

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101218\
 Data File : VX005293.D
 Acq On : 12 Oct 2018 15:11
 Operator : JC/MD
 Sample : J5164-09 0.2ppb
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Quant Time: Oct 12 17:07:30 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	5.66	168	262940	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	381570	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	333484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	169181	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	169502	58.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.16%	
35) Dibromofluoromethane	5.50	113	119494	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	
50) Toluene-d8	8.72	98	425239	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
62) 4-Bromofluorobenzene	11.14	95	145304	44.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.16%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	494	0.24	ug/l	100
3) Chloromethane	1.32	50	1299	0.44	ug/l	91
4) Vinyl Chloride	1.40	62	775	0.26	ug/l #	80
5) Bromomethane	1.64	94	1025	1.18	ug/l	96
6) Chloroethane	1.72	64	579	0.63	ug/l #	32
7) Trichlorofluoromethane	1.93	101	979	0.24	ug/l	85
8) Diethyl Ether	2.18	74	470	0.27	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	611	0.26	ug/l #	81
10) Methyl Iodide	2.52	142	751	2.77	ug/l #	91
11) Tert butyl alcohol	3.06	59	1185	1.44	ug/l #	58
12) 1,1-Dichloroethene	2.37	96	673	0.29	ug/l	94
13) Acrolein	2.29	56	915	Below	Cal #	78
14) Allyl chloride	2.73	41	1078	0.21	ug/l	97
15) Acrylonitrile	3.15	53	2594	1.39	ug/l	95
16) Acetone	2.45	43	2774	1.64	ug/l	95
17) Carbon Disulfide	2.57	76	2879	0.41	ug/l #	86
18) Methyl Acetate	2.78	43	2156	0.45	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	1882	0.23	ug/l #	69
20) Methylene Chloride	2.85	84	1237	Below	Cal #	89
21) trans-1,2-Dichloroethene	3.16	96	773	0.30	ug/l	90
22) Diisopropyl ether	3.87	45	1740	0.20	ug/l #	91
23) Vinyl Acetate	3.82	43	6938	0.93	ug/l	95
24) 1,1-Dichloroethane	3.70	63	1128	0.23	ug/l #	82
25) 2-Butanone	4.71	43	3027	1.23	ug/l #	89
27) cis-1,2-Dichloroethene	4.59	96	599	0.22	ug/l #	1
28) Bromochloromethane	5.02	49	706	0.32	ug/l #	78
29) Tetrahydrofuran	5.17	42	2139	1.36	ug/l #	87
31) Cyclohexane	5.59	56	1018	0.25	ug/l #	90
32) 1,1,1-Trichloroethane	5.52	97	887	0.23	ug/l #	23
36) 1,1-Dichloropropene	5.81	75	903	0.24	ug/l #	87
37) Ethyl Acetate	4.87	43	997	0.21	ug/l #	90
38) Carbon Tetrachloride	5.79	117	1384	0.37	ug/l #	86
39) Methylcyclohexane	7.46	83	1027	0.26	ug/l	93
40) Benzene	6.15	78	2399	0.22	ug/l	99

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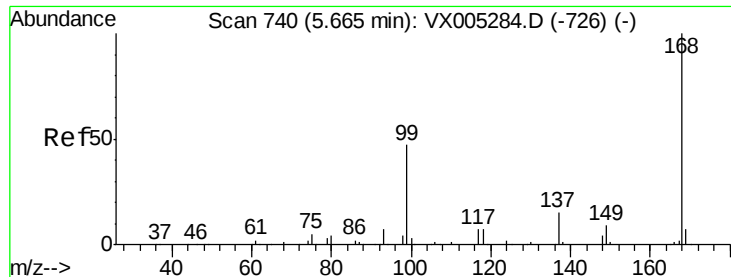
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2018

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

42) 1,2-Dichloroethane	6.20	62	998	0.25	ug/l	84
43) Isopropyl Acetate	6.46	43	1439	0.23	ug/l	96
44) Trichloroethene	7.22	130	1502	Below	Cal	98
45) 1,2-Dichloropropane	7.52	63	549	0.20	ug/l #	81
46) Dibromomethane	7.66	93	438	0.24	ug/l	89
47) Bromodichloromethane	7.90	83	707	0.21	ug/l #	92
48) Methyl methacrylate	7.78	41	670	0.20	ug/l #	81
49) 1,4-Dioxane	7.76	88	375	4.95	ug/l #	70
51) 4-Methyl-2-Pentanone	8.65	43	3494	0.80	ug/l	98
52) Toluene	8.79	92	1376	0.23	ug/l	97
53) t-1,3-Dichloropropene	9.05	75	735	0.20	ug/l	92
55) 1,1,2-Trichloroethane	9.22	97	568	0.22	ug/l #	92
57) 1,3-Dichloropropane	9.38	76	976	0.23	ug/l #	88
58) 2-Chloroethyl Vinyl ether	8.32	63	1824	0.87	ug/l	100
59) 2-Hexanone	9.50	43	2952	0.84	ug/l	88
64) Tetrachloroethene	9.34	164	716	0.27	ug/l	93
65) Chlorobenzene	10.14	112	1619	0.23	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	608	0.24	ug/l #	57
67) Ethyl Benzene	10.25	91	2419	0.21	ug/l	92
68) m/p-Xylenes	10.36	106	1746	0.39	ug/l	96
73) Isopropylbenzene	11.02	105	2074	0.21	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	862	0.23	ug/l	95
76) 1,2,3-Trichloropropane	11.14	75	70861	21.59	ug/l #	37
77) Bromobenzene	11.26	156	681	0.24	ug/l	81
78) n-propylbenzene	11.36	91	2799	0.24	ug/l	99
79) 2-Chlorotoluene	11.42	91	1724	0.24	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	1805	0.21	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.14	75	70861	65.61	ug/l #	10
82) 4-Chlorotoluene	11.51	91	1981	0.24	ug/l	98
83) tert-Butylbenzene	11.77	119	1835	0.21	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	1913	0.22	ug/l	96
85) sec-Butylbenzene	11.94	105	2177	0.21	ug/l	95
86) p-Isopropyltoluene	12.07	119	1974	0.21	ug/l #	68
87) 1,3-Dichlorobenzene	12.03	146	1410	0.26	ug/l	94
88) 1,4-Dichlorobenzene	12.03	146	1410	0.26	ug/l	93
89) n-Butylbenzene	12.39	91	2093	0.25	ug/l	93
91) 1,2-Dichlorobenzene	12.40	146	1238	0.23	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	13.01	75	267	0.29	ug/l	72
93) 1,2,4-Trichlorobenzene	13.65	180	1329	0.33	ug/l	88
94) Hexachlorobutadiene	13.78	225	548	0.26	ug/l	85
95) Naphthalene	13.83	128	2506	0.21	ug/l #	94
96) 1,2,3-Trichlorobenzene	14.02	180	1036	0.25	ug/l	89

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

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Instrument :

MSVOA_X

ClientSampleId :

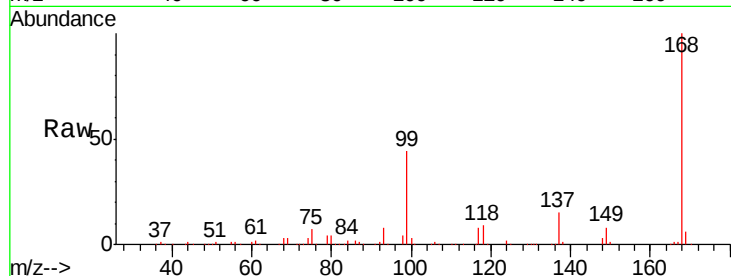
MDL-WATER-03-QT4-2018

Tgt Ion:168 Resp: 262940

Ion Ratio Lower Upper

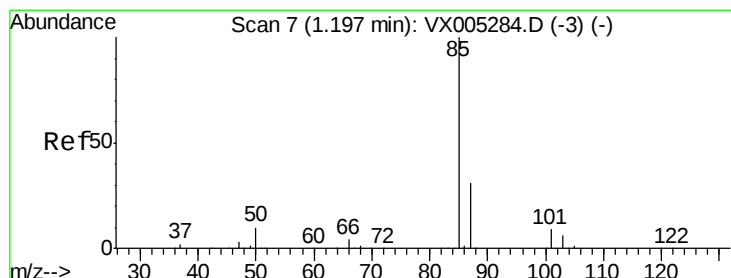
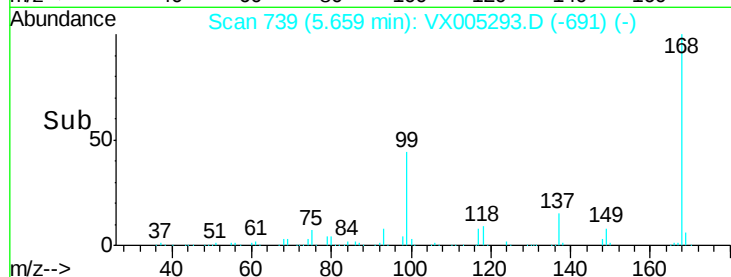
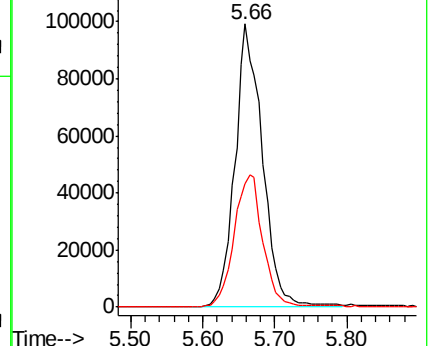
168 100

99 43.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.24 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005293.D

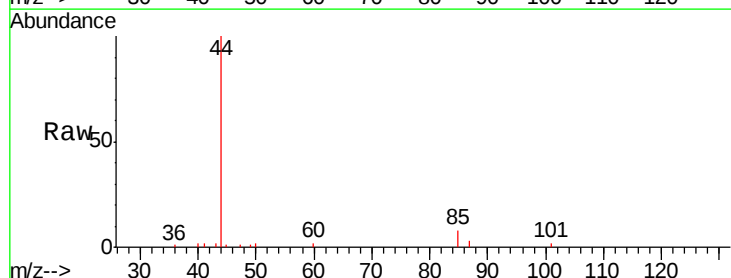
Acq: 12 Oct 2018 15:11

Tgt Ion: 85 Resp: 494

Ion Ratio Lower Upper

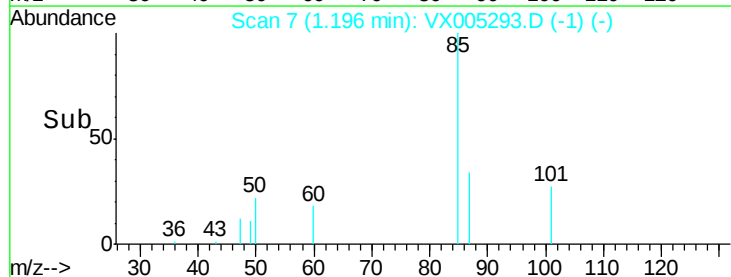
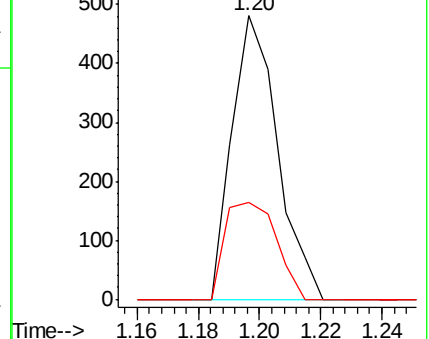
85 100

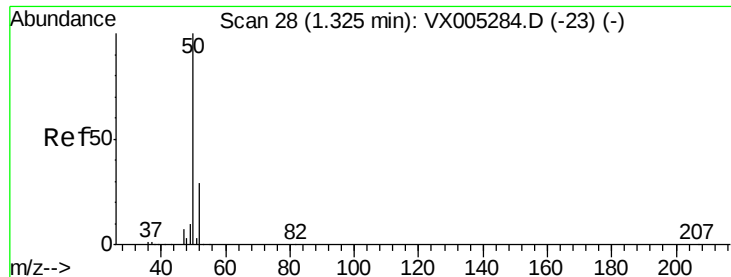
87 34.1 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.44 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

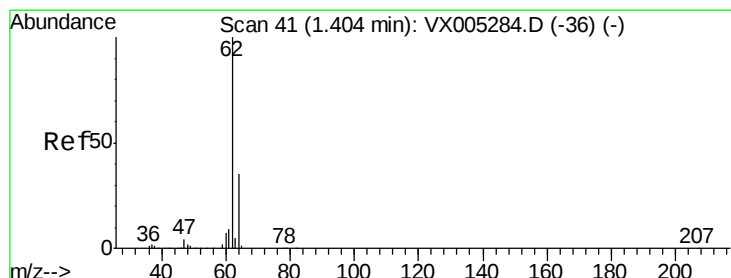
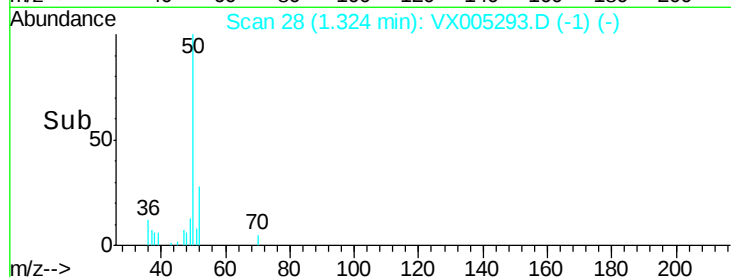
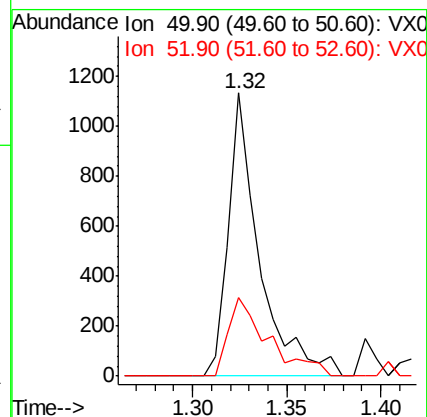
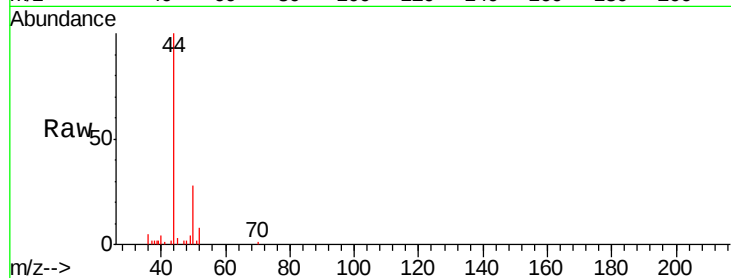
MDL-WATER-03-QT4-2018

Tgt Ion: 50 Resp: 1299

Ion Ratio Lower Upper

50 100

52 27.7 26.2 39.2



#4

Vinyl Chloride

Concen: 0.26 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005293.D

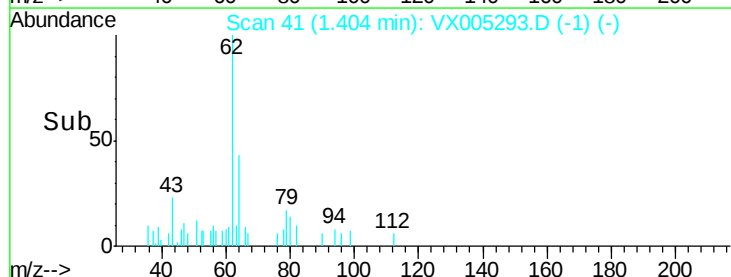
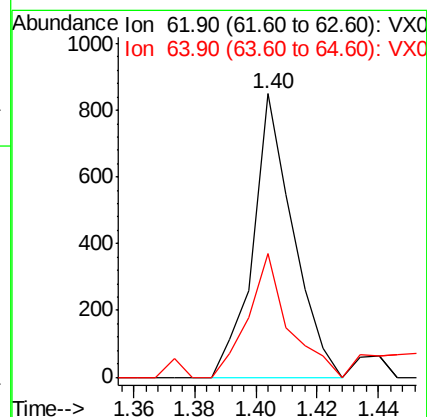
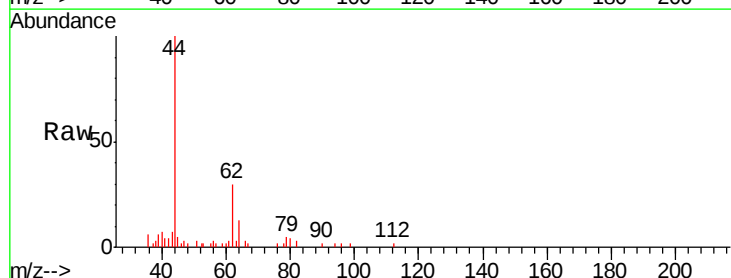
Acq: 12 Oct 2018 15:11

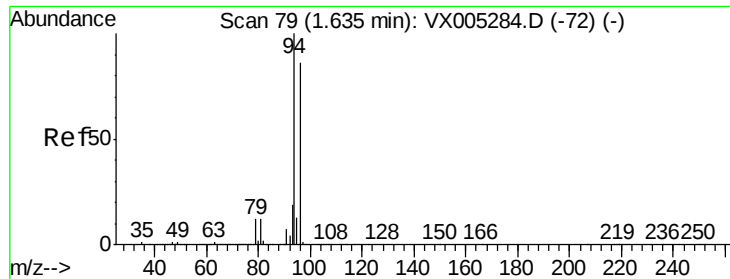
Tgt Ion: 62 Resp: 775

Ion Ratio Lower Upper

62 100

64 43.5 25.8 38.8#





#5

Bromomethane

Concen: 1.18 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

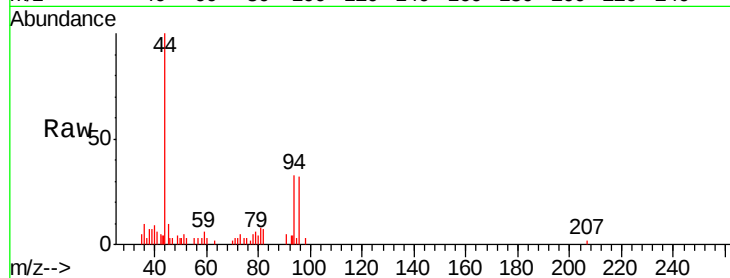
MDL-WATER-03-QT4-2018

Tgt Ion: 94 Resp: 1025

Ion Ratio Lower Upper

94 100

96 89.5 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

800

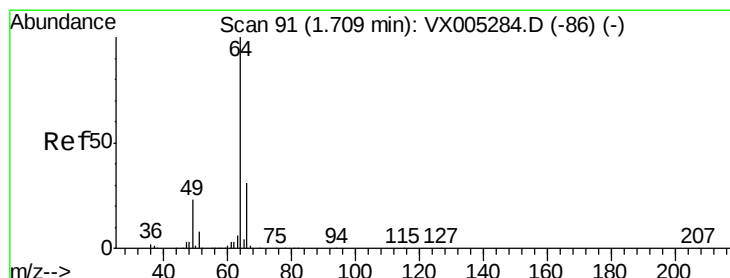
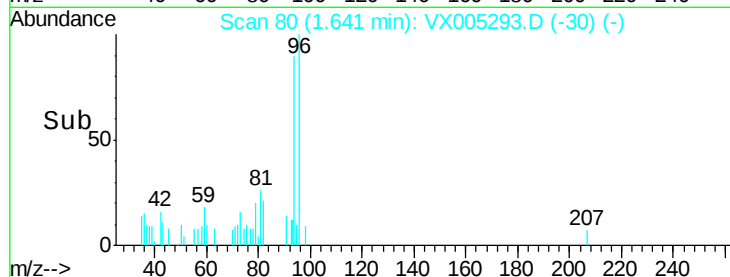
600

