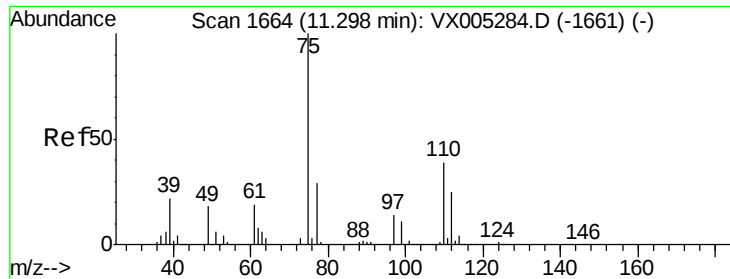


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

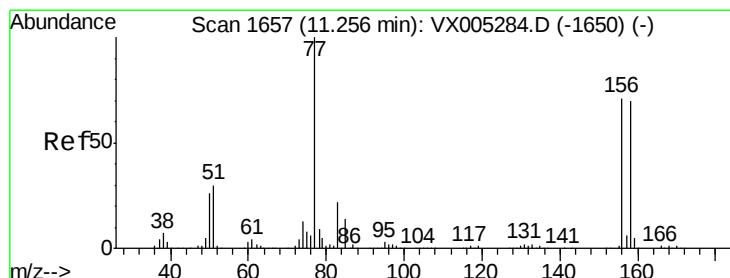
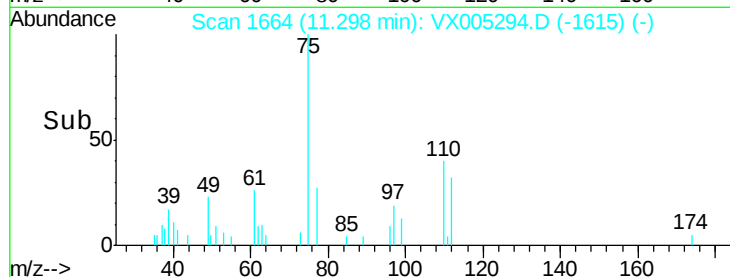
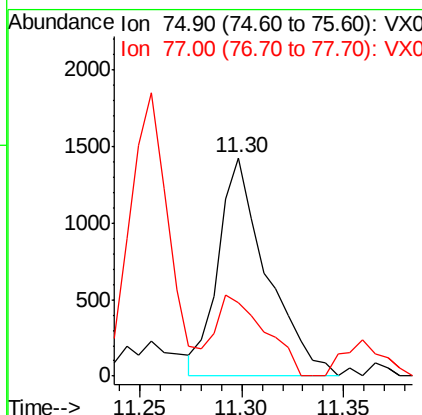
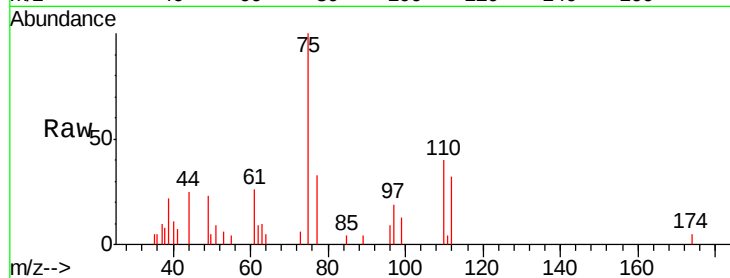




#76
 1,2,3-Trichloropropane
 Concen: 0.69 ug/l
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.00 min
 Lab File: VX005294.D
 Acq: 12 Oct 2018 15:38

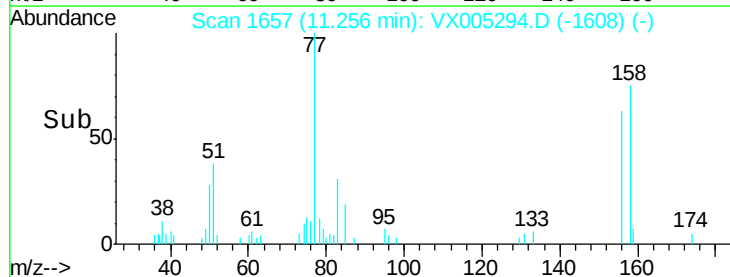
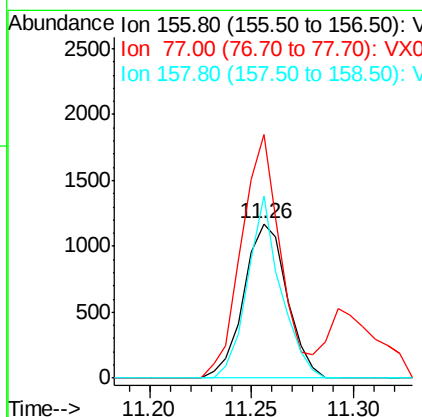
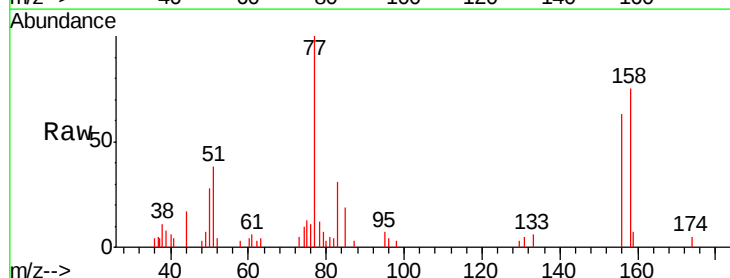
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

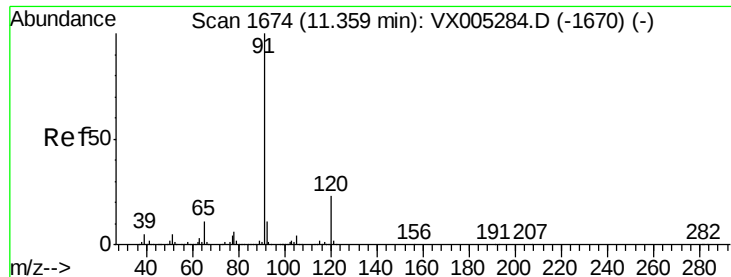
Tgt Ion: 75 Resp: 2363
 Ion Ratio Lower Upper
 75 100
 77 37.3 20.2 60.6



#77
 Bromobenzene
 Concen: 0.58 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VX005294.D
 Acq: 12 Oct 2018 15:38

Tgt Ion: 156 Resp: 1727
 Ion Ratio Lower Upper
 156 100
 77 143.7 71.5 214.3
 158 90.2 48.9 146.8