400

200

0

Time-->



#6

Chloroethane

Concen: 0.63 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005293.D

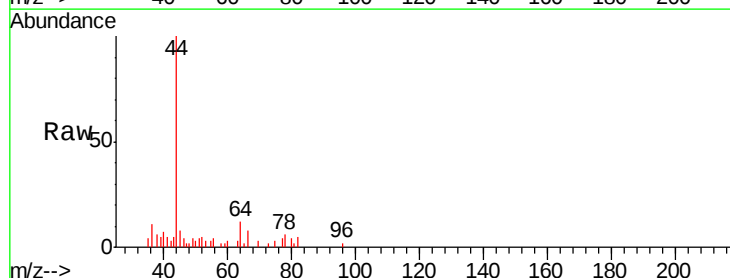
Acq: 12 Oct 2018 15:11

Tgt Ion: 64 Resp: 579

Ion Ratio Lower Upper

64 100

66 67.9 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

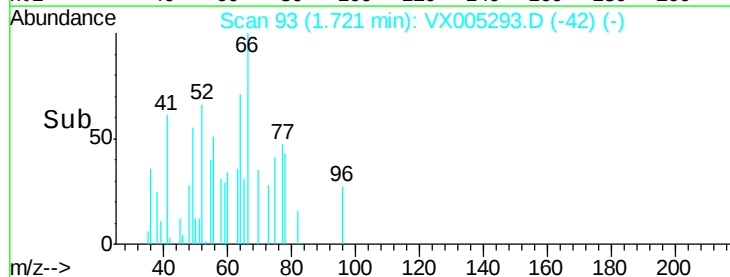
300

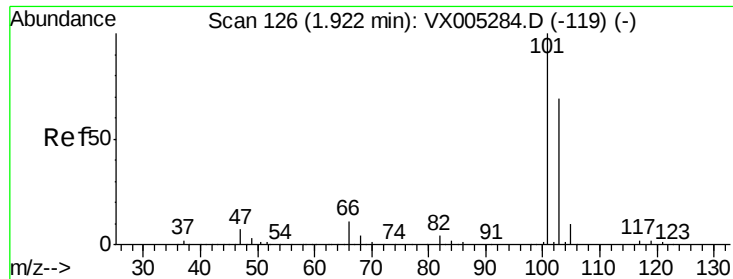
200

100

0

Time-->





#7

Trichlorofluoromethane

Concen: 0.24 ug/l

RT: 1.93 min Scan# 128

Delta R.T. 0.01 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

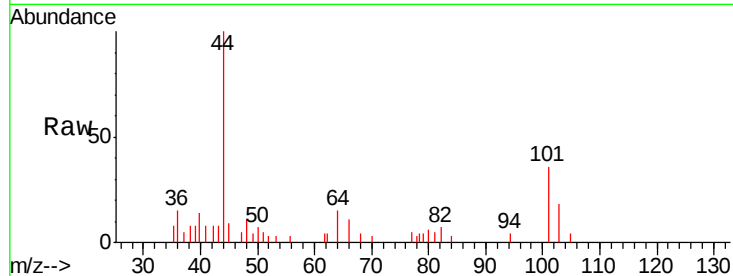
MDL-WATER-03-QT4-2018

Tgt Ion:101 Resp: 979

Ion Ratio Lower Upper

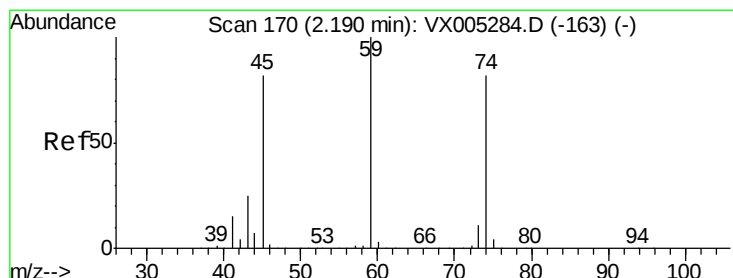
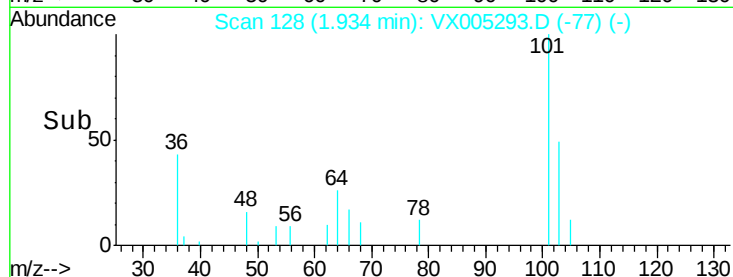
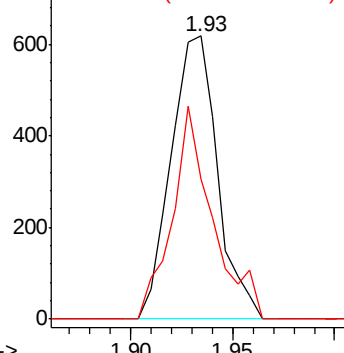
101 100

103 49.4 48.9 73.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 0.27 ug/l

RT: 2.18 min Scan# 169

Delta R.T. -0.01 min

Lab File: VX005293.D

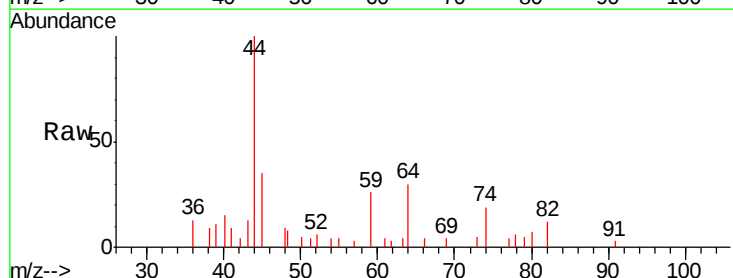
Acq: 12 Oct 2018 15:11

Tgt Ion: 74 Resp: 470

Ion Ratio Lower Upper

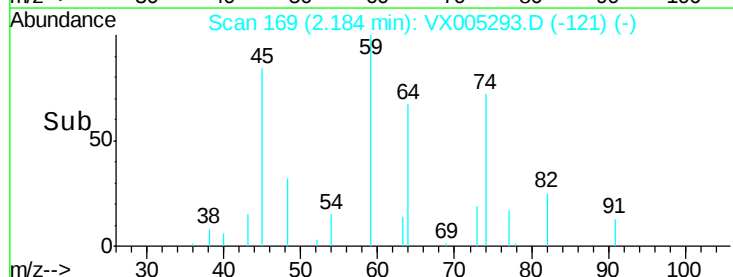
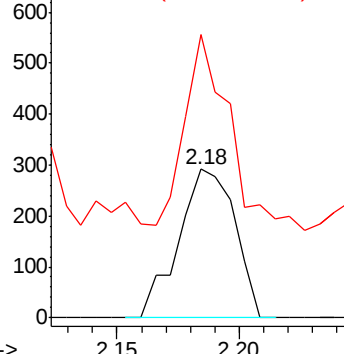
74 100

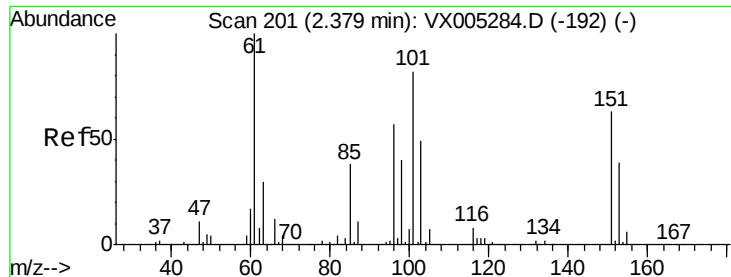
45 104.7 48.3 144.8



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: 0.26 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

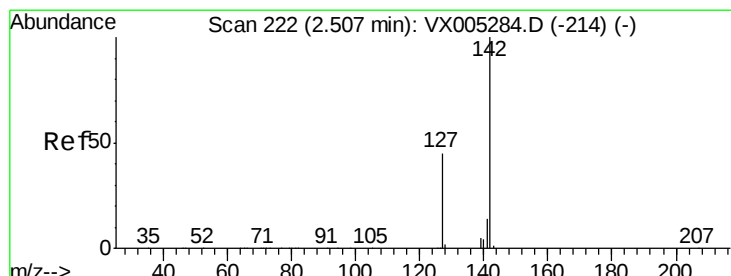
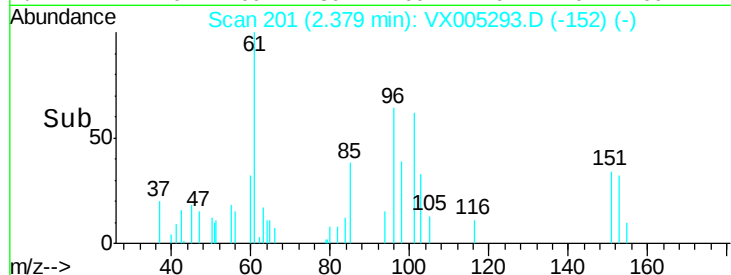
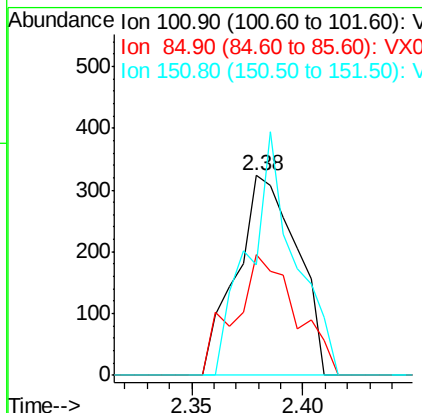
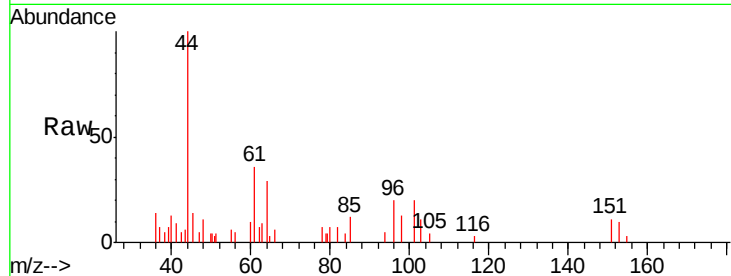
Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2018

Tgt Ion:	101	Resp:	611
Ion	Ratio	Lower	Upper
101	100		
85	61.9	34.2	51.4#
151	92.8	65.0	97.6



#10

Methyl Iodide

Concen: 2.77 ug/l

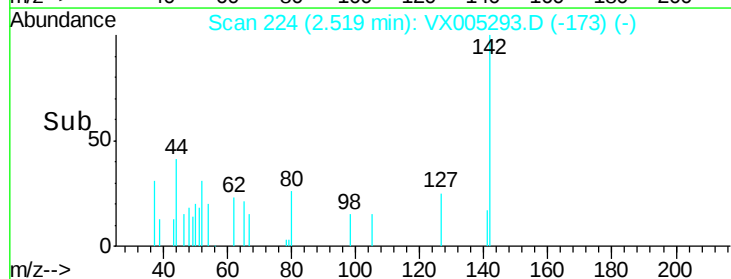
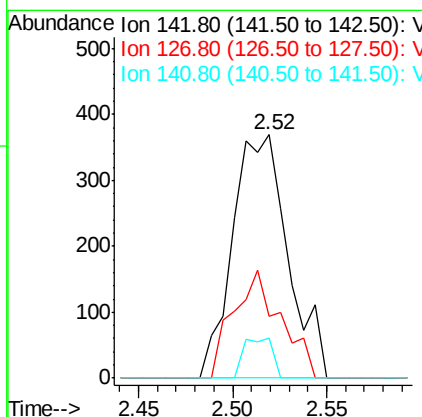
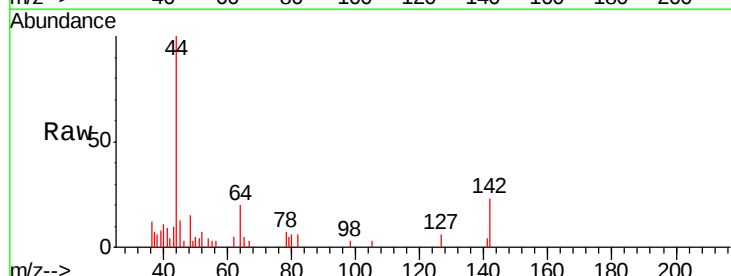
RT: 2.52 min Scan# 224

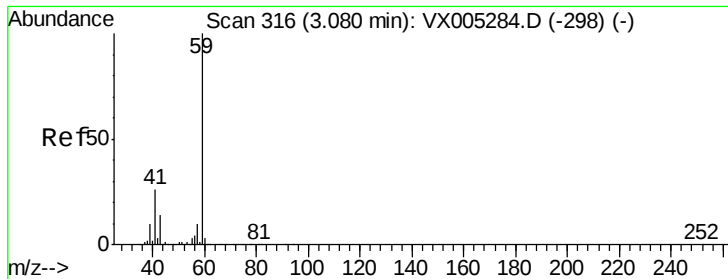
Delta R.T. 0.01 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Tgt Ion:	142	Resp:	751
Ion	Ratio	Lower	Upper
142	100		
127	37.9	33.8	50.6
141	8.5	11.4	17.0#

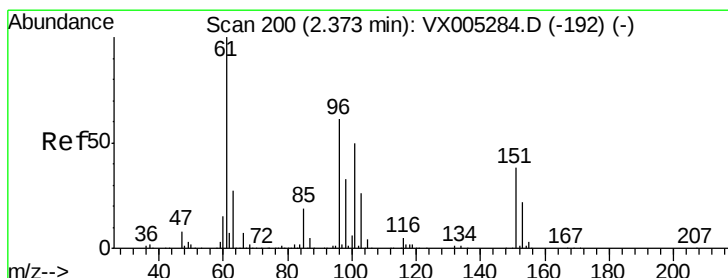
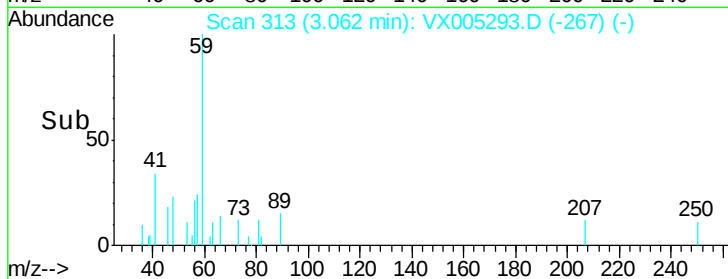
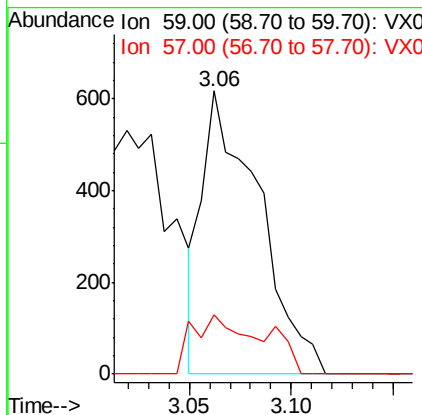
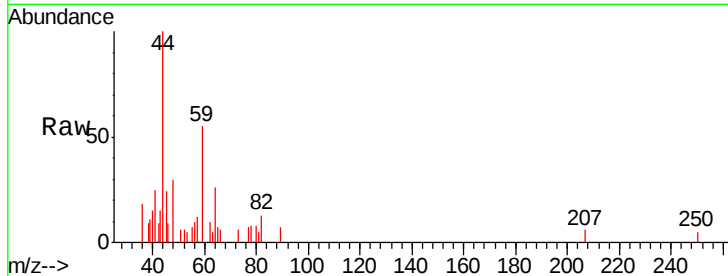




#11
Tert butyl alcohol
Concen: 1.44 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

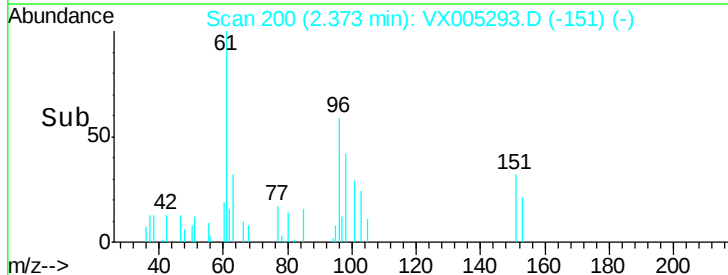
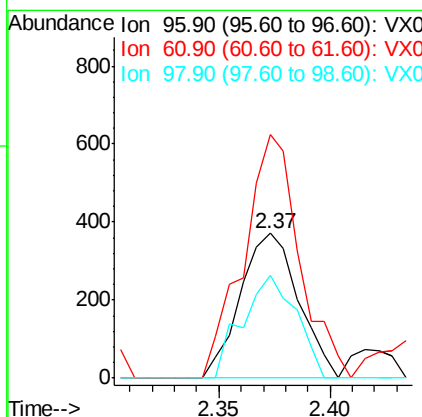
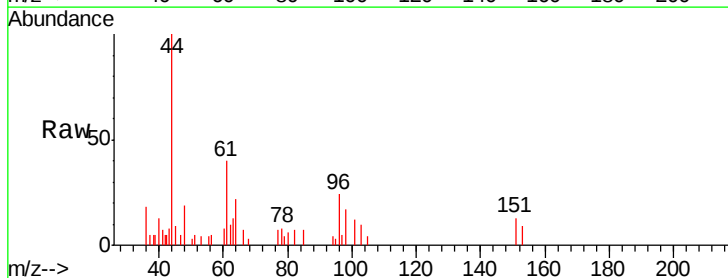
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2018

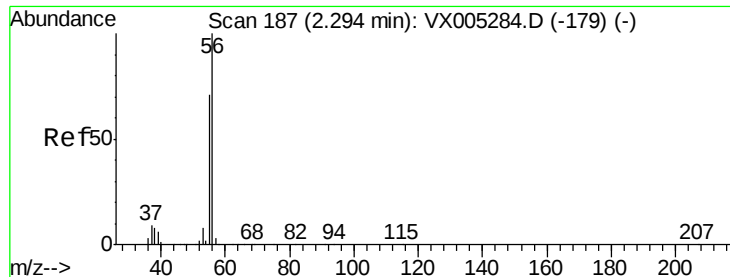
Tgt Ion: 59 Resp: 1185
Ion Ratio Lower Upper
59 100
57 25.9 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 0.29 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Tgt Ion: 96 Resp: 673
Ion Ratio Lower Upper
96 100
61 168.2 128.8 193.2
98 70.9 52.2 78.2





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

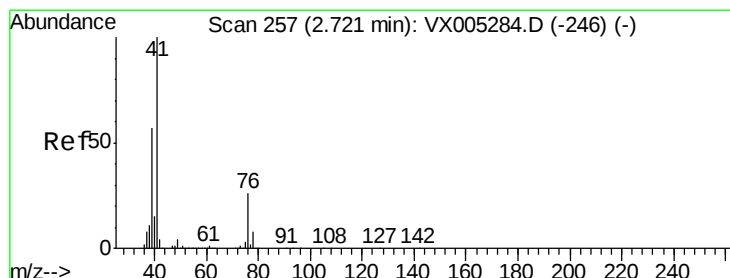
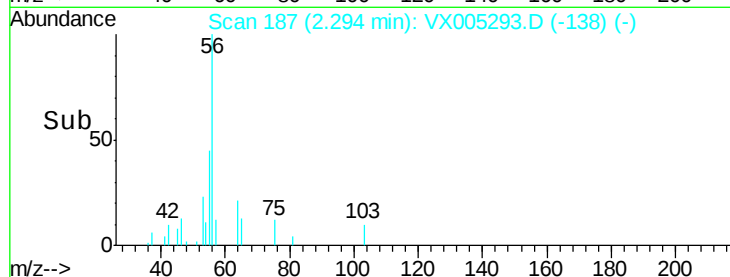
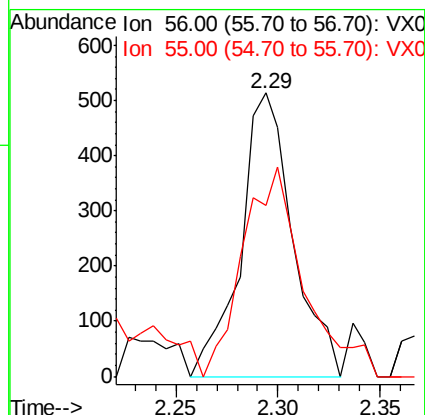
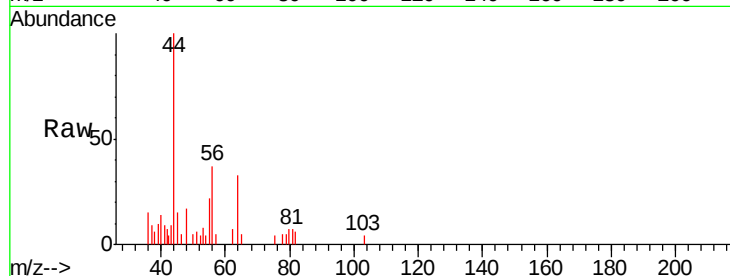
MDL-WATER-03-QT4-2018