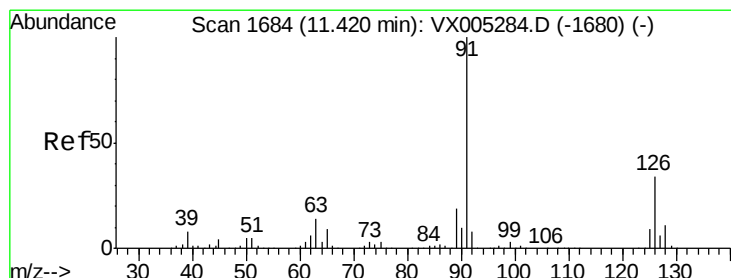
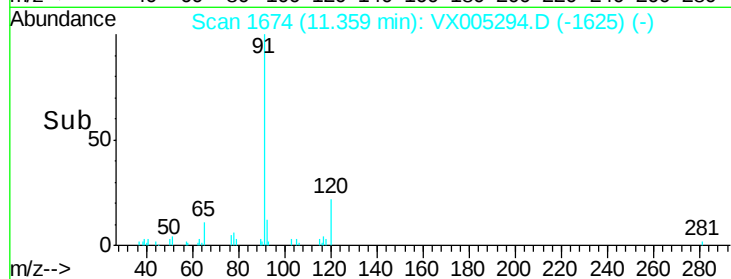
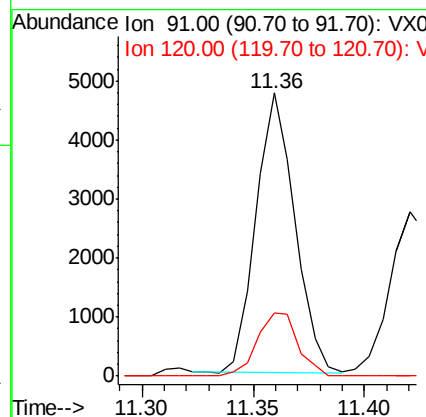
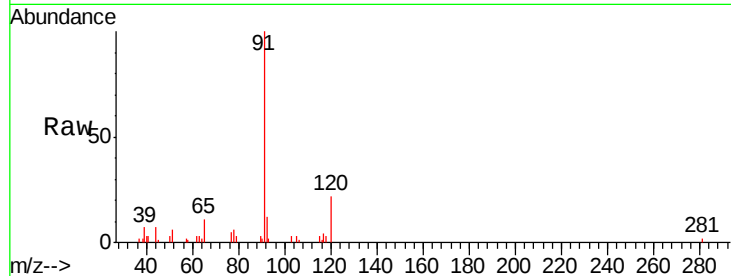




#78
n-propylbenzene
Concen: 0.48 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX005294.D
Acq: 12 Oct 2018 15:38

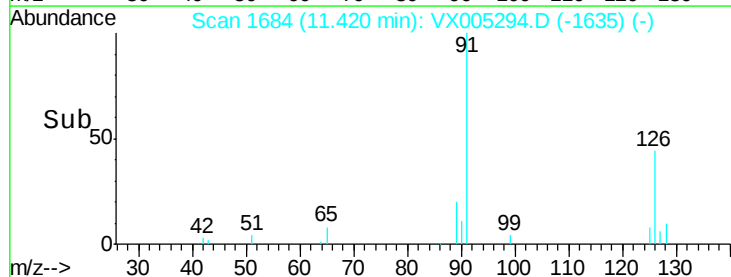
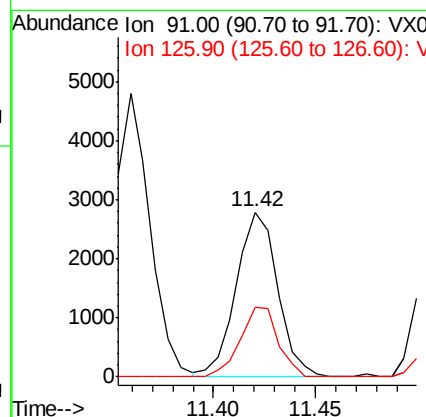
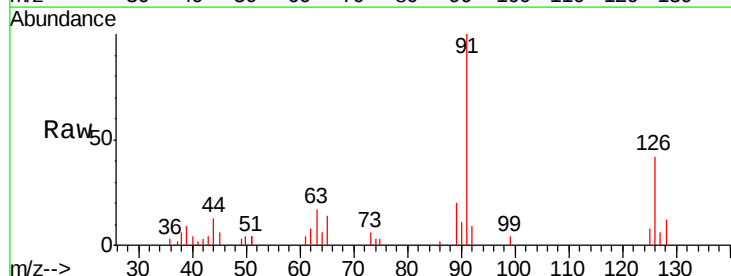
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

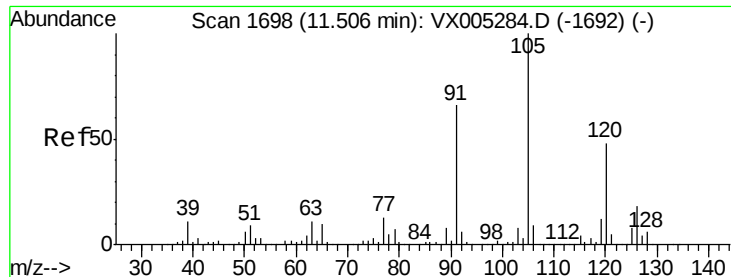
Tgt Ion: 91 Resp: 5774
Ion Ratio Lower Upper
91 100
120 23.4 11.9 35.9



#79
2-Chlorotoluene
Concen: 0.53 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX005294.D
Acq: 12 Oct 2018 15:38

Tgt Ion: 91 Resp: 3952
Ion Ratio Lower Upper
91 100
126 38.3 17.9 53.7

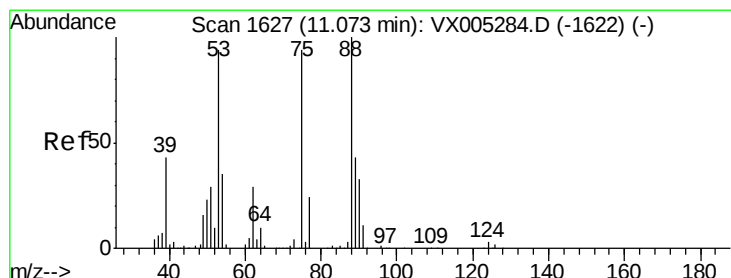
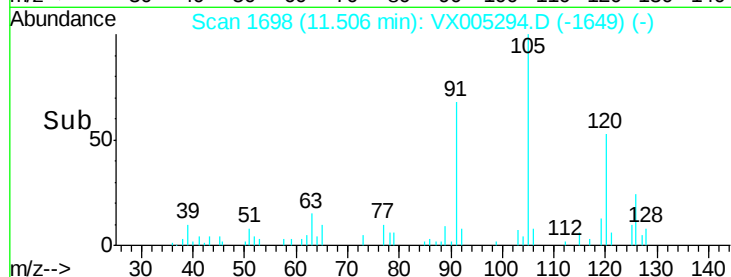
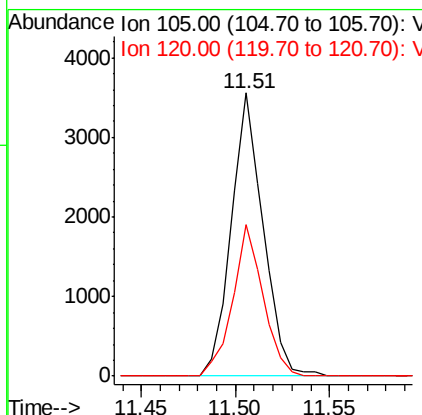
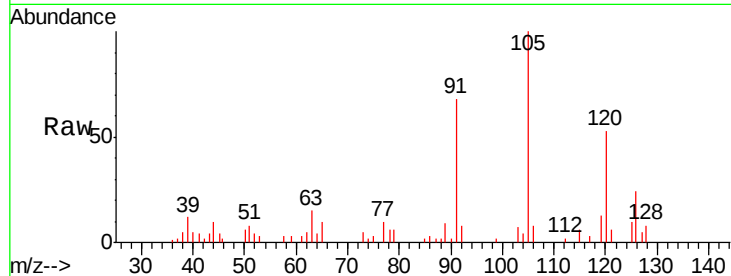




#80
 1,3,5-Trimethylbenzene
 Concen: 0.46 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX005294.D
 Acq: 12 Oct 2018 15:38

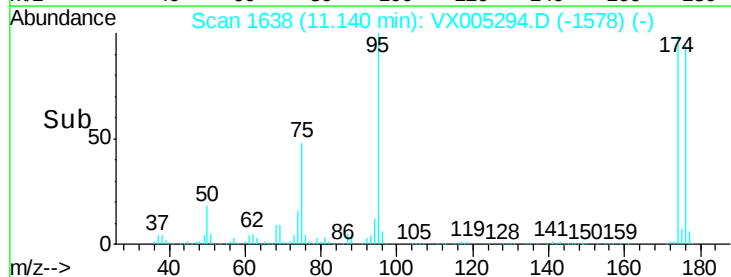
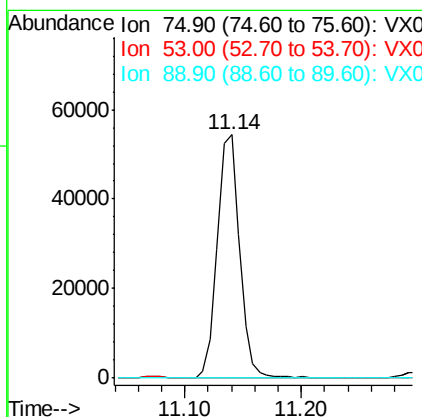
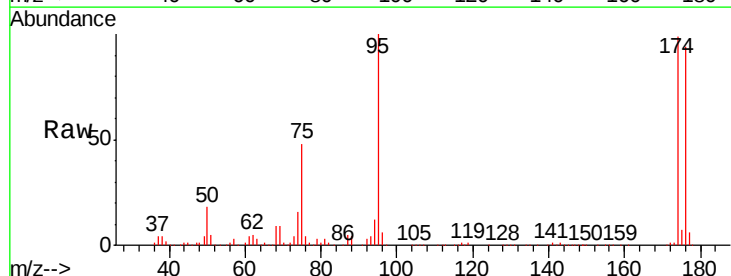
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

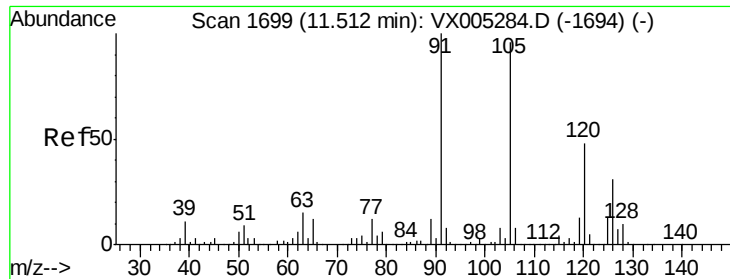
Tgt Ion: 105 Resp: 4160
 Ion Ratio Lower Upper
 105 100
 120 51.2 25.6 76.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.84 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX005294.D
 Acq: 12 Oct 2018 15:38

Tgt Ion: 75 Resp: 71912
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.1 120.1#
 89 0.0 37.2 55.8#





#82

4-Chlorotoluene

Concen: 0.51 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

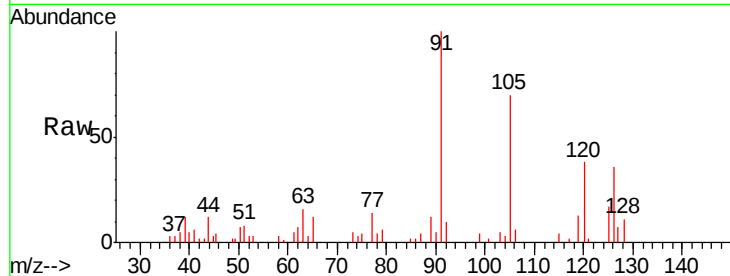
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 91 Resp: 4450

Ion Ratio Lower Upper

91 100

126 32.4 15.5 46.5

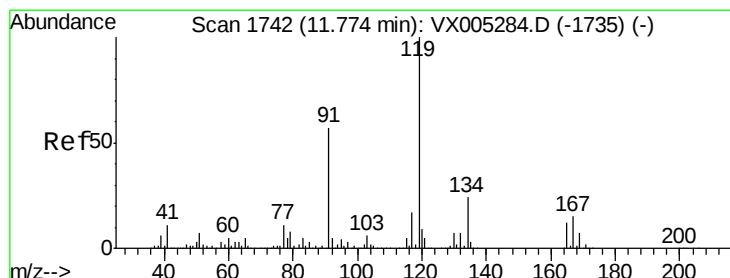
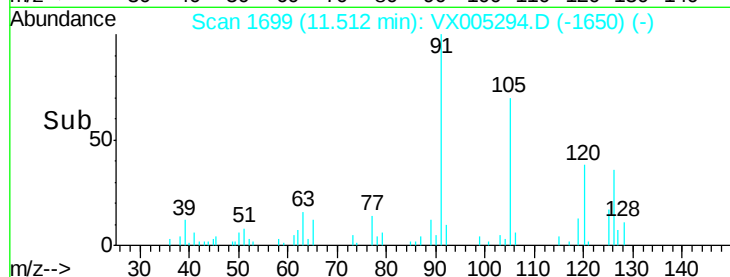


Abundance Ion 91.00 (90.70 to 91.70): VX005284.D (-1694) (-)

Ion 125.90 (125.60 to 126.60): VX005284.D (-1694) (-)

11.51

Time-->



#83

tert-Butylbenzene

Concen: 0.46 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.01 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

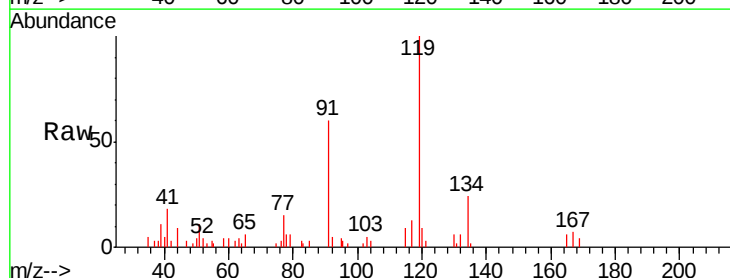
Tgt Ion: 119 Resp: 4185

Ion Ratio Lower Upper

119 100

91 54.0 27.0 81.0

134 21.0 11.7 35.1



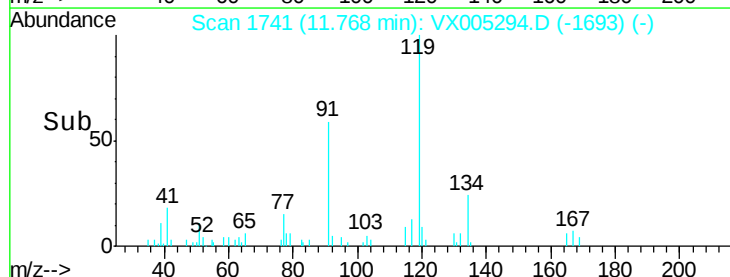
Abundance Ion 119.00 (118.70 to 119.70): VX005284.D (-1735) (-)