Tgt Ion: 56 Resp: 915

Ion Ratio Lower Upper

56 100

55 86.1 54.7 82.1#



#14

Allyl chloride

Concen: 0.21 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

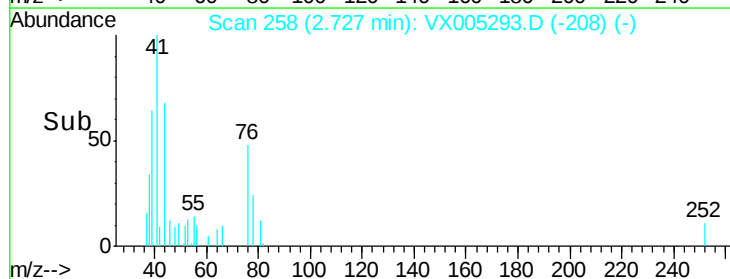
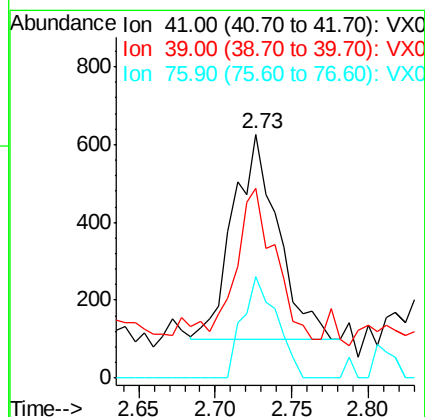
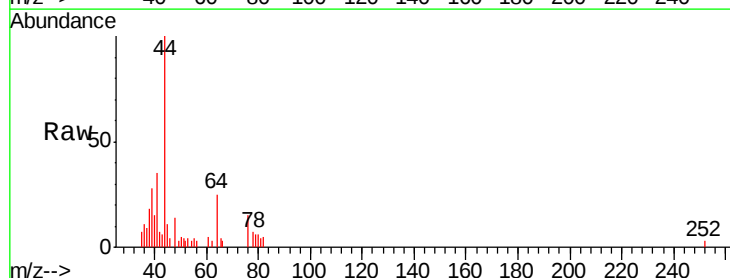
Tgt Ion: 41 Resp: 1078

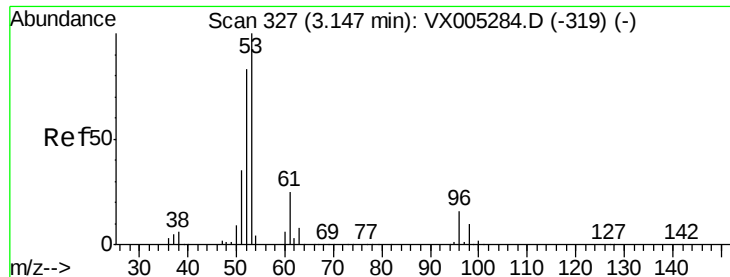
Ion Ratio Lower Upper

41 100

39 62.2 48.9 73.3

76 37.6 26.7 40.1

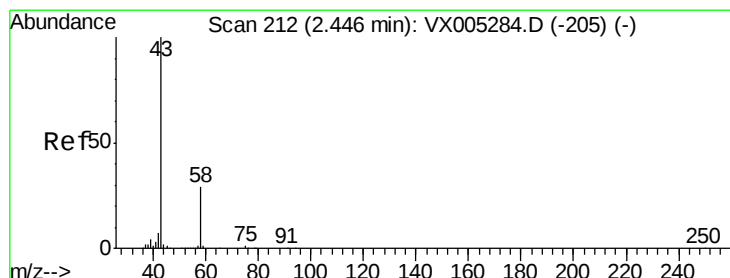
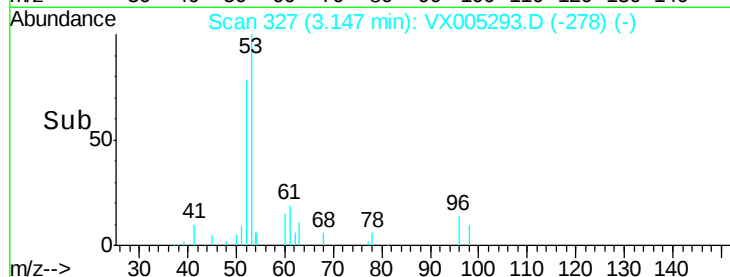
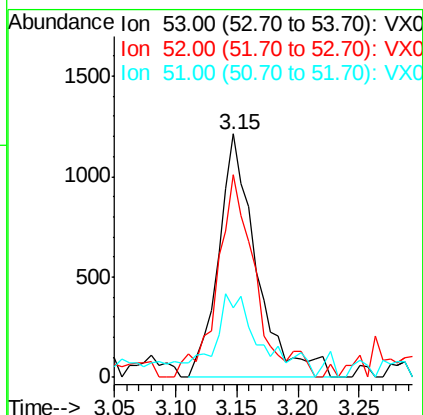
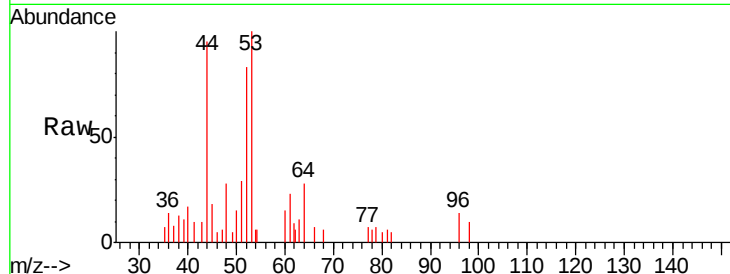




#15
Acrylonitrile
Concen: 1.39 ug/l
RT: 3.15 min Scan# 327
Delta R.T. -0.00 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

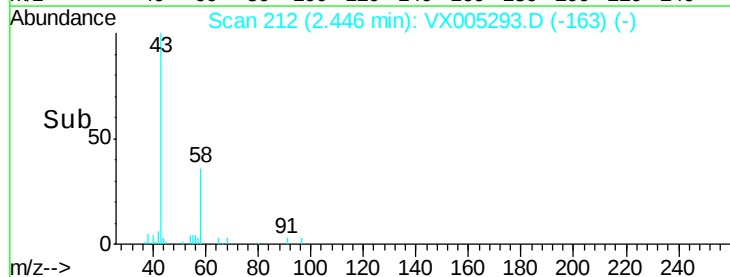
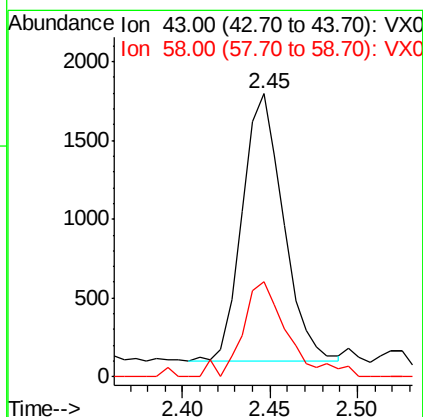
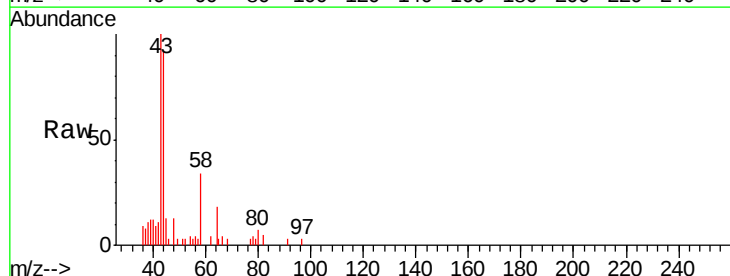
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2018

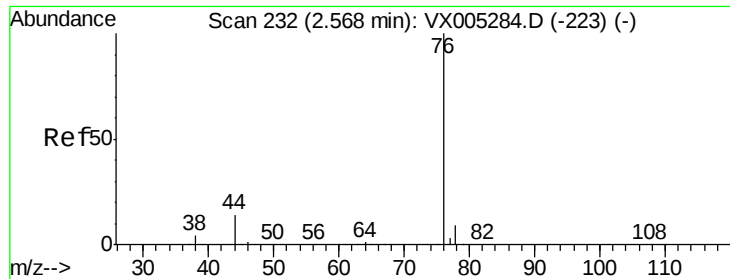
Tgt Ion: 53 Resp: 2594
Ion Ratio Lower Upper
53 100
52 79.3 65.2 97.8
51 41.3 28.2 42.2



#16
Acetone
Concen: 1.64 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Tgt Ion: 43 Resp: 2774
Ion Ratio Lower Upper
43 100
58 35.6 26.2 39.4





#17

Carbon Disulfide

Concen: 0.41 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

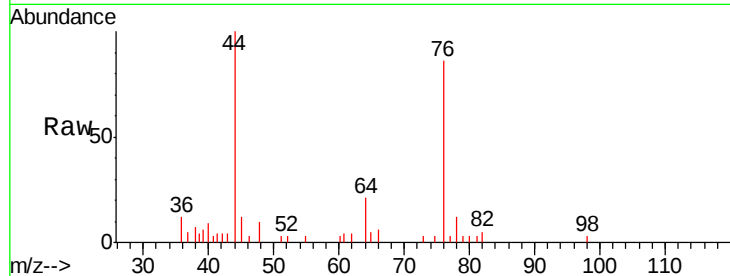
MDL-WATER-03-QT4-2018

Tgt Ion: 76 Resp: 2879

Ion Ratio Lower Upper

76 100

78 13.7 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

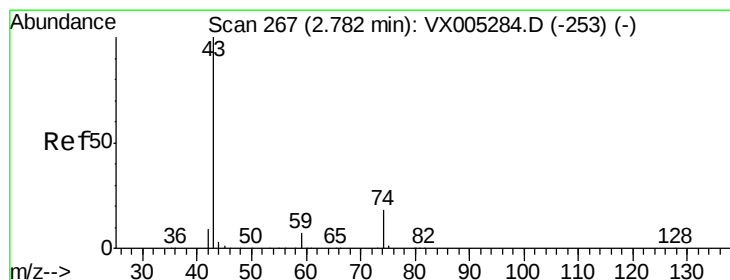
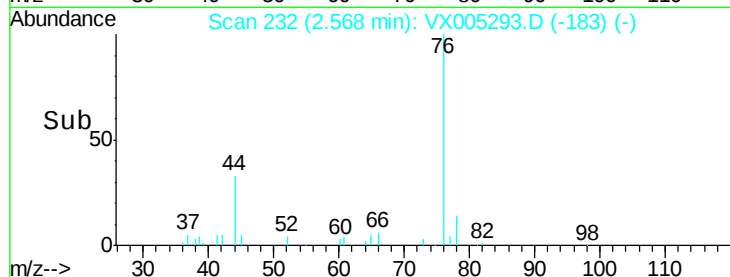
1500

1000

500

2.50 2.55 2.60 2.65

Time-->



#18

Methyl Acetate

Concen: 0.45 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX005293.D

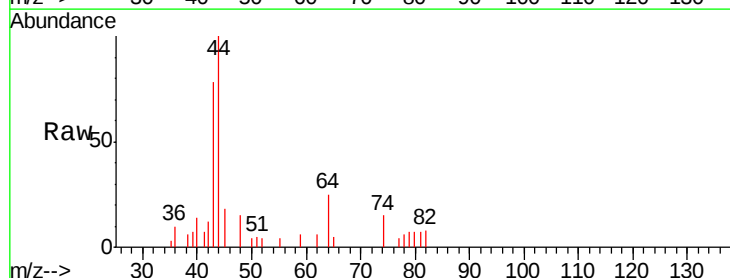
Acq: 12 Oct 2018 15:11

Tgt Ion: 43 Resp: 2156

Ion Ratio Lower Upper

43 100

74 26.5 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

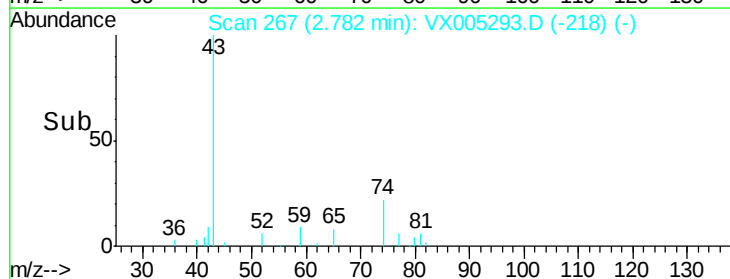
2.78

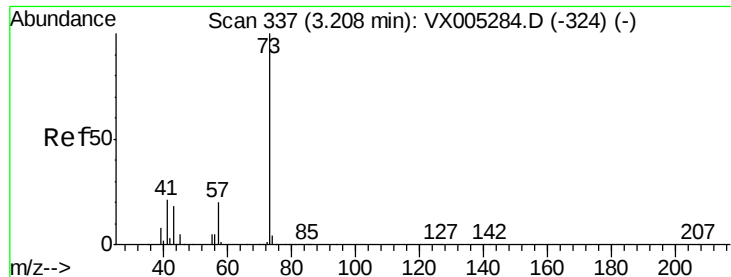
1000

500

2.65 2.70 2.75 2.80 2.85

Time-->





#19

Methyl tert-butyl Ether

Concen: 0.23 ug/l

RT: 3.20 min Scan# 335

Delta R.T. -0.01 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

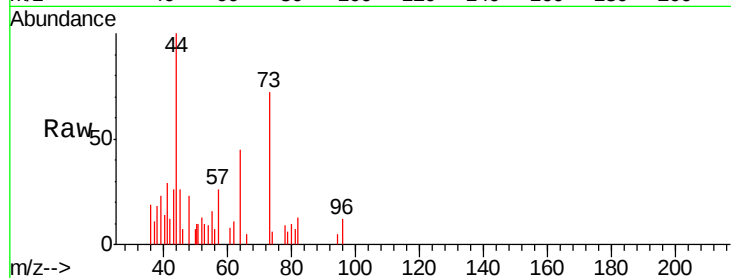
MDL-WATER-03-QT4-2018

Tgt Ion: 73 Resp: 1882

Ion Ratio Lower Upper

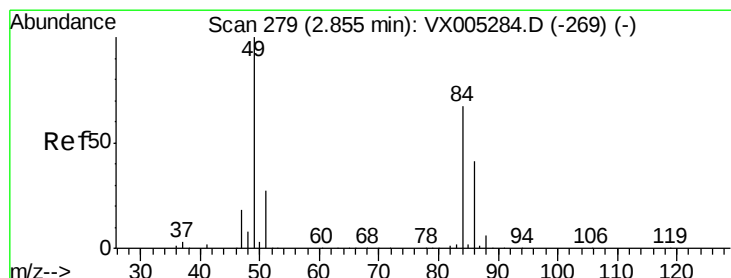
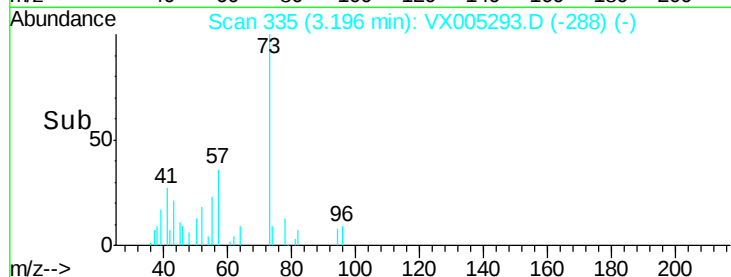
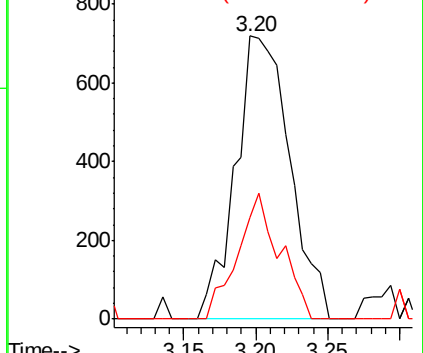
73 100

57 36.0 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: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Tgt Ion: 84 Resp: 1237

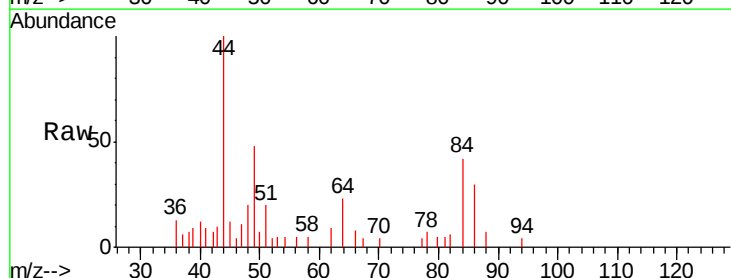
Ion Ratio Lower Upper

84 100

49 113.8 101.2 151.8

51 47.1 29.5 44.3#

86 71.2 52.3 78.5

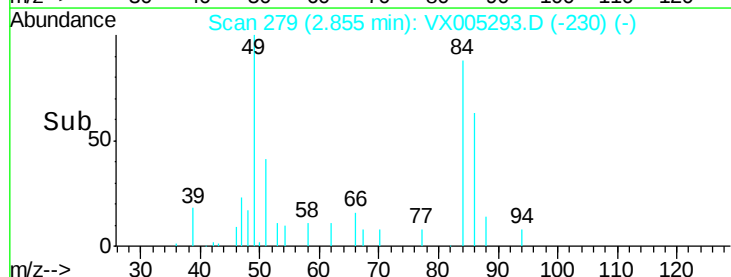
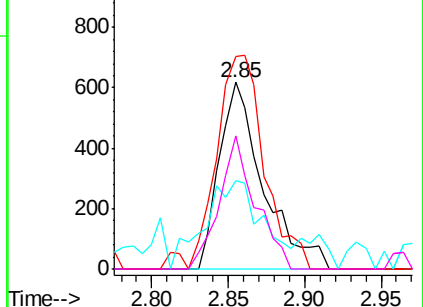


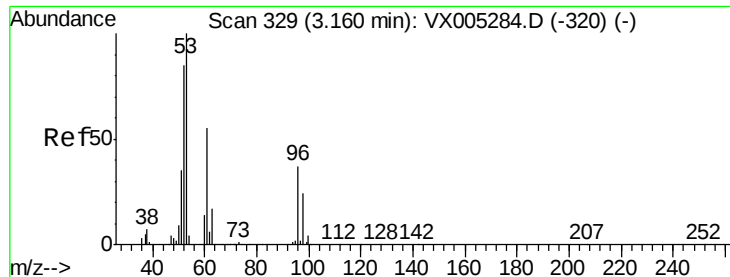
Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.30 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2018

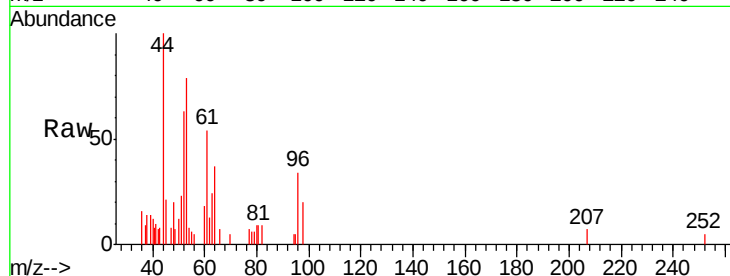
Tgt Ion: 96 Resp: 773

Ion Ratio Lower Upper

96 100

61 157.0 113.8 170.6

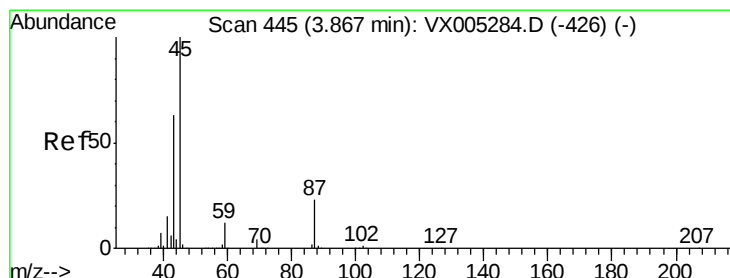
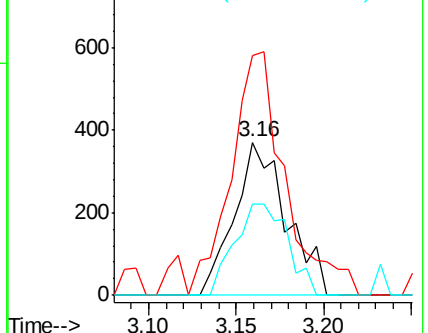
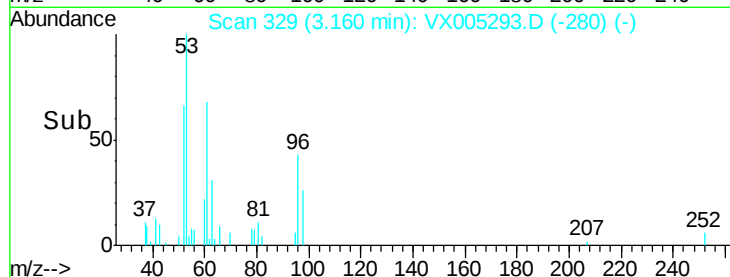
98 59.7 51.8 77.8



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: 0.20 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Tgt Ion: 45 Resp: 1740