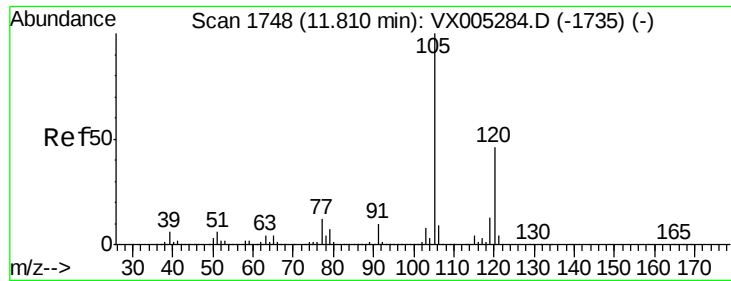
Ion 91.00 (90.70 to 91.70): VX005284.D (-1735) (-)

Ion 134.00 (133.70 to 134.70): VX005284.D (-1735) (-)

11.77

Time-->

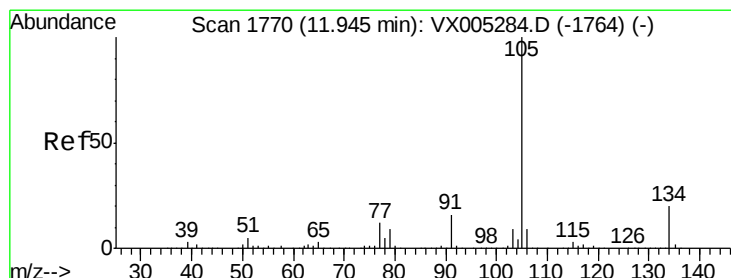
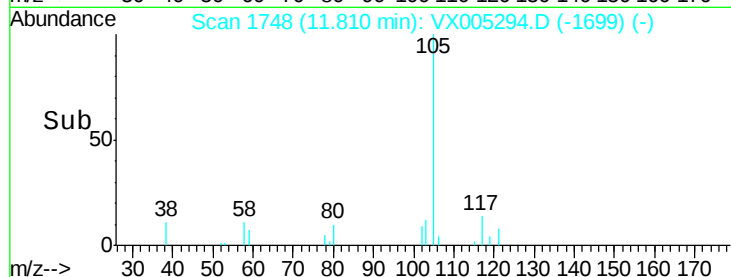
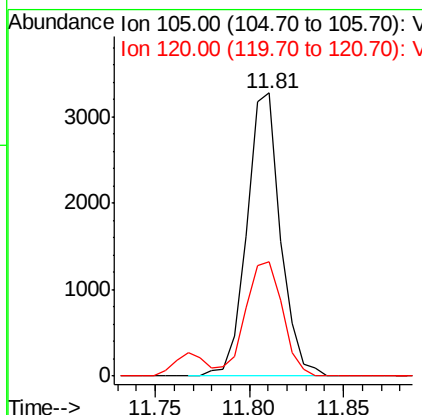
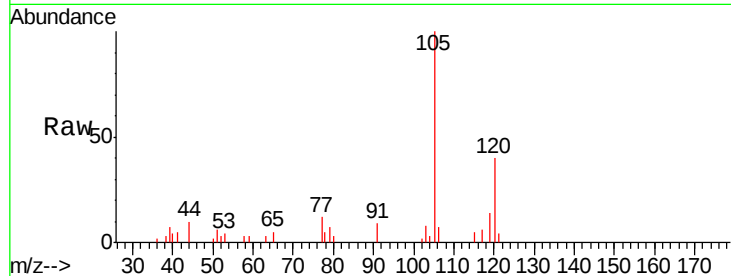




#84
 1,2,4-Trimethylbenzene
 Concen: 0.44 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX005294.D
 Acq: 12 Oct 2018 15:38

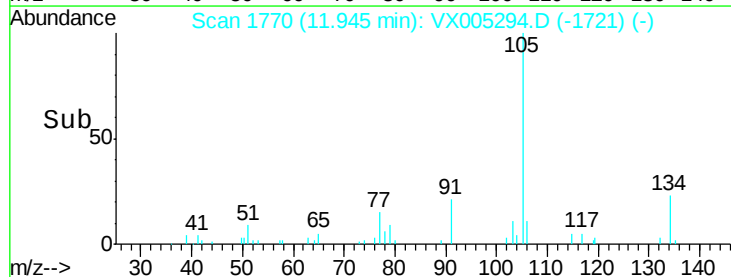
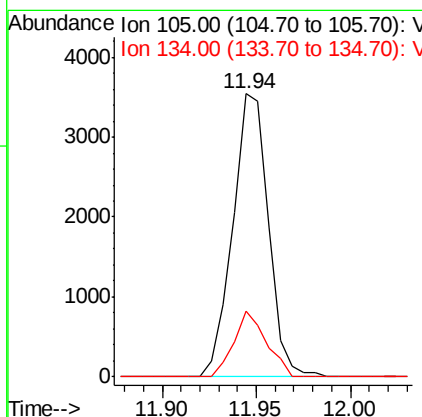
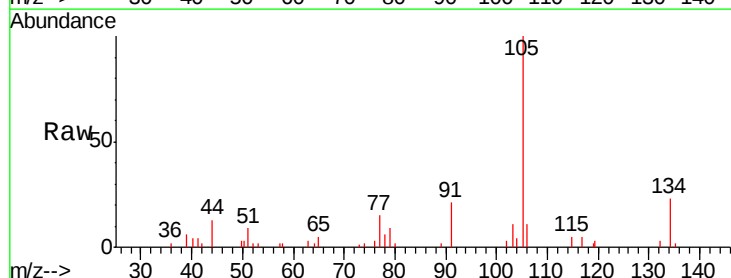
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

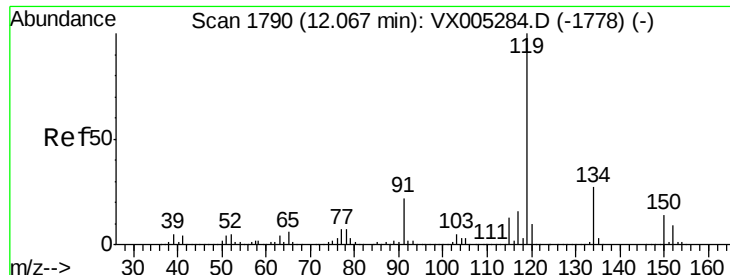
Tgt Ion:105 Resp: 4052
 Ion Ratio Lower Upper
 105 100
 120 44.7 23.2 69.6



#85
 sec-Butylbenzene
 Concen: 0.43 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX005294.D
 Acq: 12 Oct 2018 15:38

Tgt Ion:105 Resp: 4657
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.5 31.5

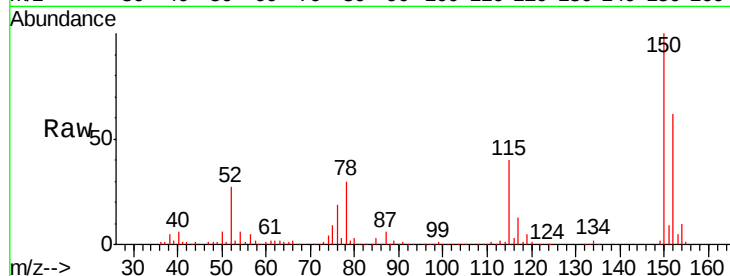




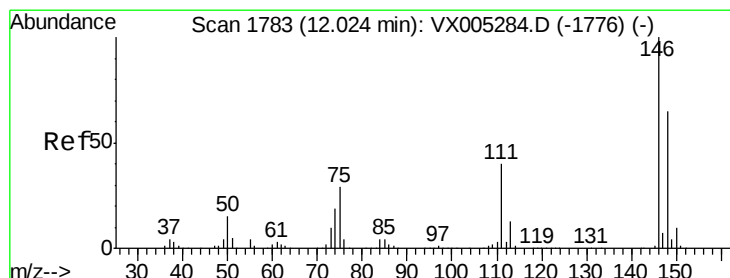
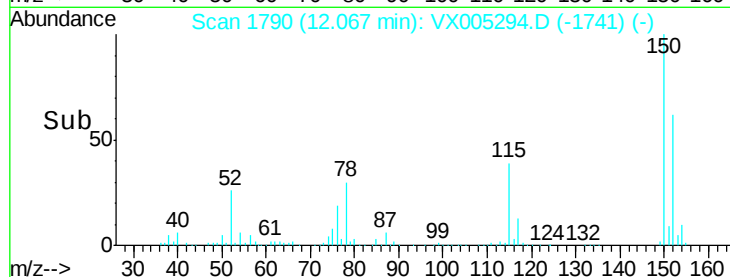
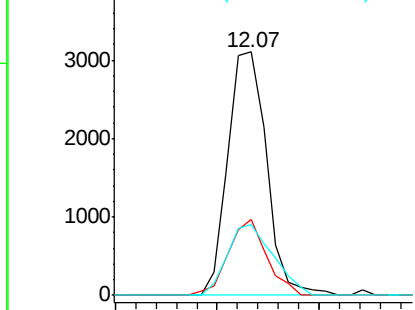
#86
p-Isopropyltoluene
Concen: 0.42 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX005294.D
Acq: 12 Oct 2018 15:38

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

Tgt Ion:119 Resp: 4096
Ion Ratio Lower Upper
119 100
134 30.7 13.4 40.2
91 34.5 10.9 32.7#

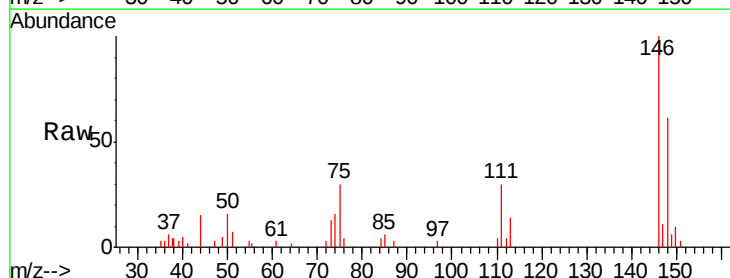


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

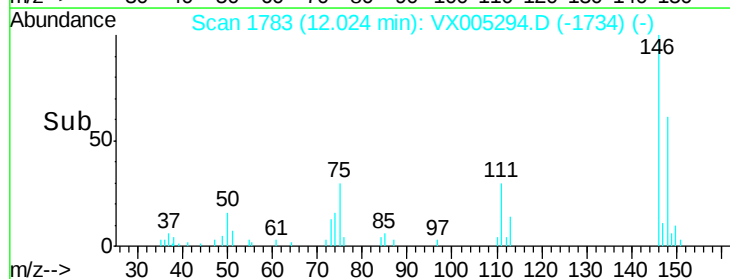
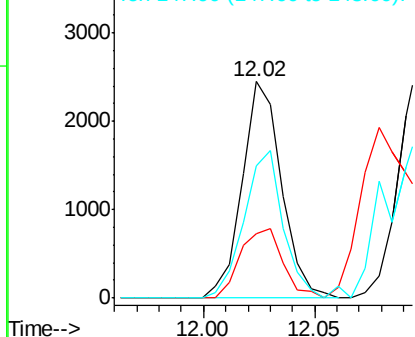


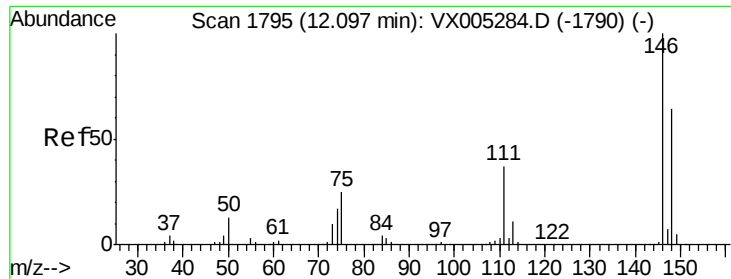
#87
1,3-Dichlorobenzene
Concen: 0.54 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VX005294.D
Acq: 12 Oct 2018 15:38

Tgt Ion:146 Resp: 3033
Ion Ratio Lower Upper
146 100
111 34.7 18.7 56.1
148 67.2 32.1 96.5