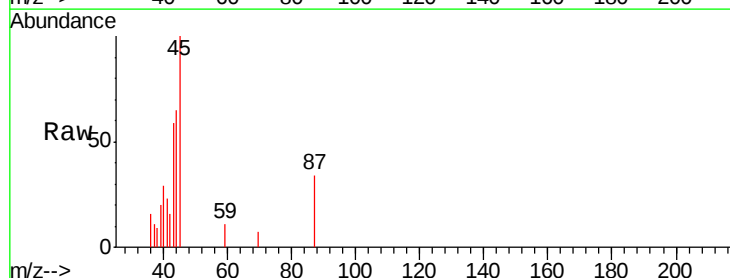
Ion Ratio Lower Upper

45 100

43 57.4 42.8 64.2

87 39.0 22.6 34.0#

59 12.4 9.6 14.4

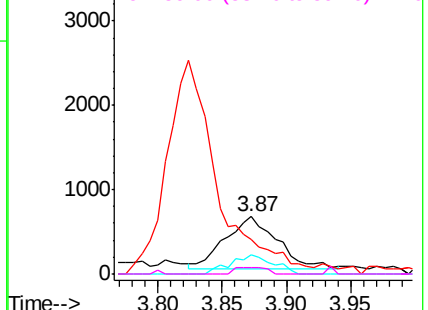
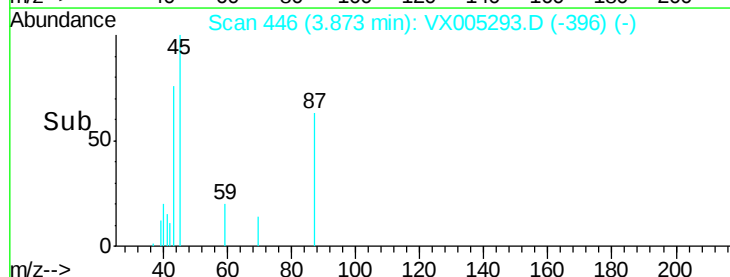


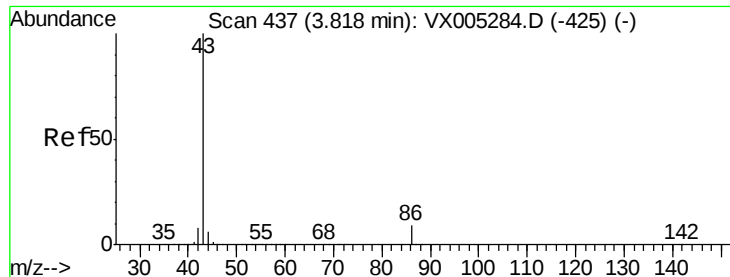
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 0.93 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

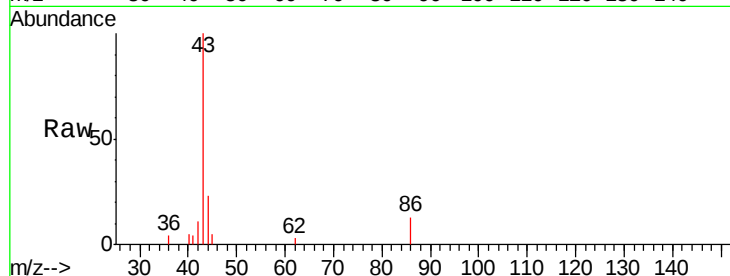
MDL-WATER-03-QT4-2018

Tgt Ion: 43 Resp: 6938

Ion Ratio Lower Upper

43 100

86 13.1 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

2500

2000

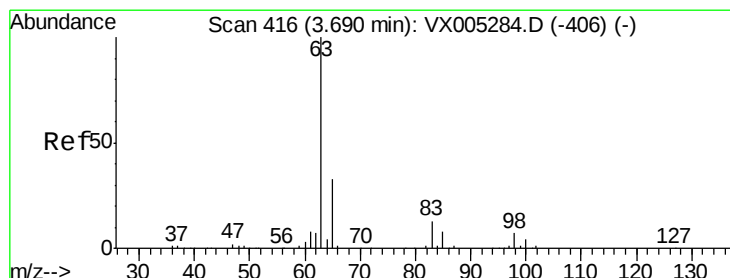
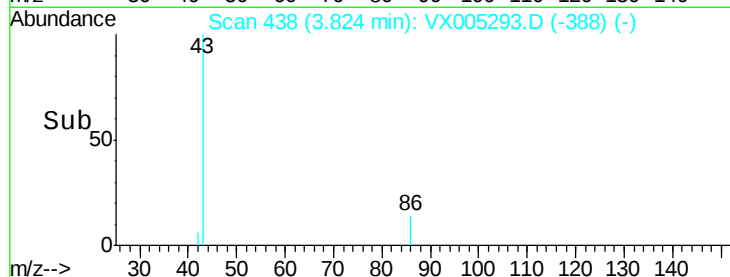
1500

1000

500

0

Time--> 3.70 3.80 3.90



#24

1,1-Dichloroethane

Concen: 0.23 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

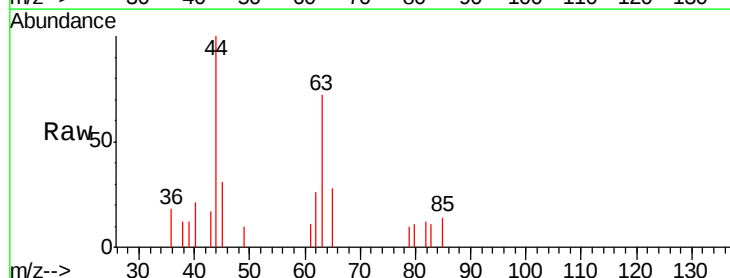
Tgt Ion: 63 Resp: 1128

Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.4#

100 0.0 2.4 7.1#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

500

400

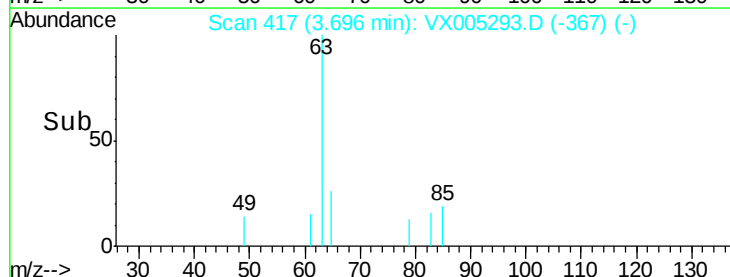
300

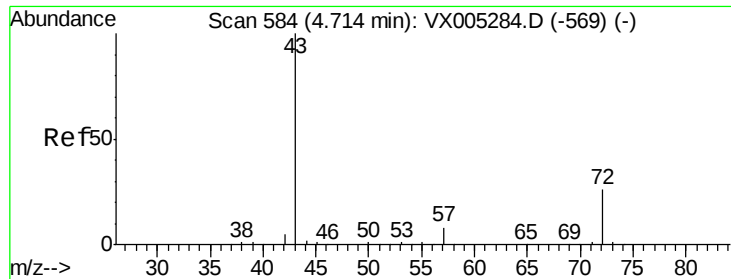
200

100

0

Time--> 3.65 3.70 3.75





#25

2-Butanone

Concen: 1.23 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.01 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

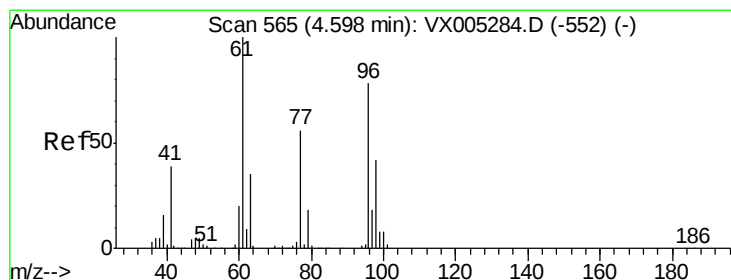
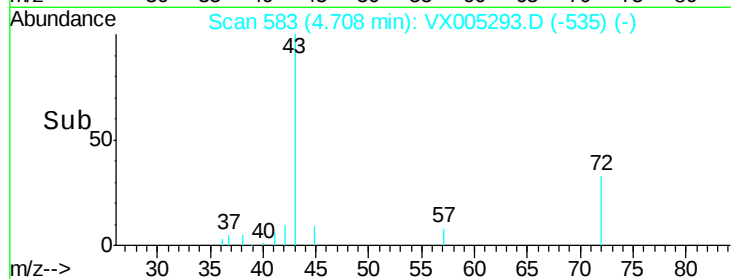
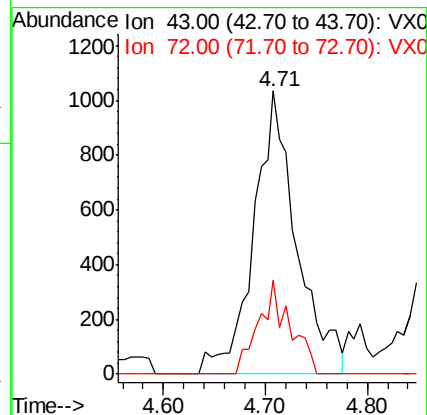
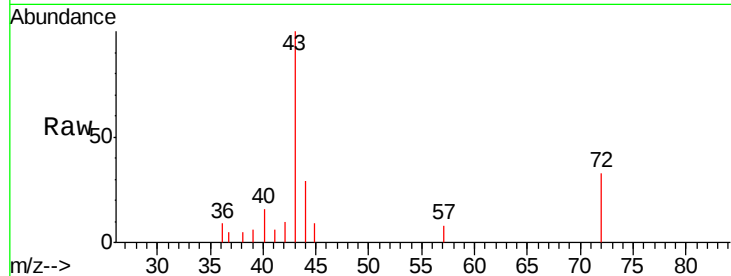
MDL-WATER-03-QT4-2018

Tgt Ion: 43 Resp: 3027

Ion Ratio Lower Upper

43 100

72 33.4 22.0 33.0#



#27

cis-1,2-Dichloroethene

Concen: 0.22 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

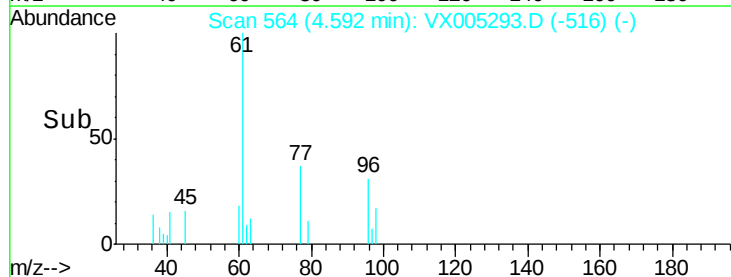
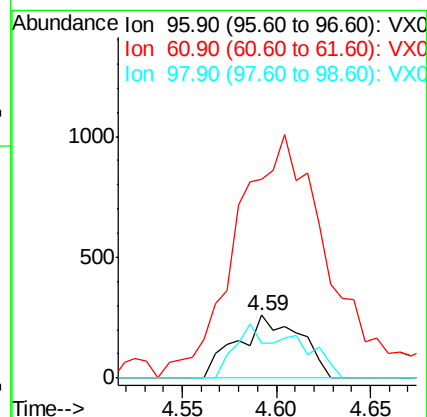
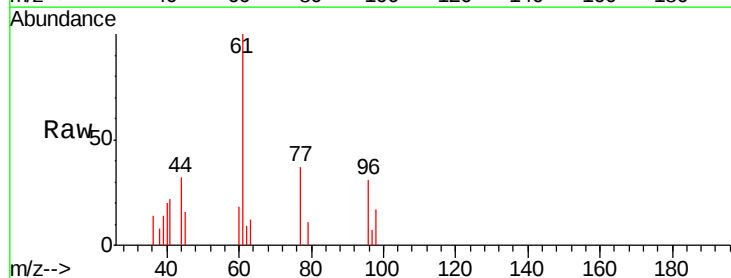
Tgt Ion: 96 Resp: 599

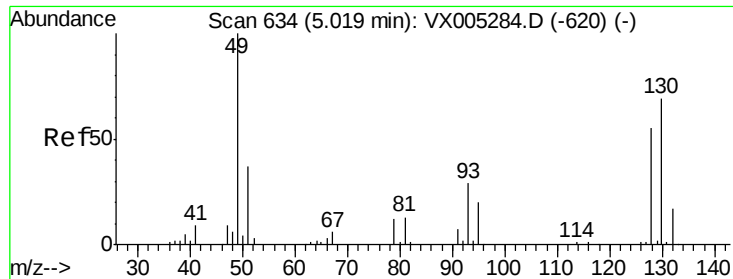
Ion Ratio Lower Upper

96 100

61 565.8 0.0 282.6#

98 45.9 0.0 130.2





#28

Bromochloromethane

Concen: 0.32 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2018

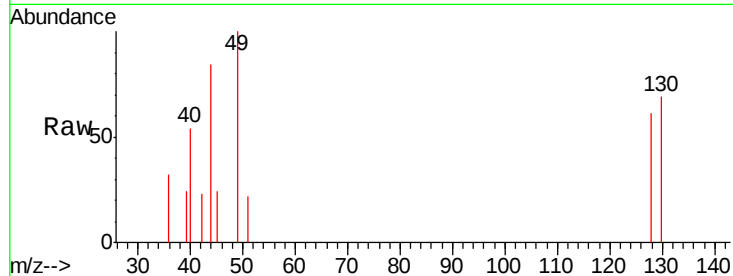
Tgt Ion: 49 Resp: 706

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

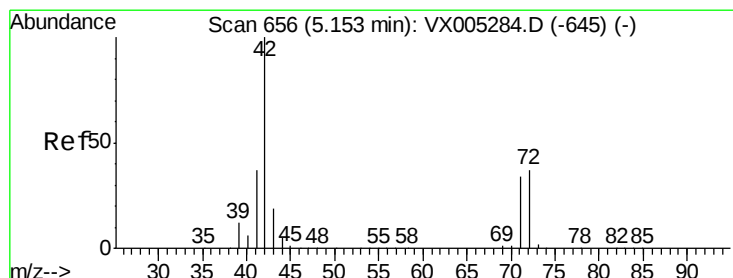
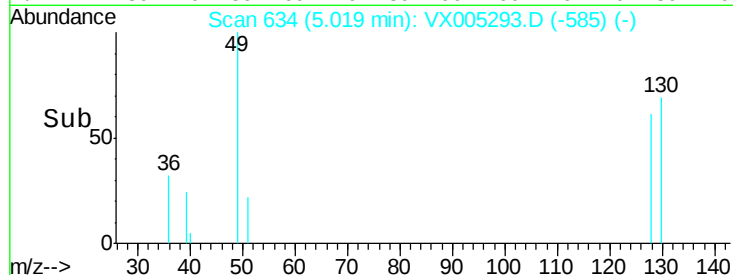
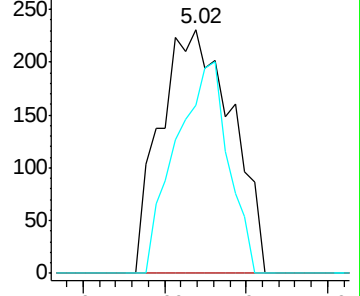
130 63.6 67.5 101.3#



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: 1.36 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

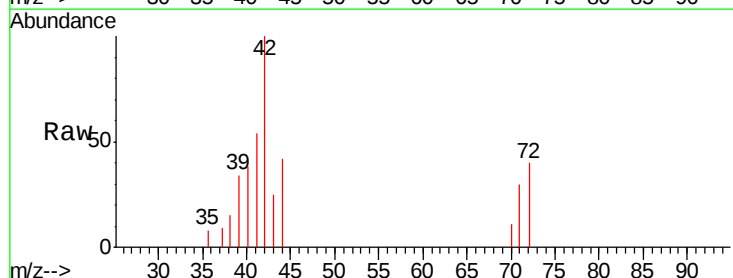
Tgt Ion: 42 Resp: 2139

Ion Ratio Lower Upper

42 100

72 38.5 37.4 56.0

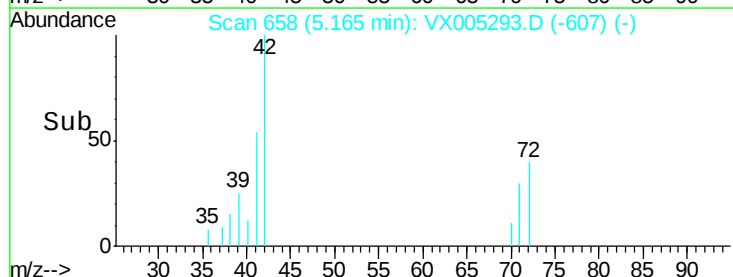
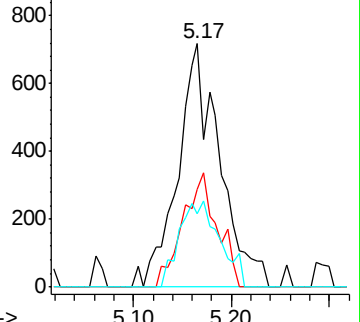
71 33.9 34.5 51.7#

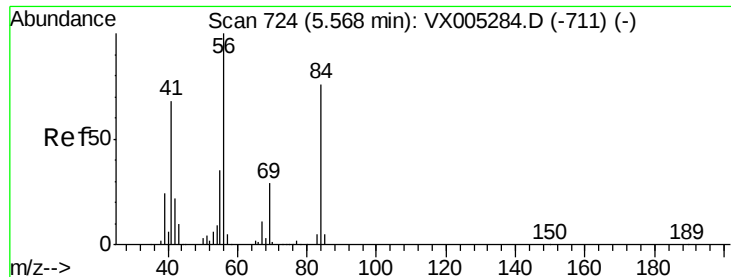


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

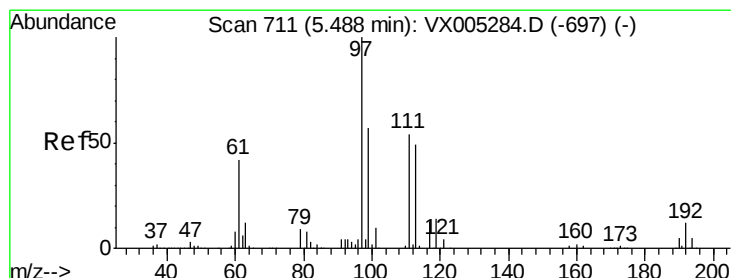
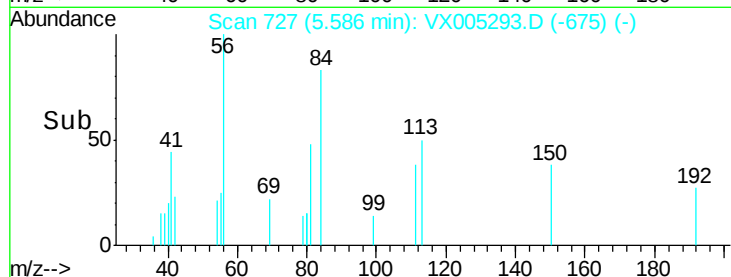
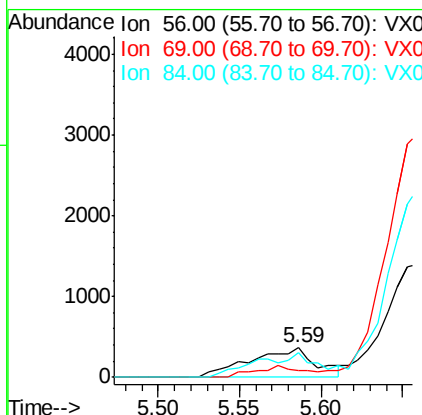
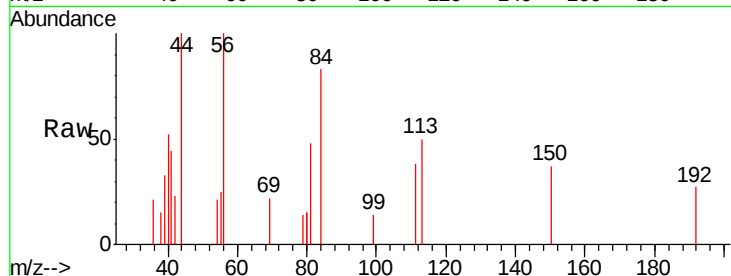




#31
Cyclohexane
Concen: 0.25 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.02 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

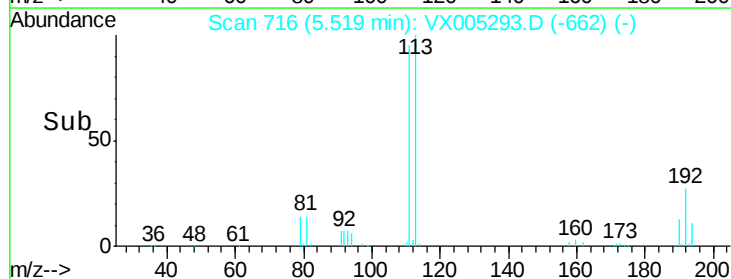
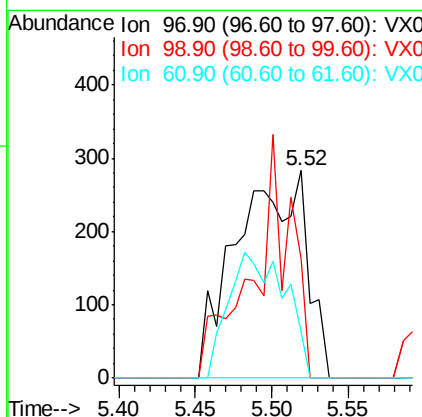
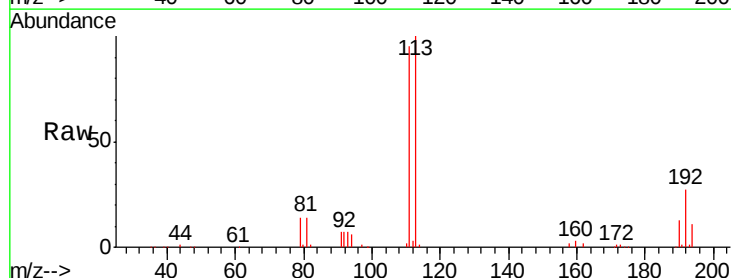
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2018

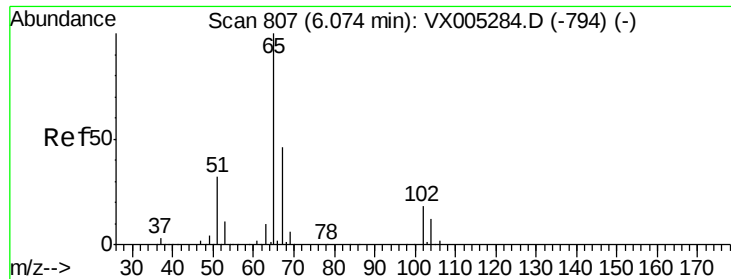
Tgt Ion: 56 Resp: 1018
Ion Ratio Lower Upper
56 100
69 22.5 25.4 38.2#
84 82.7 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 0.23 ug/l
RT: 5.52 min Scan# 716
Delta R.T. 0.03 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Tgt Ion: 97 Resp: 887
Ion Ratio Lower Upper
97 100
99 0.0 52.0 78.0#
61 0.0 34.9 52.3#





#33

1,2-Dichloroethane-d4

Concen: 58.08 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

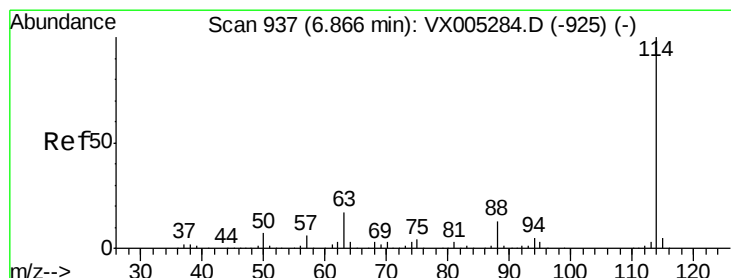
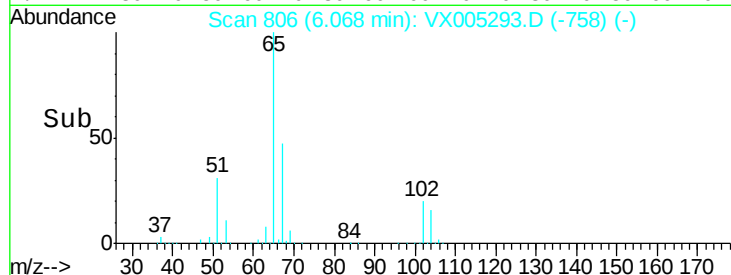
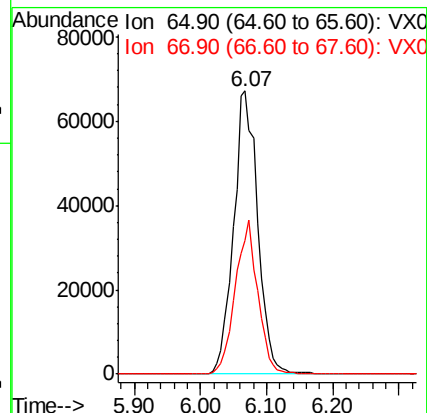
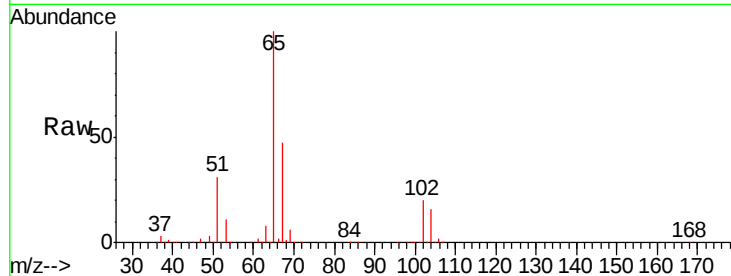
MDL-WATER-03-QT4-2018

Tgt Ion: 65 Resp: 169502

Ion Ratio Lower Upper

65 100

67 50.7 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 937

Delta R.T. -0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

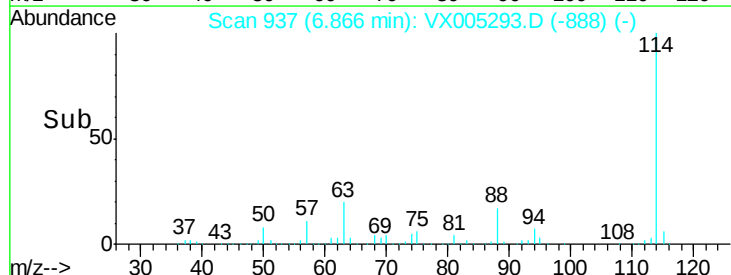
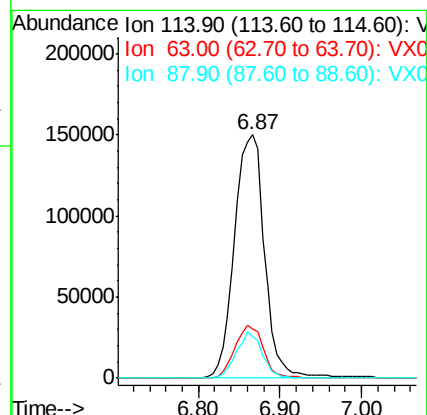
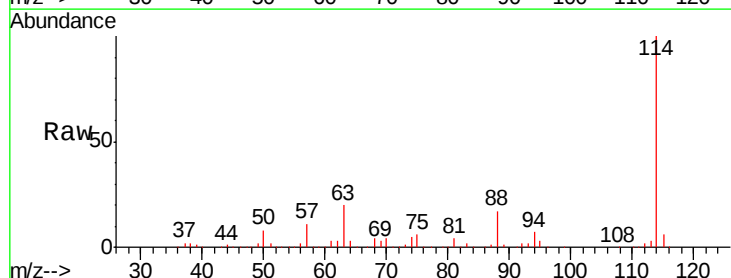
Tgt Ion: 114 Resp: 381570

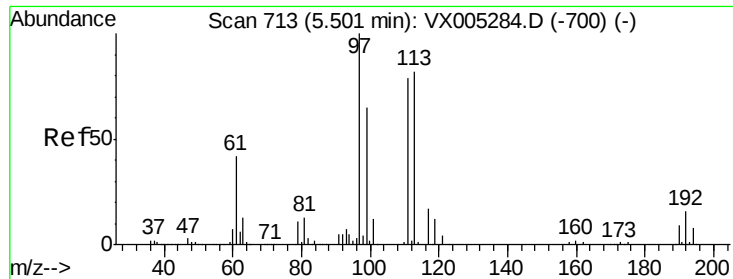
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.0

88 17.1 0.0 30.4

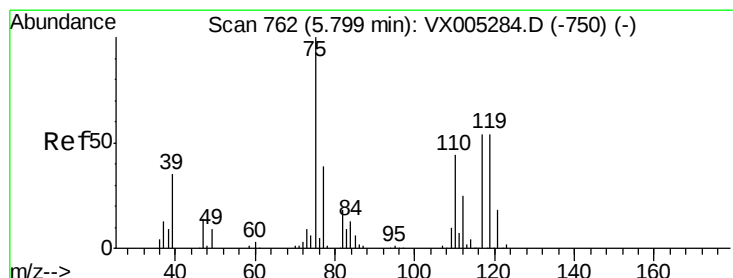
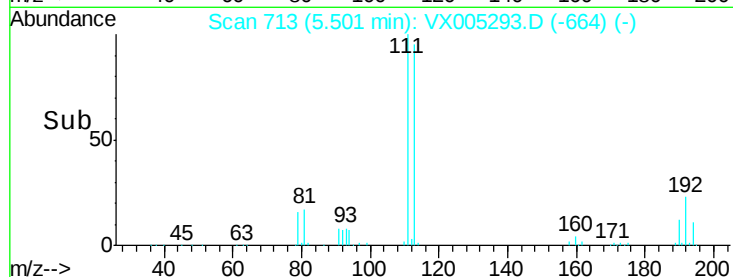
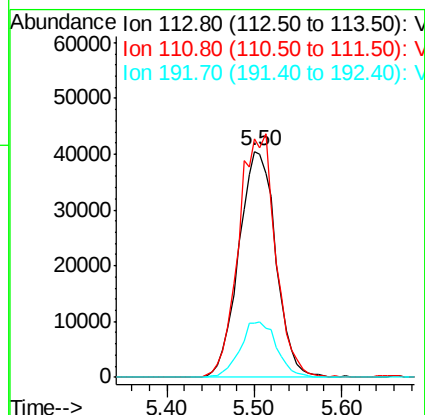
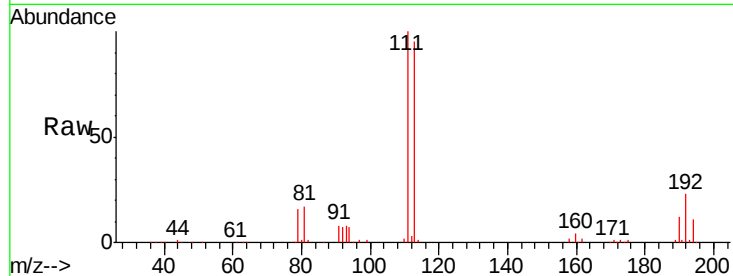




#35
 Dibromofluoromethane
 Concen: 47.28 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005293.D
 Acq: 12 Oct 2018 15:11

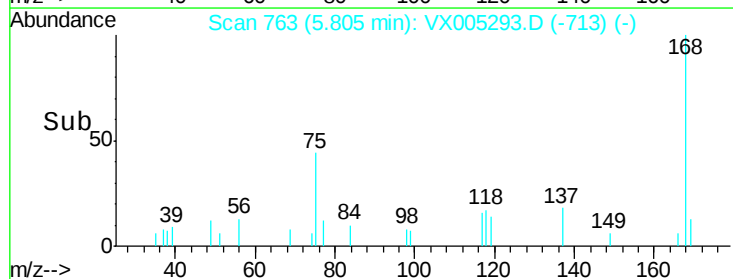
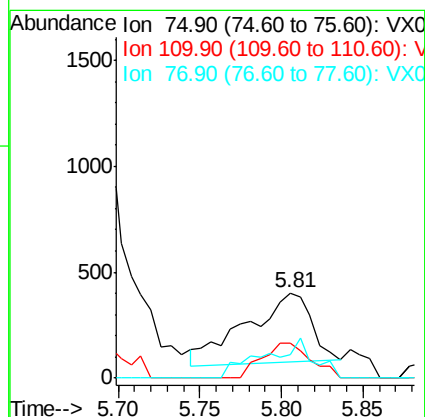
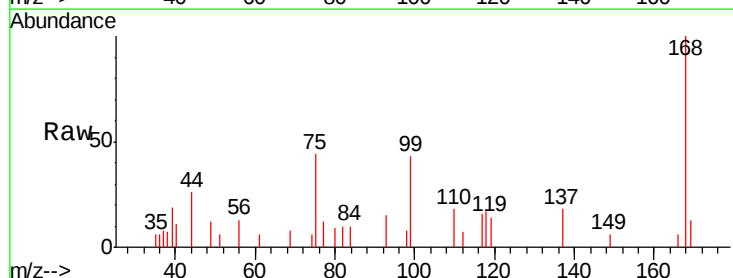
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2018

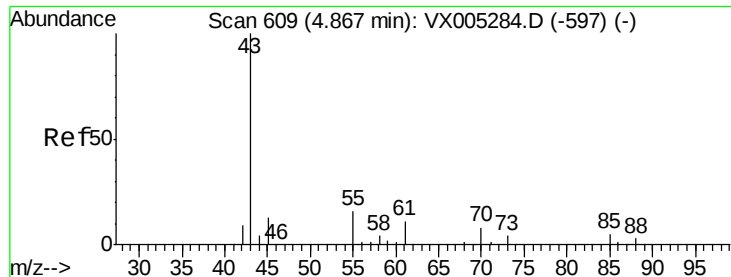
Tgt Ion:113 Resp: 119494
 Ion Ratio Lower Upper
 113 100
 111 106.9 82.4 123.6
 192 24.1 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 0.24 ug/l
 RT: 5.81 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VX005293.D
 Acq: 12 Oct 2018 15:11

Tgt Ion: 75 Resp: 903
 Ion Ratio Lower Upper
 75 100
 110 37.4 18.0 54.0
 77 44.1 24.6 36.8#





#37

Ethyl Acetate

Concen: 0.21 ug/l

RT: 4.87 min Scan# 609

Delta R.T. -0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2018

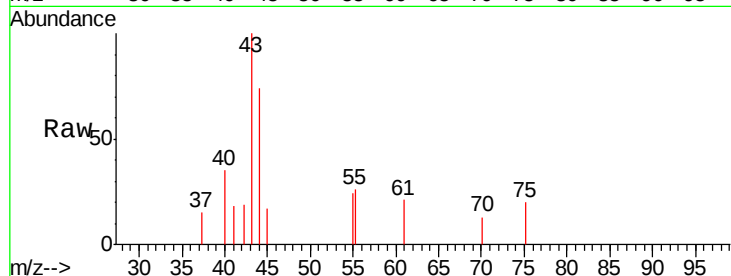
Tgt Ion: 43 Resp: 997

Ion Ratio Lower Upper

43 100

61 16.2 11.5 17.3

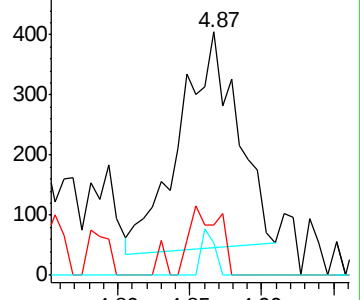
70 4.8 9.0 13.6#



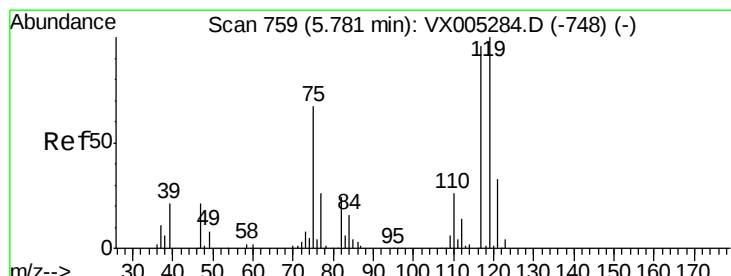
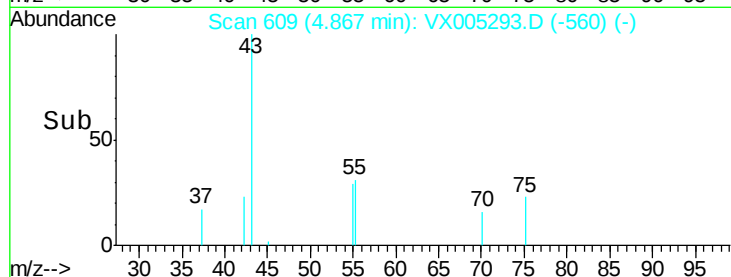
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



Time-->



#38

Carbon Tetrachloride

Concen: 0.37 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

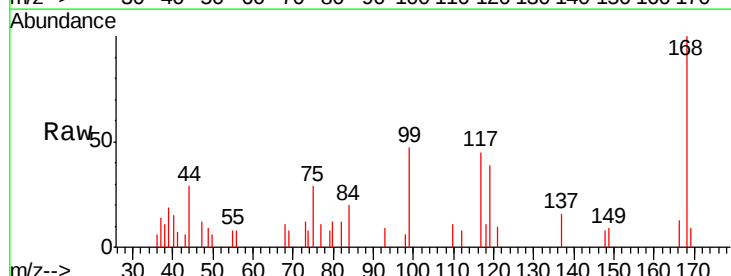
Tgt Ion: 117 Resp: 1384

Ion Ratio Lower Upper

117 100

119 85.8 78.8 118.2

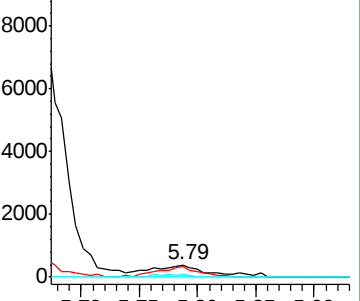
121 21.2 24.9 37.3#



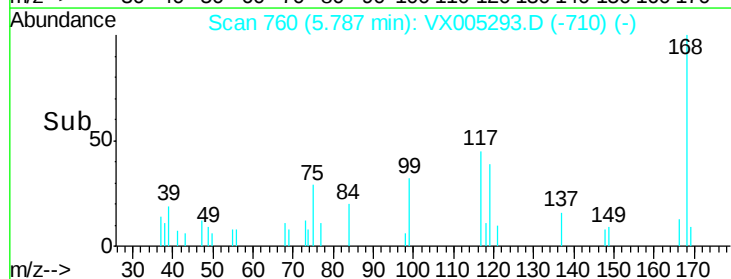
Abundance Ion 116.80 (116.50 to 117.50): V

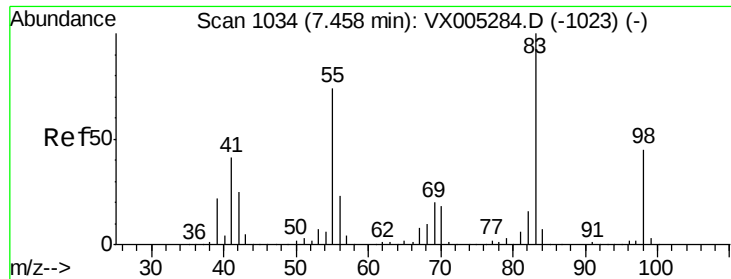
Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



Time-->

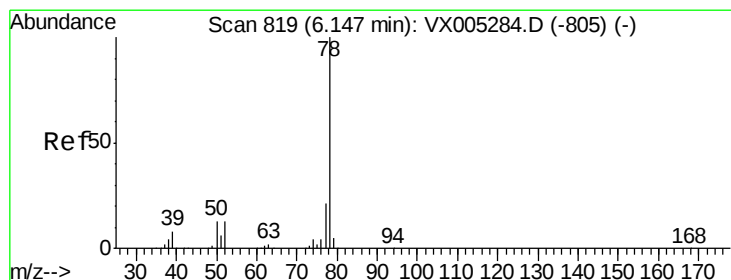
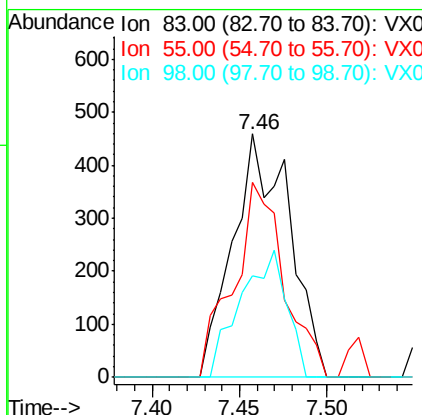
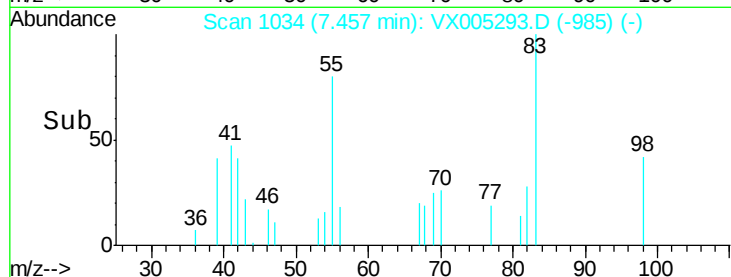
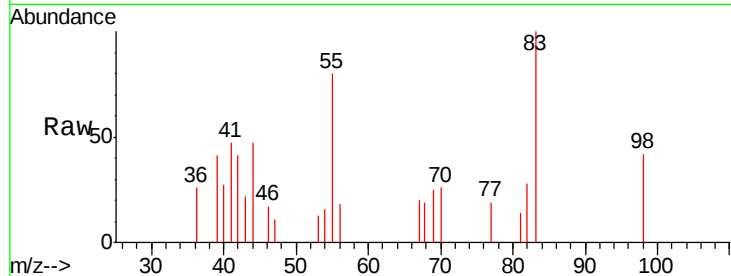




#39
Methylcyclohexane
Concen: 0.26 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