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

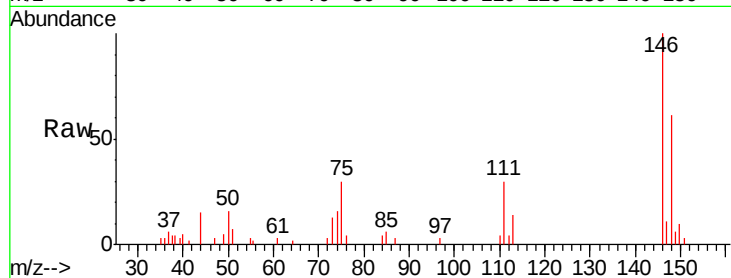




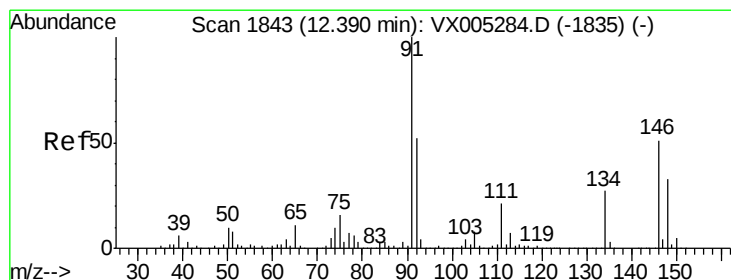
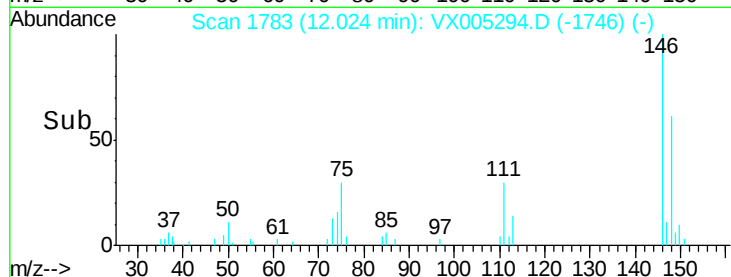
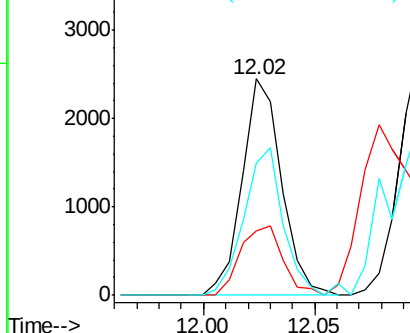
#88
 1,4-Dichlorobenzene
 Concen: 0.53 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.07 min
 Lab File: VX005294.D
 Acq: 12 Oct 2018 15:38

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

Tgt Ion: 146 Resp: 3033
 Ion Ratio Lower Upper
 146 100
 111 34.7 18.1 54.1
 148 67.2 32.0 96.0

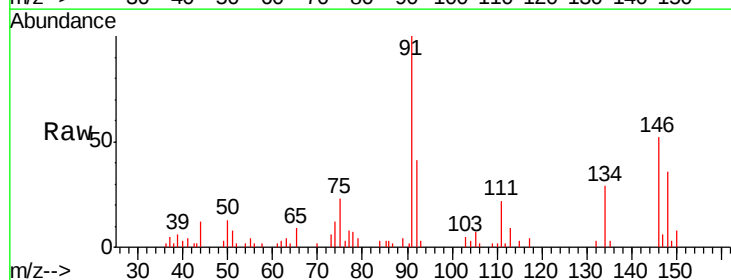


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

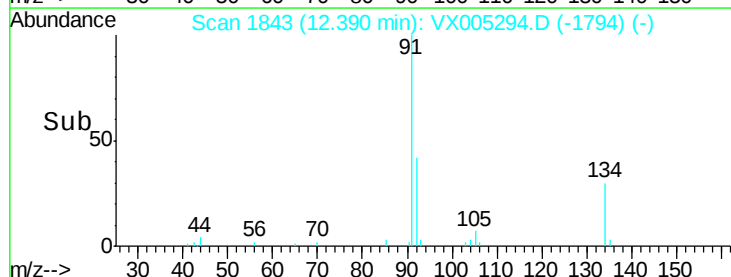
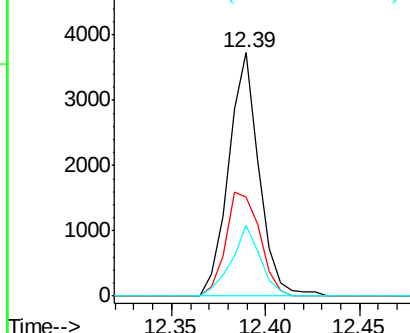


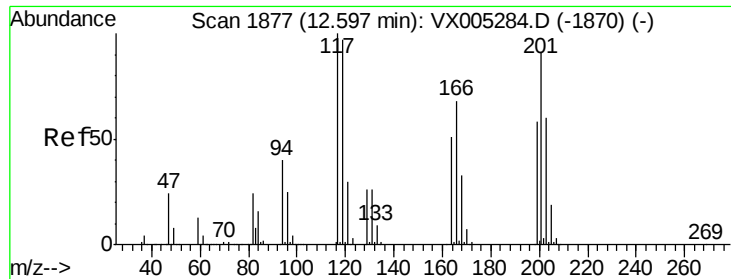
#89
 n-Butylbenzene
 Concen: 0.47 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX005294.D
 Acq: 12 Oct 2018 15:38

Tgt Ion: 91 Resp: 4161
 Ion Ratio Lower Upper
 91 100
 92 47.9 27.3 81.9
 134 27.7 13.6 40.7



Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 92.00 (91.70 to 92.70): VX0
 Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.49 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

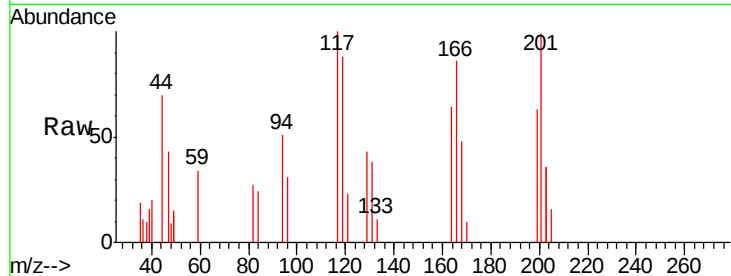
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:117 Resp: 814

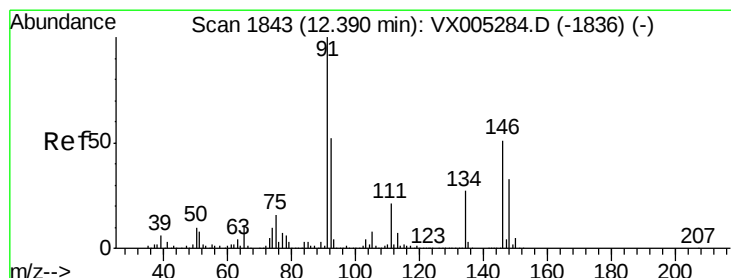
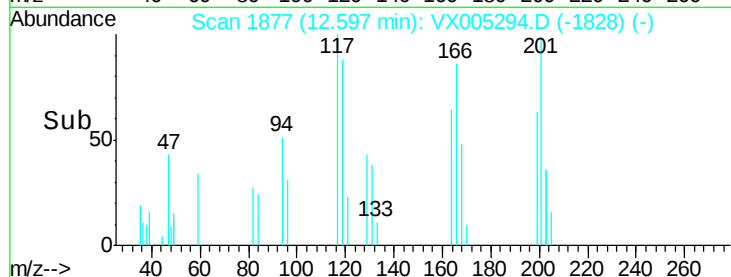
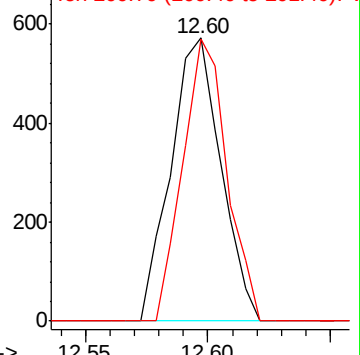
Ion Ratio Lower Upper