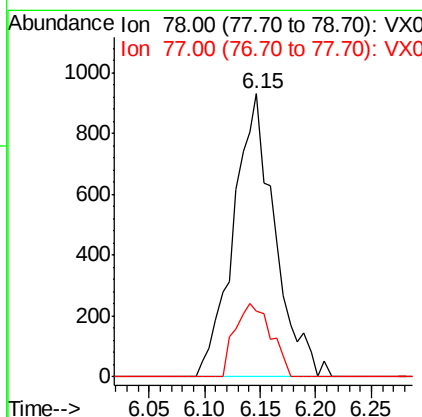
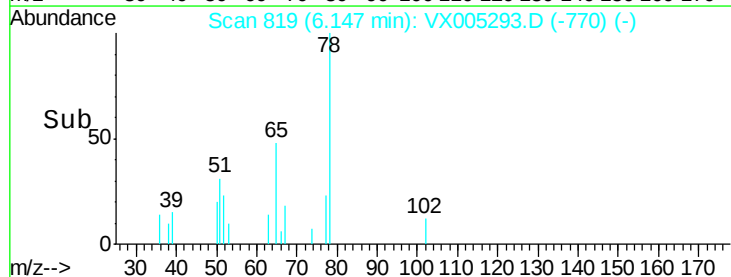
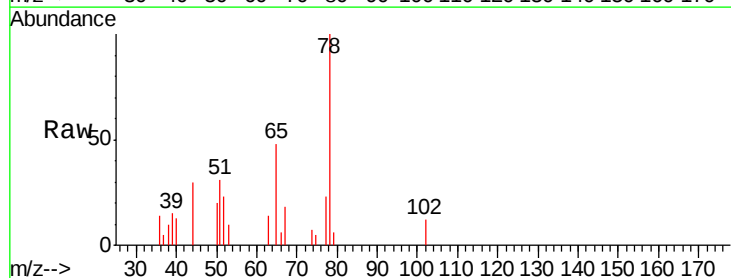
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2018

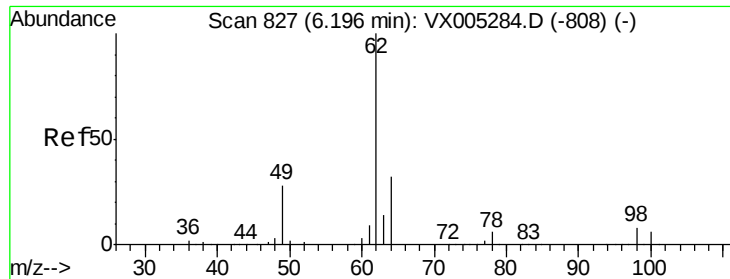
Tgt Ion: 83 Resp: 1027
Ion Ratio Lower Upper
83 100
55 80.0 61.0 91.4
98 41.8 39.6 59.4



#40
Benzene
Concen: 0.22 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Tgt Ion: 78 Resp: 2399
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.4

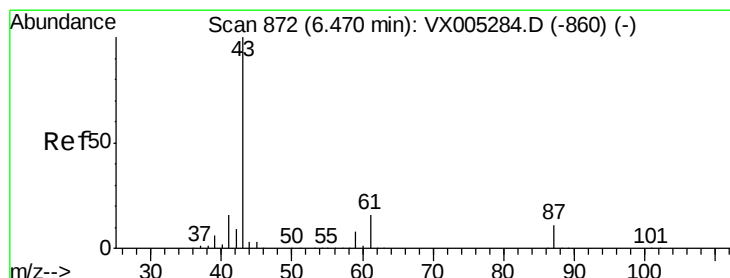
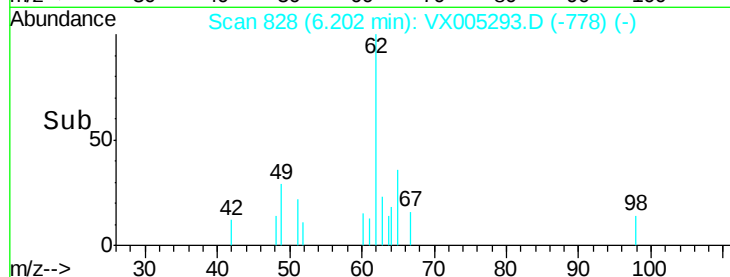
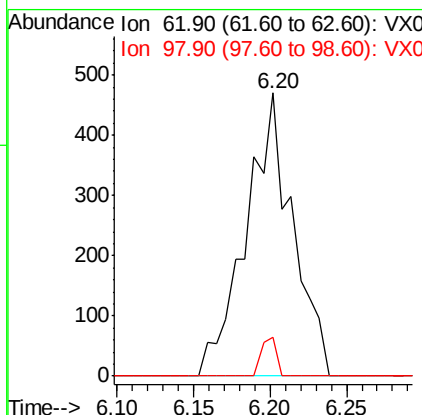
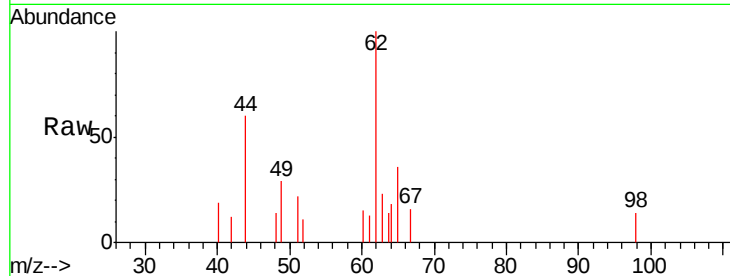




#42
 1,2-Dichloroethane
 Concen: 0.25 ug/l
 RT: 6.20 min Scan# 828
 Delta R.T. 0.01 min
 Lab File: VX005293.D
 Acq: 12 Oct 2018 15:11

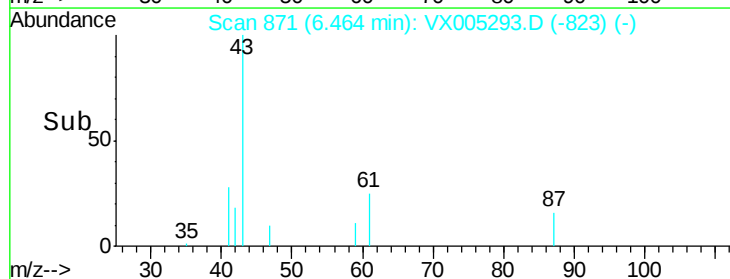
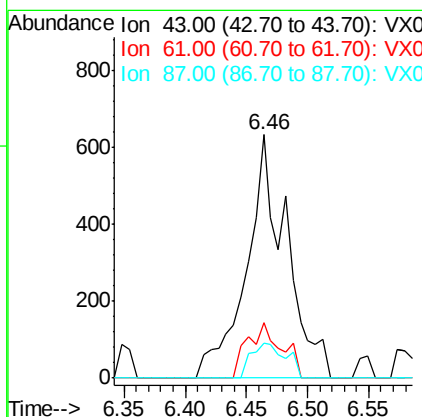
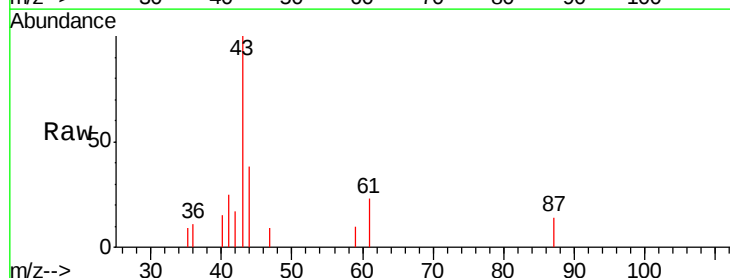
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2018

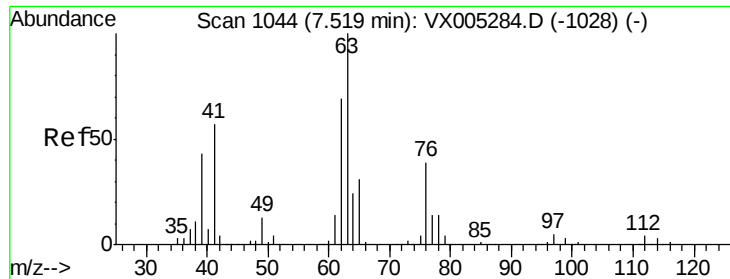
Tgt Ion: 62 Resp: 998
 Ion Ratio Lower Upper
 62 100
 98 4.4 0.0 20.6



#43
 Isopropyl Acetate
 Concen: 0.23 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.01 min
 Lab File: VX005293.D
 Acq: 12 Oct 2018 15:11

Tgt Ion: 43 Resp: 1439
 Ion Ratio Lower Upper
 43 100
 61 19.2 17.0 25.4
 87 12.5 11.4 17.2

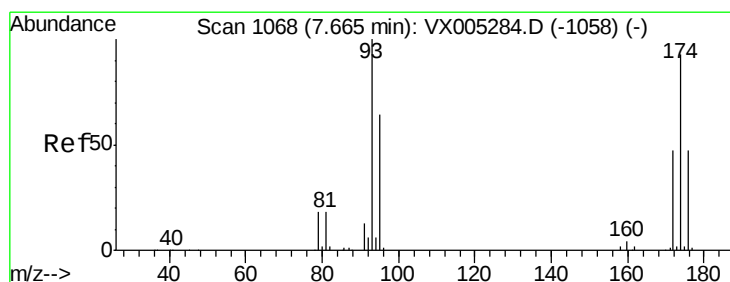
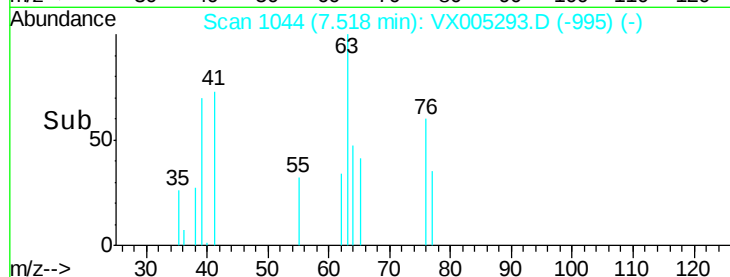
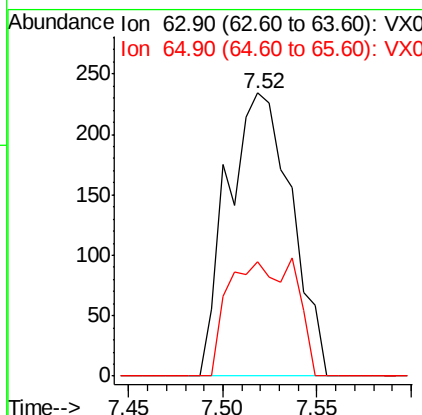
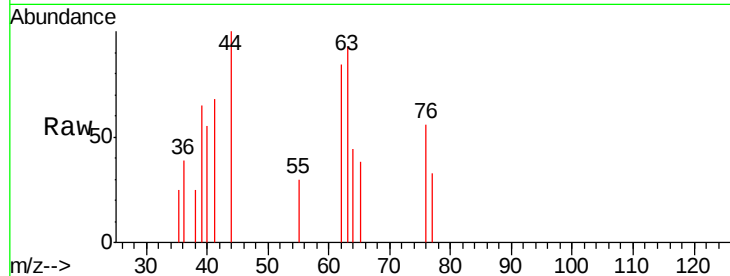




#45
 1,2-Dichloropropane
 Concen: 0.20 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005293.D
 Acq: 12 Oct 2018 15:11

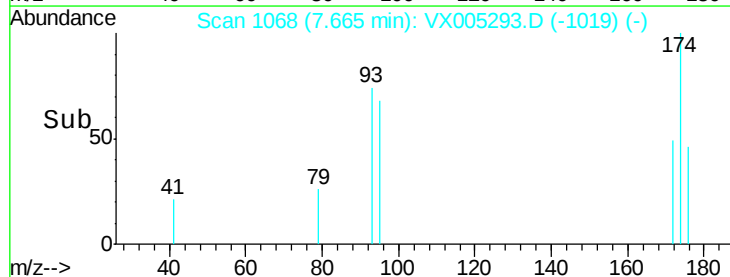
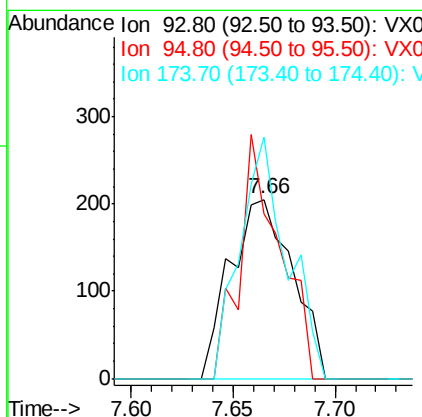
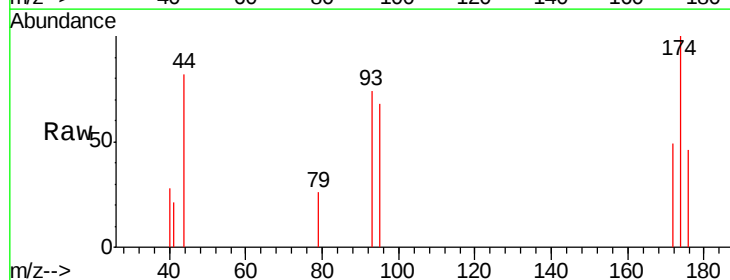
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2018

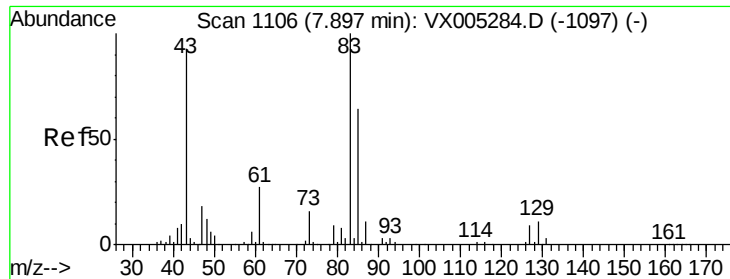
Tgt Ion: 63 Resp: 549
 Ion Ratio Lower Upper
 63 100
 65 40.6 24.3 36.5#



#46
 Dibromomethane
 Concen: 0.24 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX005293.D
 Acq: 12 Oct 2018 15:11

Tgt Ion: 93 Resp: 438
 Ion Ratio Lower Upper
 93 100
 95 87.0 65.5 98.3
 174 101.8 94.2 141.4





#47

Bromodichloromethane

Concen: 0.21 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2018

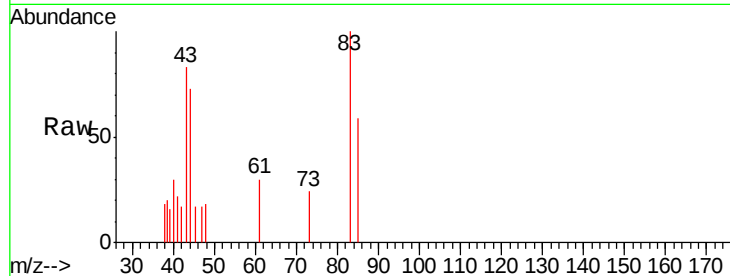
Tgt Ion: 83 Resp: 707

Ion Ratio Lower Upper

83 100

85 59.1 50.9 76.3

127 0.0 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

7.90

400

300

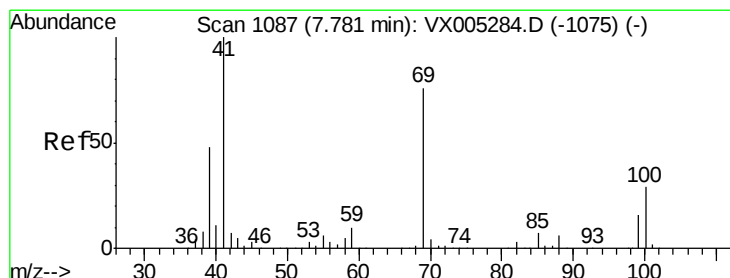
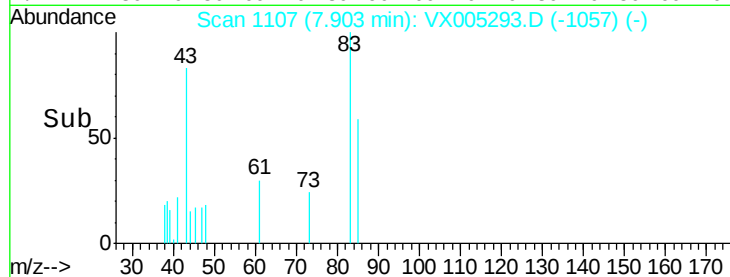
200

100

0

7.85 7.90 7.95

Time-->



#48

Methyl methacrylate

Concen: 0.20 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

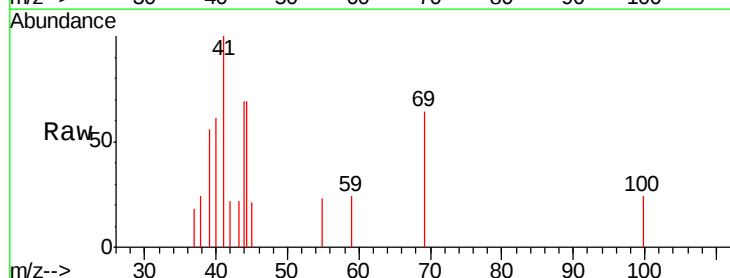
Tgt Ion: 41 Resp: 670

Ion Ratio Lower Upper

41 100

69 64.2 70.2 105.4#

39 59.9 42.7 64.1



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

7.78

400

300

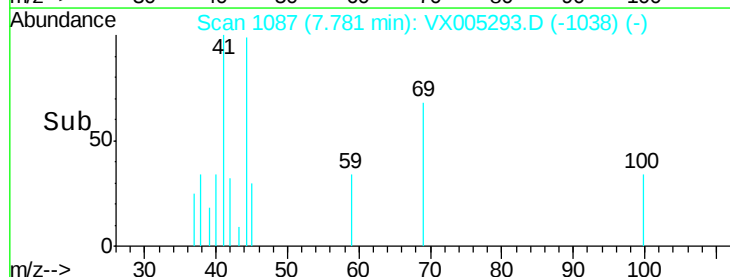
200

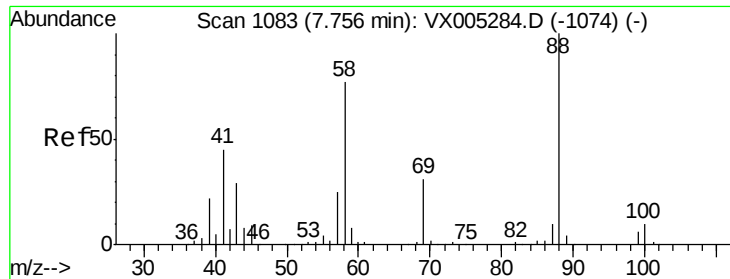
100

0

7.75 7.80

Time-->

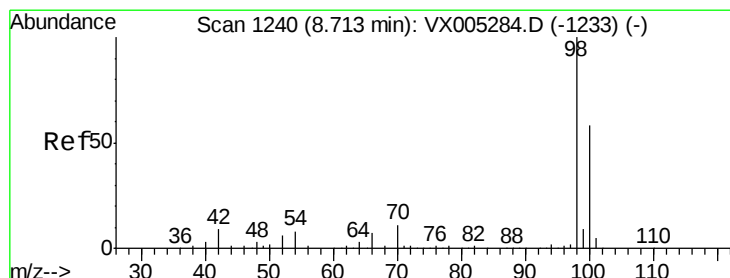
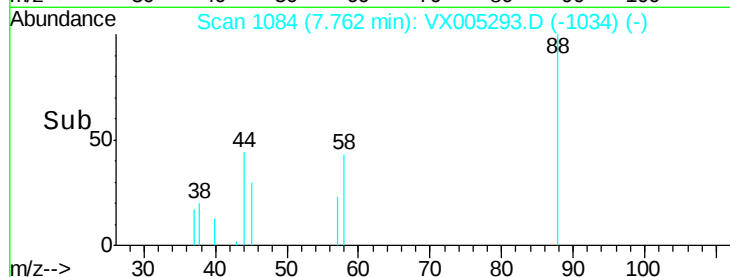
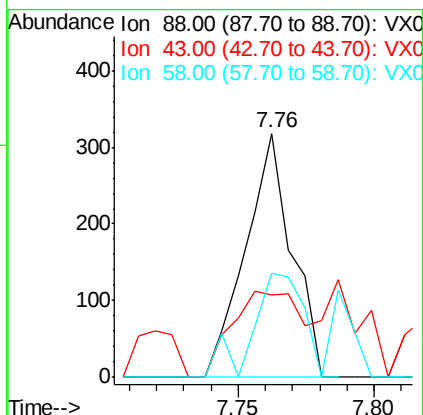
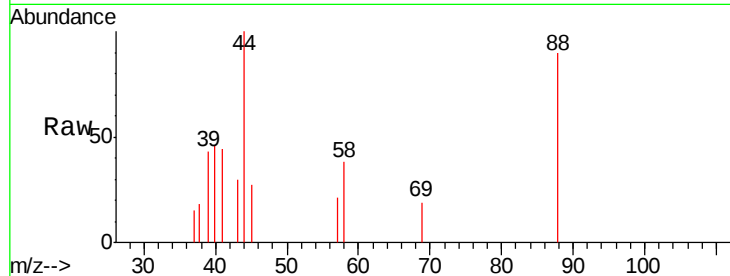