117 100

201 87.7 46.9 140.6



Abundance Ion 116.80 (116.50 to 117.50): V



#91

1,2-Dichlorobenzene

Concen: 0.51 ug/l

RT: 12.40 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

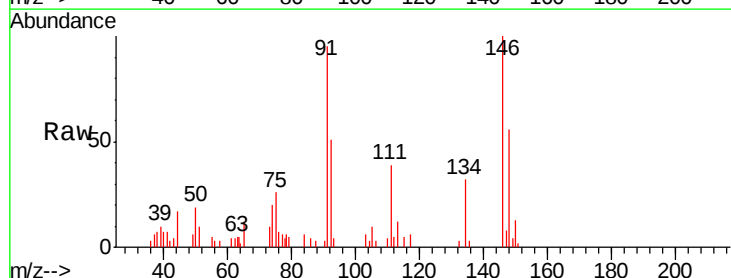
Tgt Ion:146 Resp: 2903

Ion Ratio Lower Upper

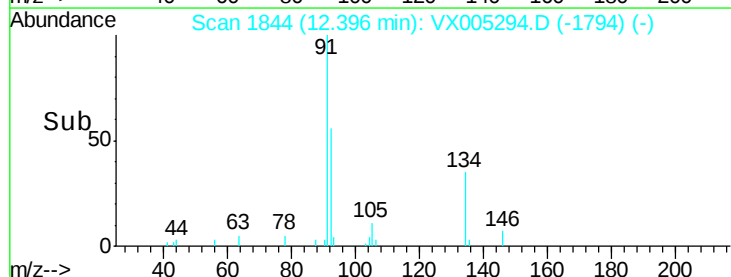
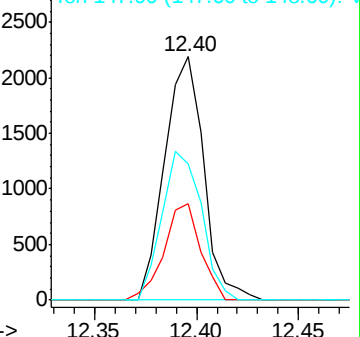
146 100

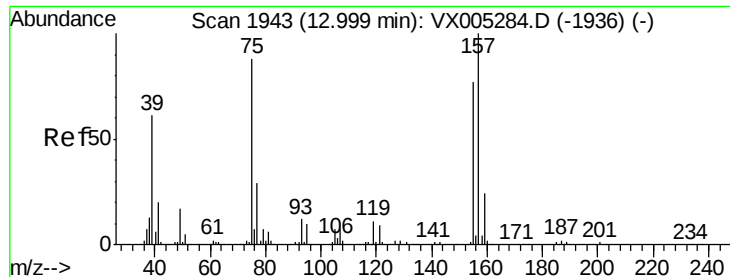
111 37.0 19.4 58.1

148 61.8 32.8 98.3



Abundance Ion 145.90 (145.60 to 146.60): V

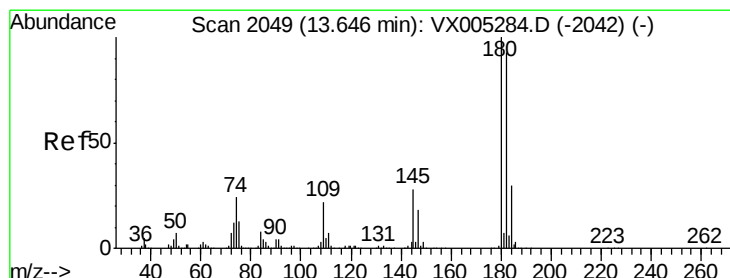
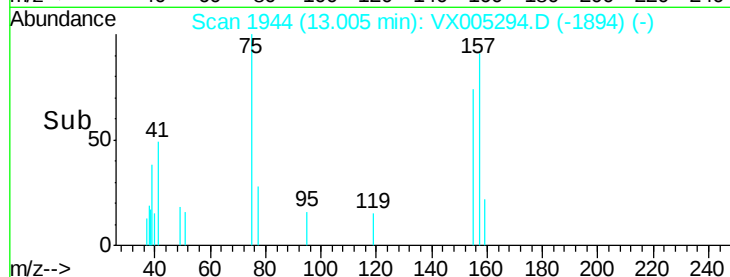
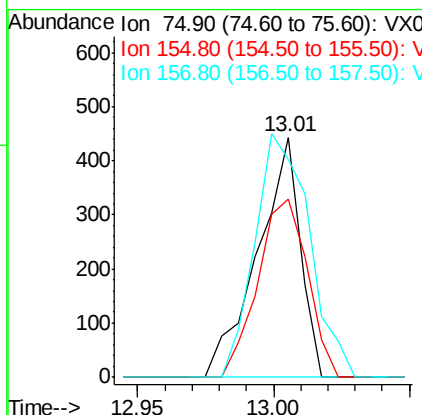
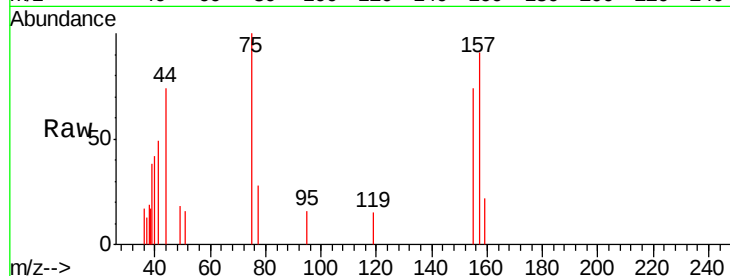




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.50 ug/l
 RT: 13.01 min Scan# 1944
 Delta R.T. 0.01 min
 Lab File: VX005294.D
 Acq: 12 Oct 2018 15:38

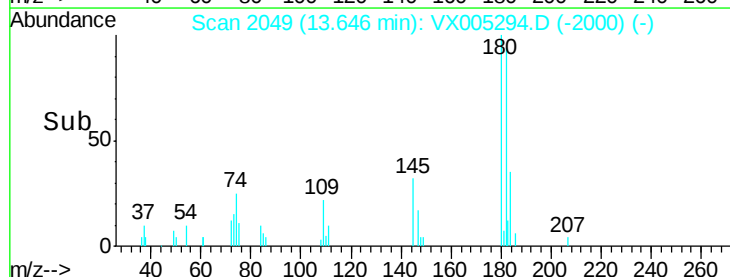
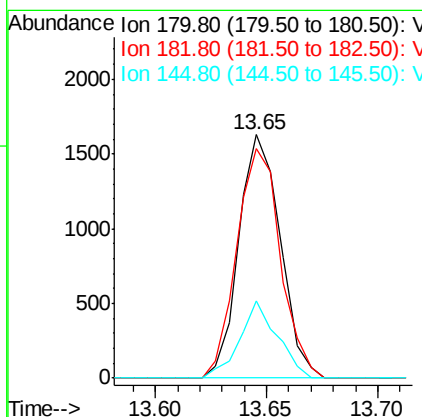
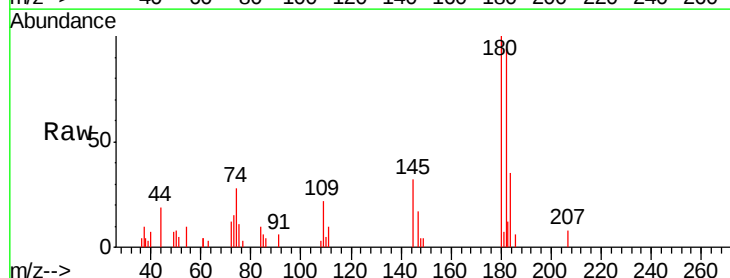
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

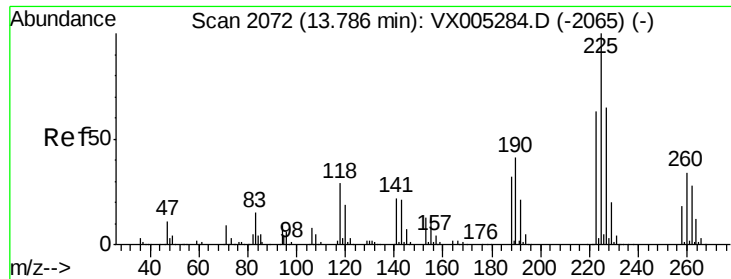
Tgt Ion: 75 Resp: 482
 Ion Ratio Lower Upper
 75 100
 155 86.3 48.0 144.2
 157 129.7 61.4 184.1



#93
 1,2,4-Trichlorobenzene
 Concen: 0.50 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005294.D
 Acq: 12 Oct 2018 15:38

Tgt Ion: 180 Resp: 2114
 Ion Ratio Lower Upper
 180 100
 182 99.2 48.4 145.0
 145 28.7 14.3 42.9





#94

Hexachlorobutadiene

Concen: 0.52 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.01 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

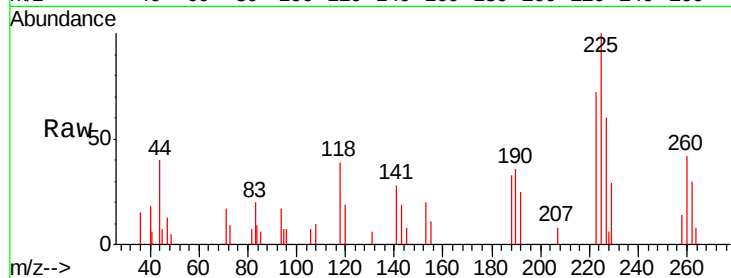
Tgt Ion:225 Resp: 1145

Ion Ratio Lower Upper

225 100

223 67.8 30.1 90.5

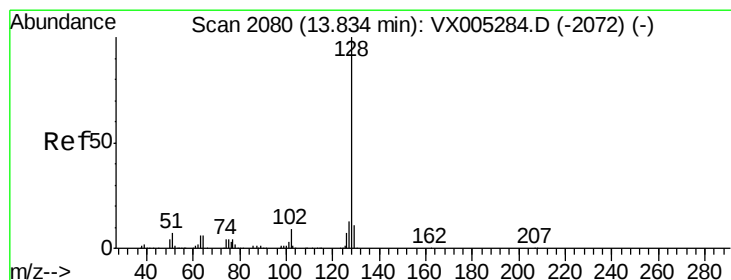
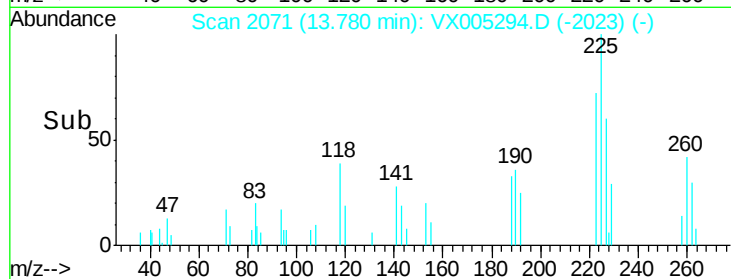
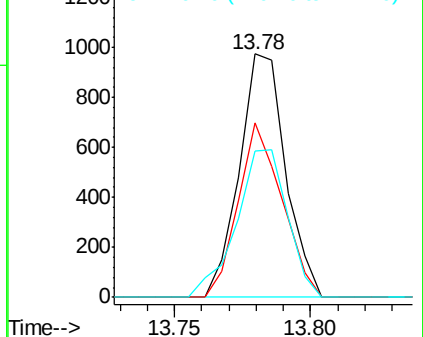
227 67.2 30.8 92.4



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: 0.43 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005294.D

Acq: 12 Oct 2018 15:38

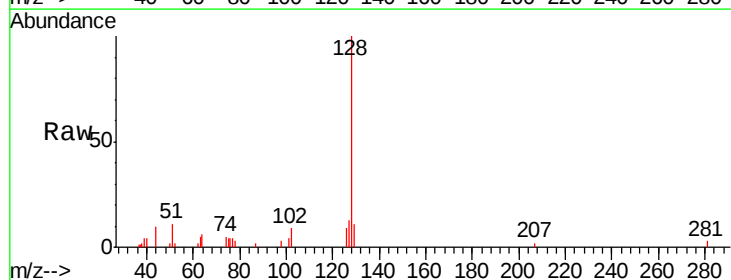
Tgt Ion:128 Resp: 5177

Ion Ratio Lower Upper

128 100

127 15.5 10.2 15.2#

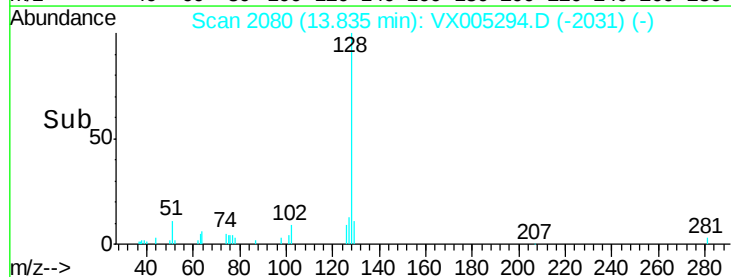
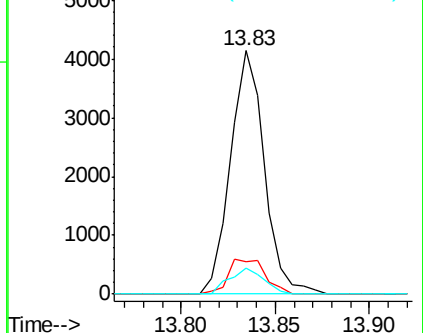
129 11.0 8.6 12.8

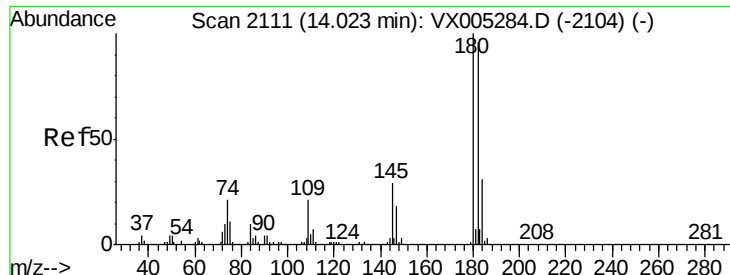


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.51 ug/l
 RT: 14.02 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VX005294.D
 Acq: 12 Oct 2018 15:38

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

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	48.5	145.6
145	32.2	14.9	44.9