#49
 1,4-Dioxane
 Concen: 4.95 ug/l
 RT: 7.76 min Scan# 1084
 Delta R.T. 0.01 min
 Lab File: VX005293.D
 Acq: 12 Oct 2018 15:11

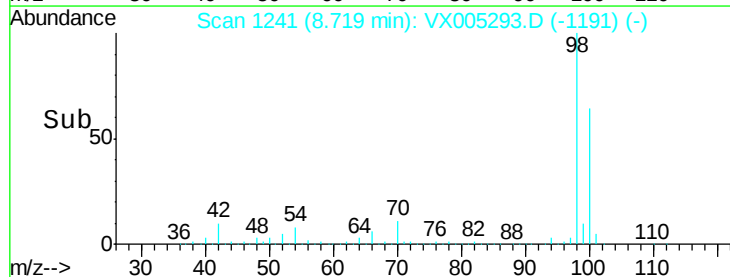
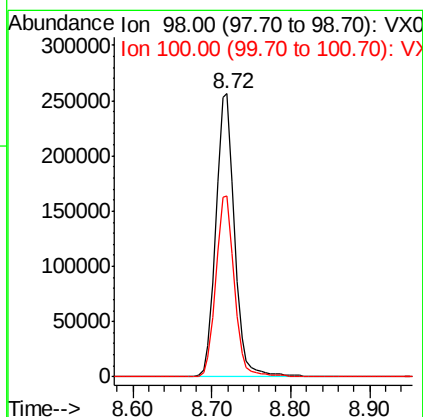
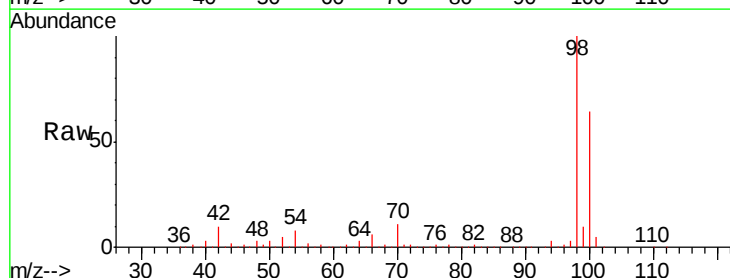
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2018

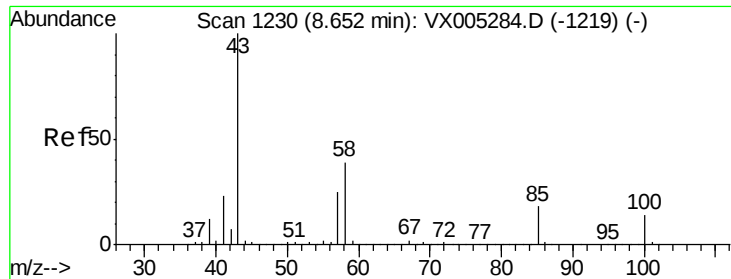
Tgt Ion: 88 Resp: 375
 Ion Ratio Lower Upper
 88 100
 43 51.5 24.7 37.1#
 58 46.9 55.3 82.9#



#50
 Toluene-d8
 Concen: 49.01 ug/l
 RT: 8.72 min Scan# 1241
 Delta R.T. 0.01 min
 Lab File: VX005293.D
 Acq: 12 Oct 2018 15:11

Tgt Ion: 98 Resp: 425239
 Ion Ratio Lower Upper
 98 100
 100 63.7 52.9 79.3

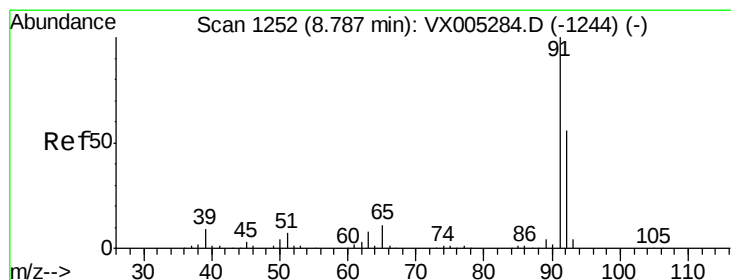
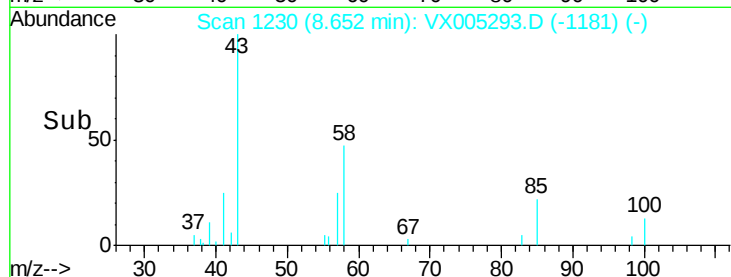
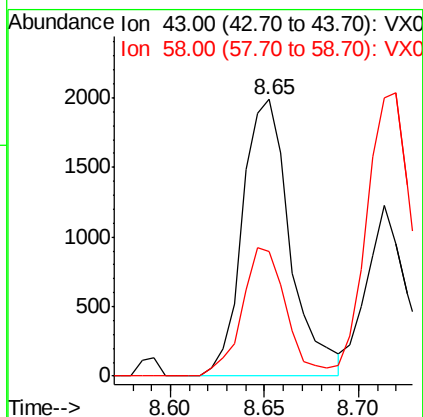
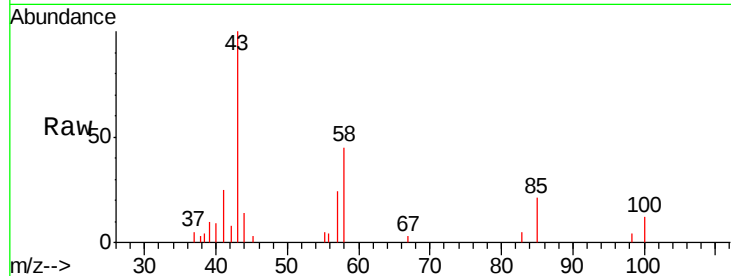




#51
 4-Methyl-2-Pentanone
 Concen: 0.80 ug/l
 RT: 8.65 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VX005293.D
 Acq: 12 Oct 2018 15:11

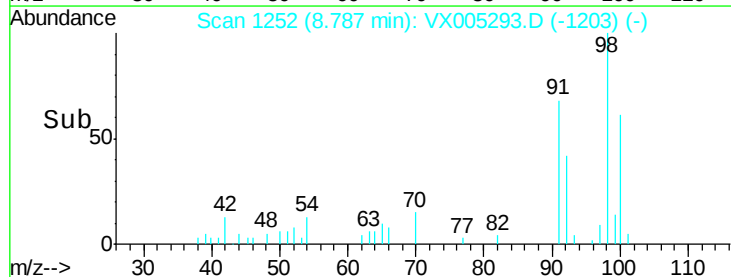
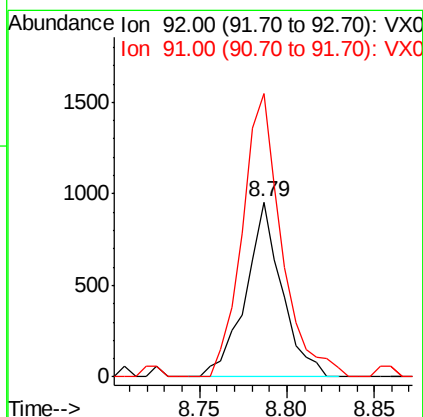
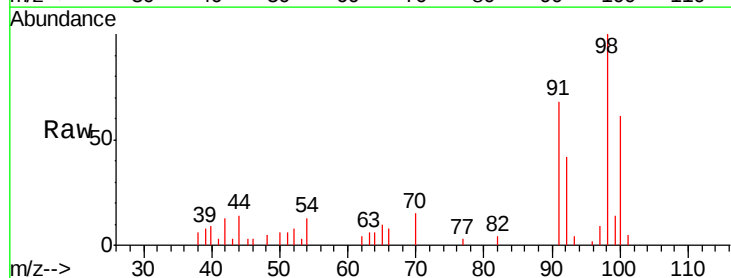
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2018

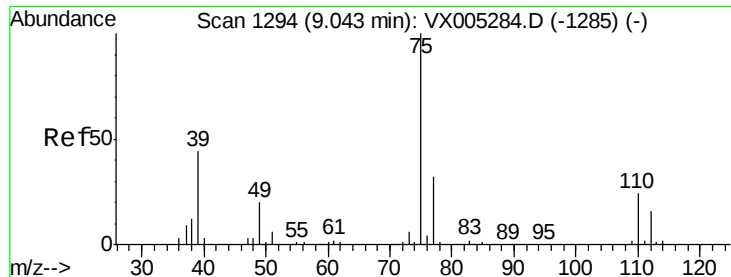
Tgt Ion: 43 Resp: 3494
 Ion Ratio Lower Upper
 43 100
 58 42.8 33.1 49.7



#52
 Toluene
 Concen: 0.23 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VX005293.D
 Acq: 12 Oct 2018 15:11

Tgt Ion: 92 Resp: 1376
 Ion Ratio Lower Upper
 92 100
 91 174.9 136.4 204.6

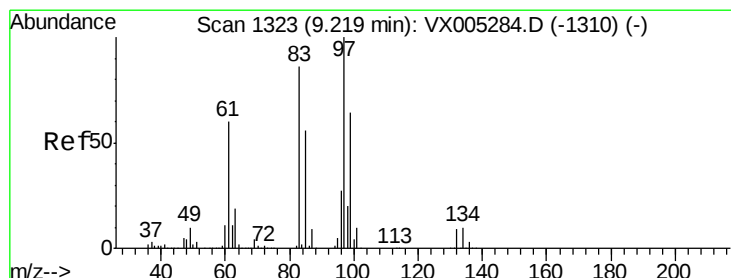
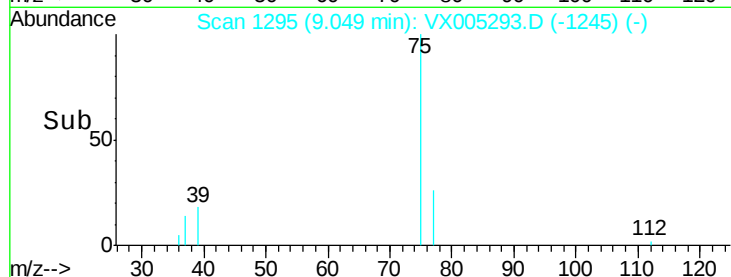
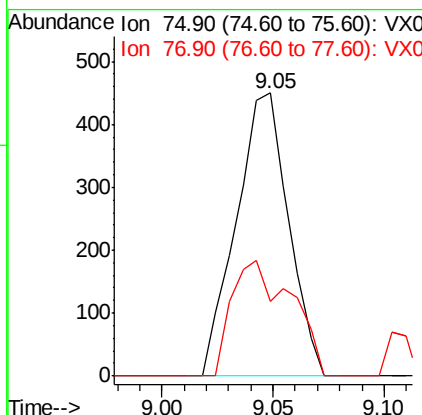
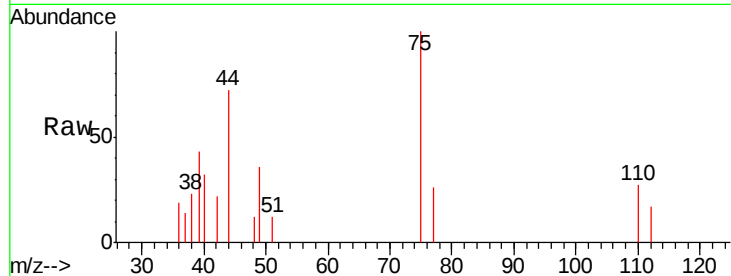




#53
t-1,3-Dichloropropene
Concen: 0.20 ug/l
RT: 9.05 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

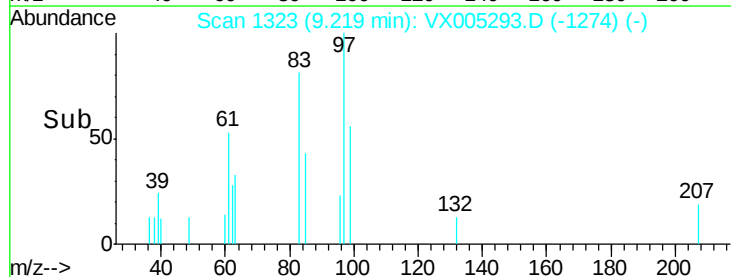
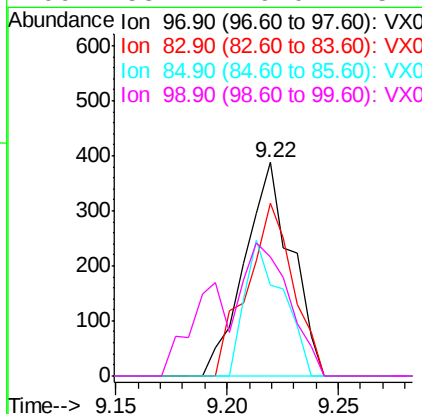
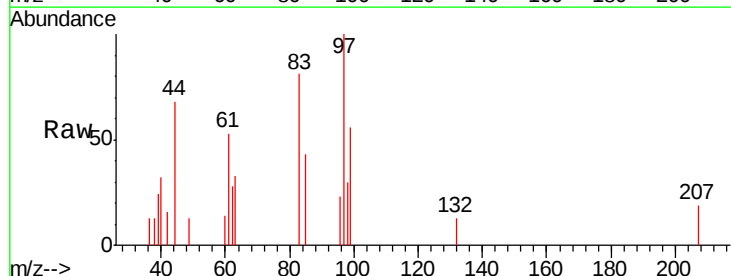
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2018

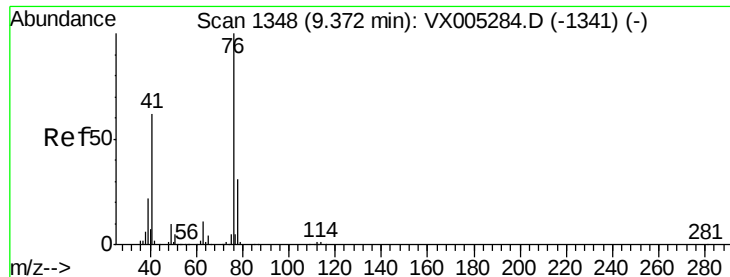
Tgt Ion: 75 Resp: 735
Ion Ratio Lower Upper
75 100
77 26.4 24.6 37.0



#55
1,1,2-Trichloroethane
Concen: 0.22 ug/l
RT: 9.22 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Tgt Ion: 97 Resp: 568
Ion Ratio Lower Upper
97 100
83 80.9 66.4 99.6
85 42.5 43.3 64.9#
99 55.7 49.0 73.4





#57

1,3-Dichloropropane

Concen: 0.23 ug/l

RT: 9.38 min Scan# 1349

Delta R.T. 0.01 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

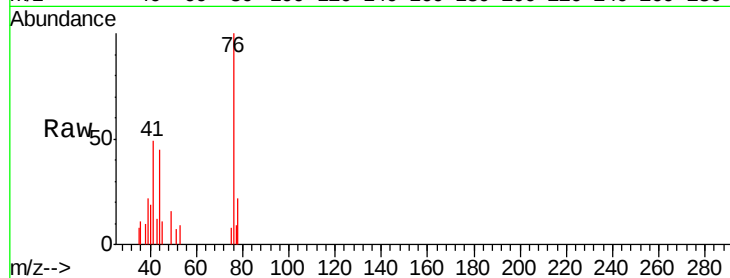
MDL-WATER-03-QT4-2018

Tgt Ion: 76 Resp: 976

Ion Ratio Lower Upper

76 100

78 25.0 25.5 38.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

600

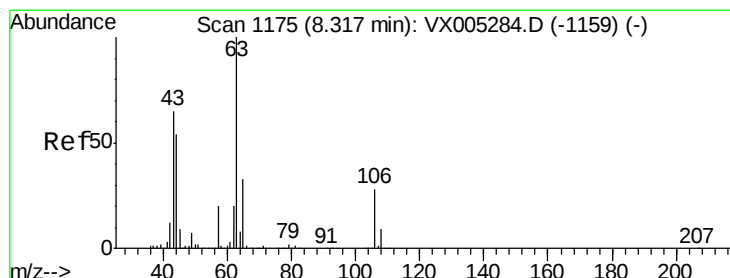
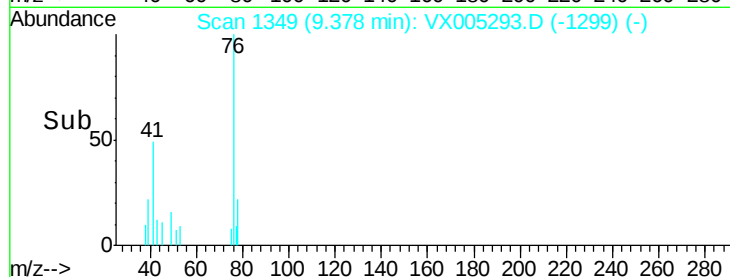
400

200

0

9.35 9.40

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 0.87 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX005293.D

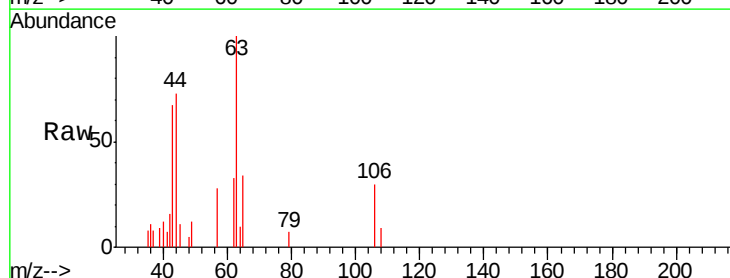
Acq: 12 Oct 2018 15:11

Tgt Ion: 63 Resp: 1824

Ion Ratio Lower Upper

63 100

106 29.8 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

1200

1000

800

600

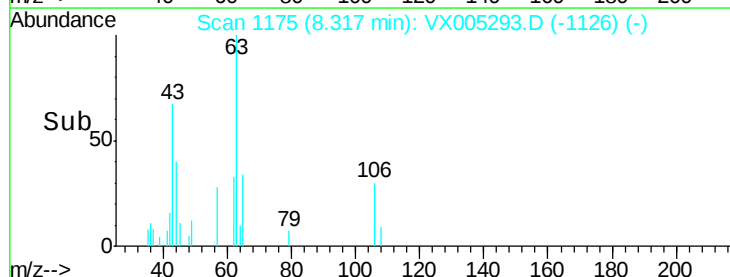
400

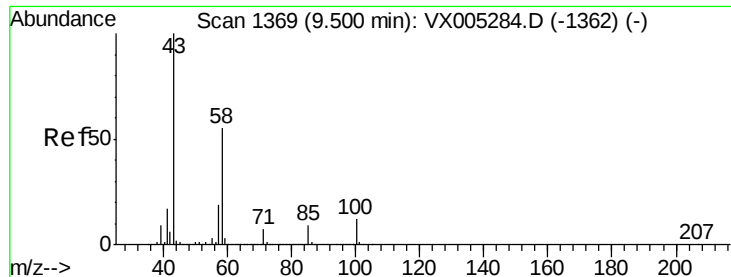
200

0

8.25 8.30 8.35 8.40

Time-->

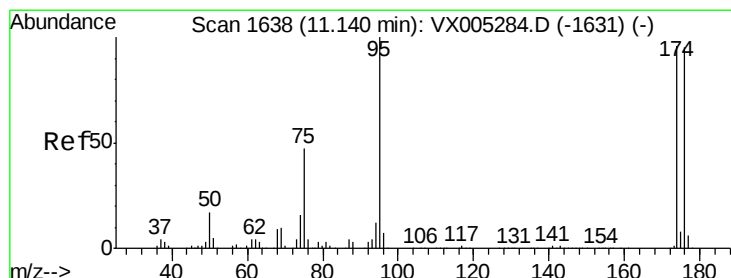
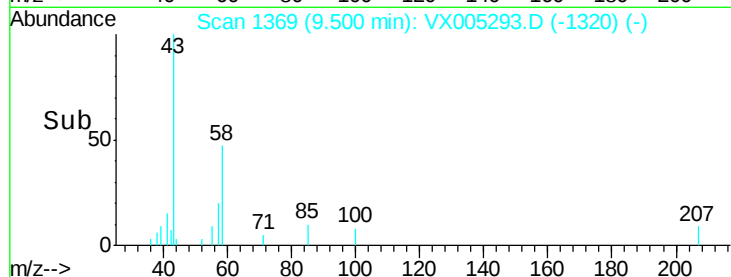
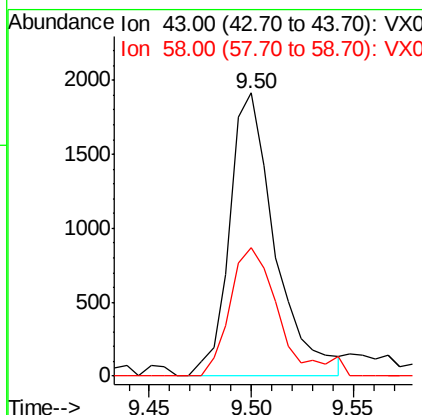
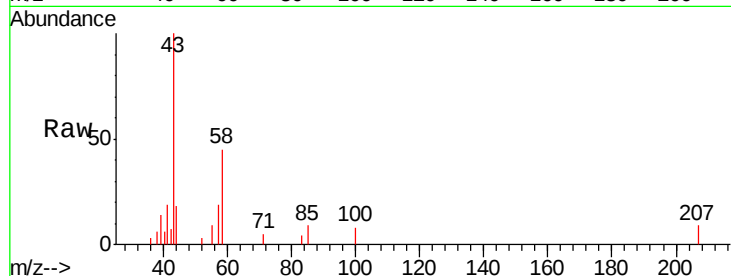




#59
2-Hexanone
Concen: 0.84 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

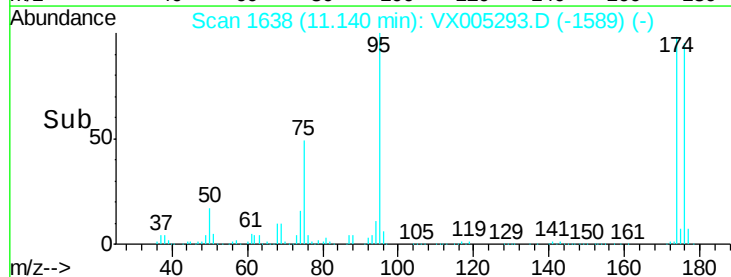
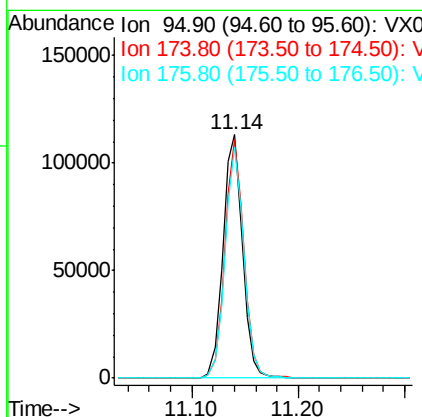
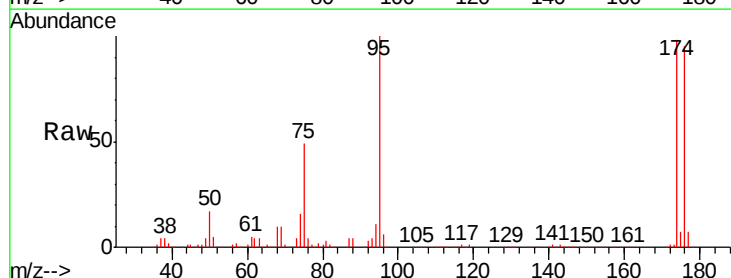
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2018

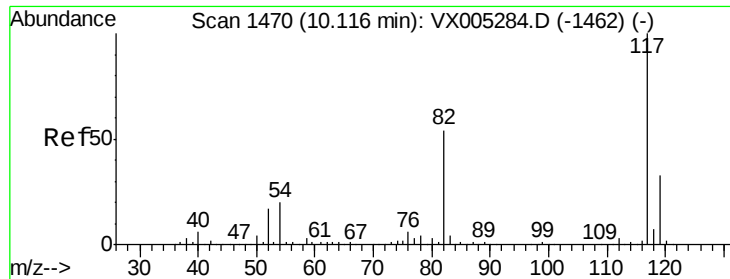
Tgt Ion: 43 Resp: 2952
Ion Ratio Lower Upper
43 100
58 49.1 29.0 87.0



#62
4-Bromofluorobenzene
Concen: 44.58 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Tgt Ion: 95 Resp: 145304
Ion Ratio Lower Upper
95 100
174 95.7 0.0 185.2
176 92.2 0.0 178.6

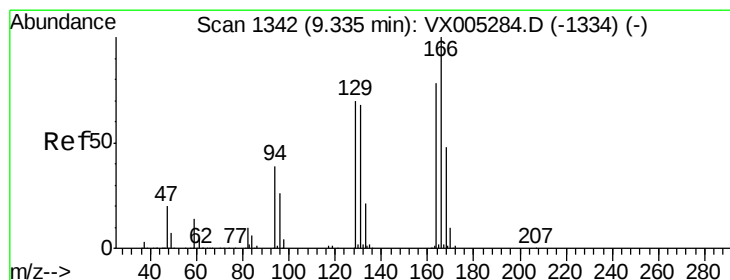
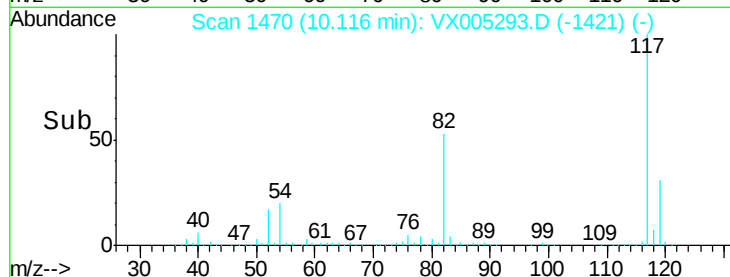
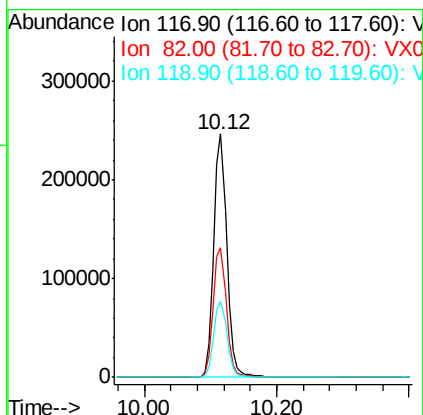
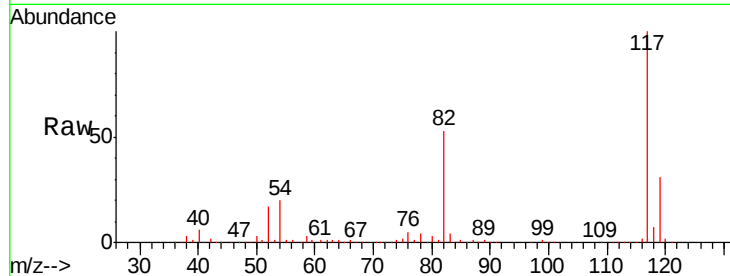




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

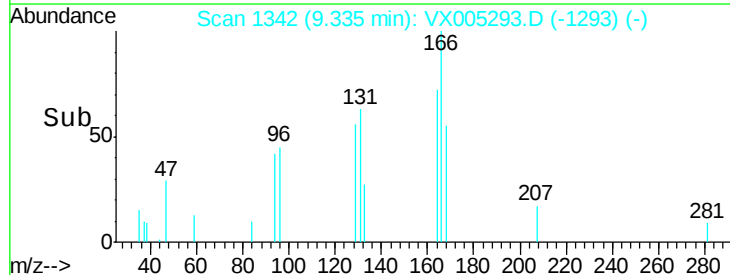
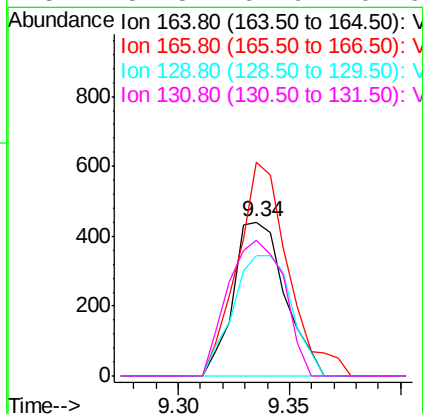
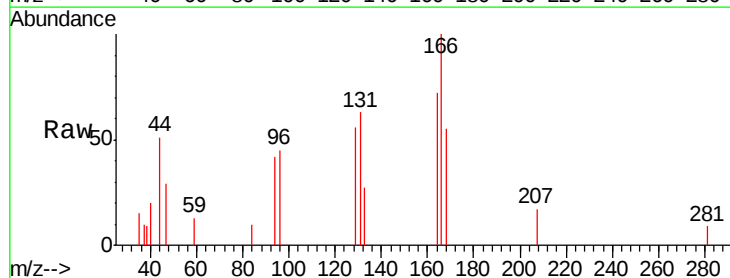
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2018

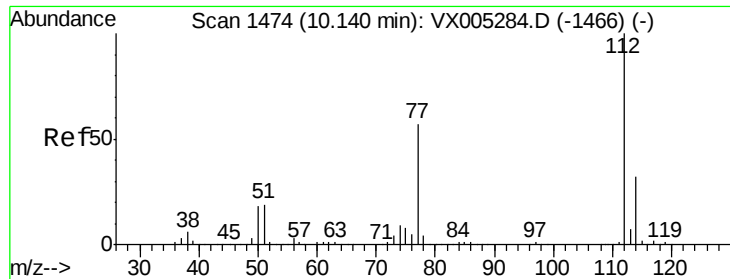
Tgt Ion:117 Resp: 333484
Ion Ratio Lower Upper
117 100
82 53.2 47.8 71.6
119 31.3 29.3 43.9



#64
Tetrachloroethene
Concen: 0.27 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Tgt Ion:164 Resp: 716
Ion Ratio Lower Upper
164 100
166 138.5 102.8 154.2
129 78.0 69.4 104.0
131 87.8 67.9 101.9





#65

Chlorobenzene

Concen: 0.23 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

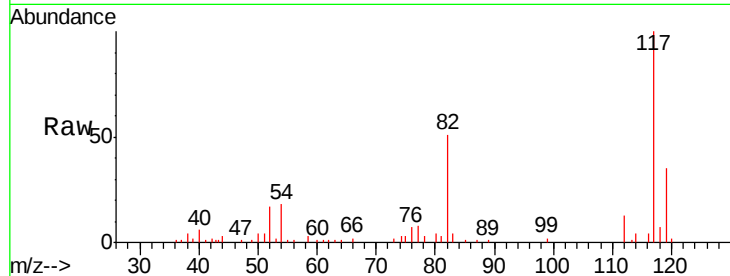
MDL-WATER-03-QT4-2018

Tgt Ion:112 Resp: 1619

Ion Ratio Lower Upper

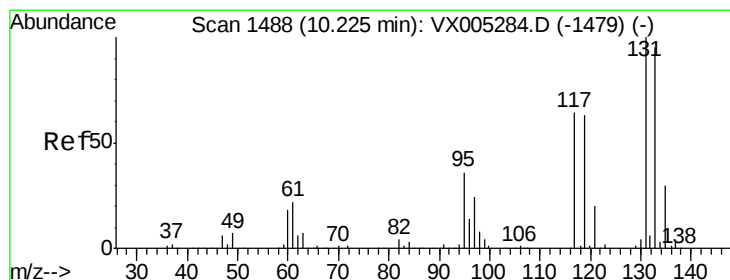
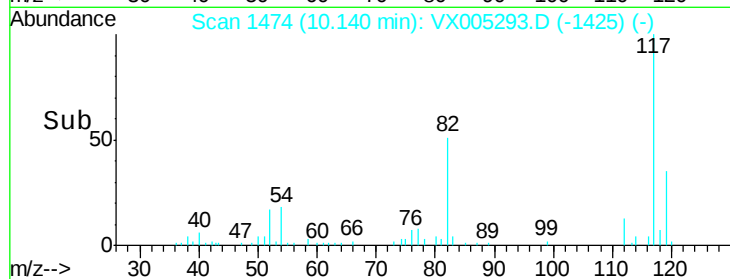
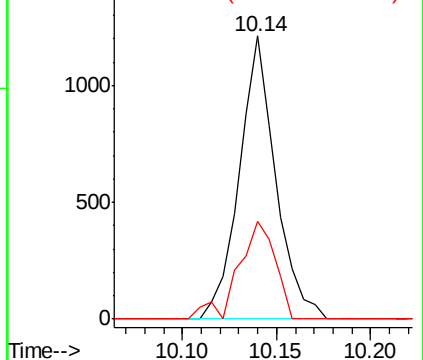
112 100

114 34.7 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: 0.24 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

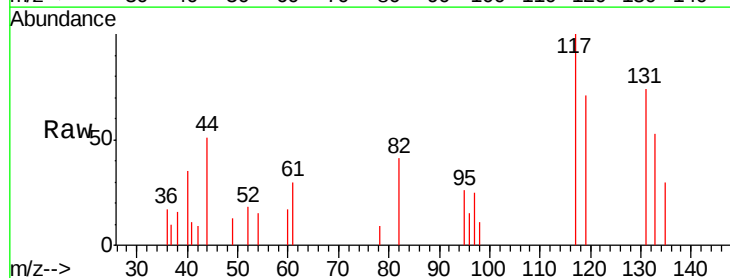
Tgt Ion:131 Resp: 608

Ion Ratio Lower Upper

131 100

133 81.3 48.1 144.4

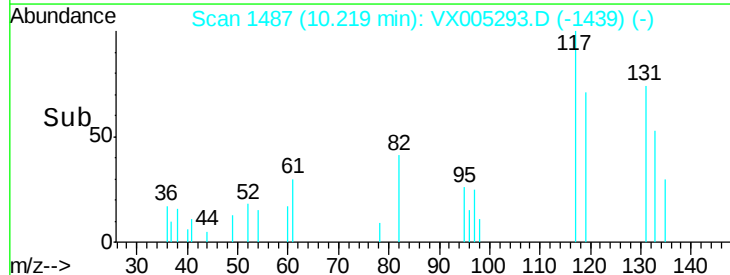
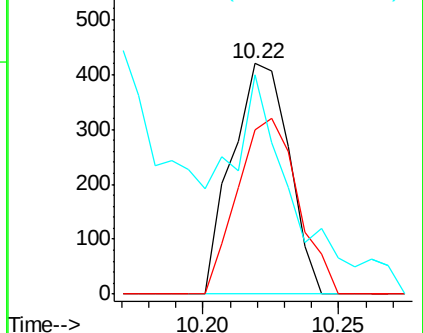
119 0.0 32.9 98.6#

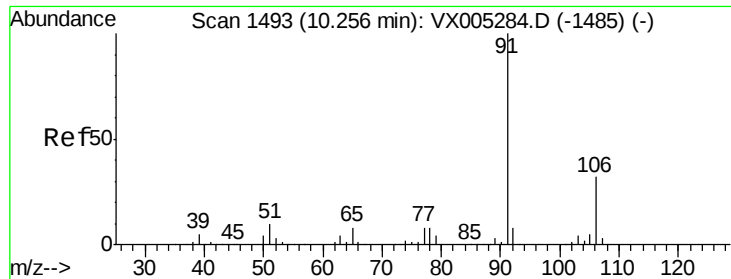


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

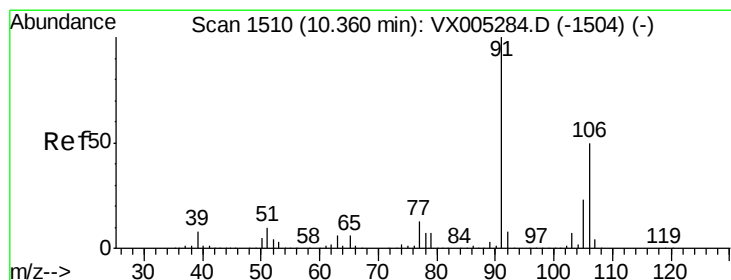
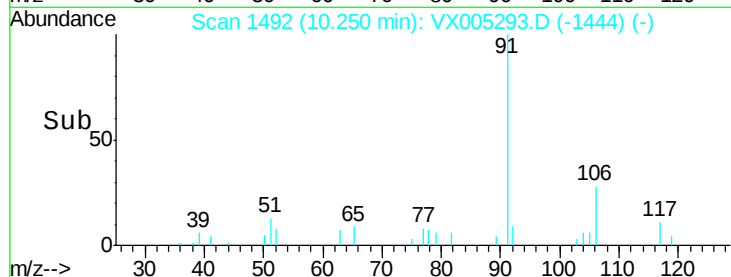
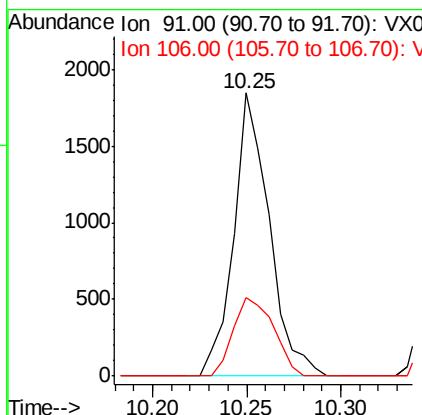
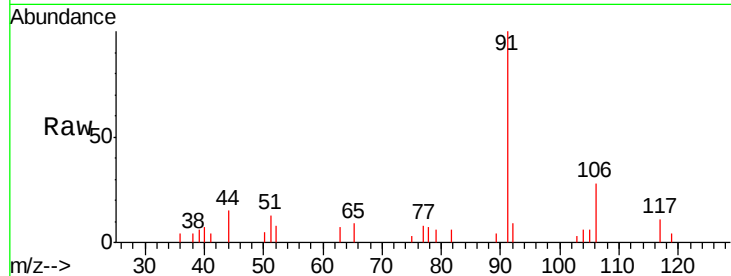




#67
Ethyl Benzene
Concen: 0.21 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

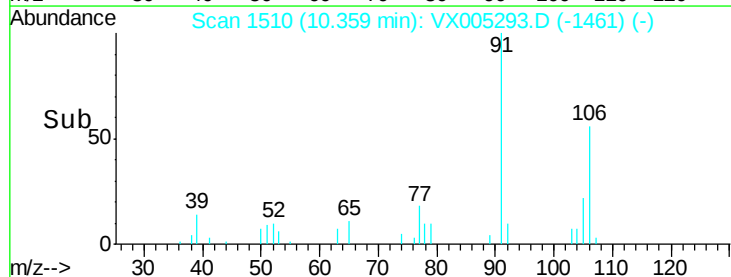
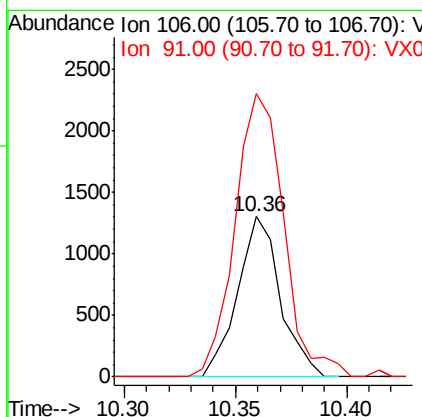
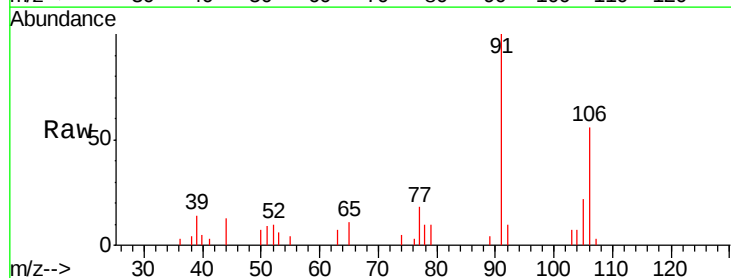
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2018

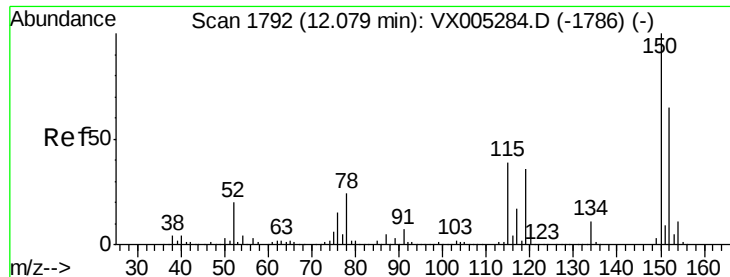
Tgt Ion: 91 Resp: 2419
Ion Ratio Lower Upper
91 100
106 27.9 25.9 38.9



#68
m/p-Xylenes
Concen: 0.39 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Tgt Ion: 106 Resp: 1746
Ion Ratio Lower Upper
106 100
91 201.7 157.1 235.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2018

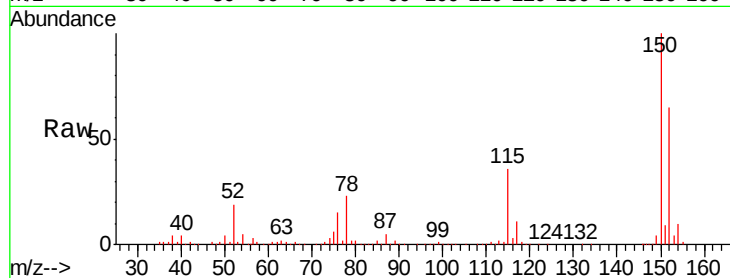
Tgt Ion:152 Resp: 169181

Ion Ratio Lower Upper

152 100

115 54.8 39.0 117.0

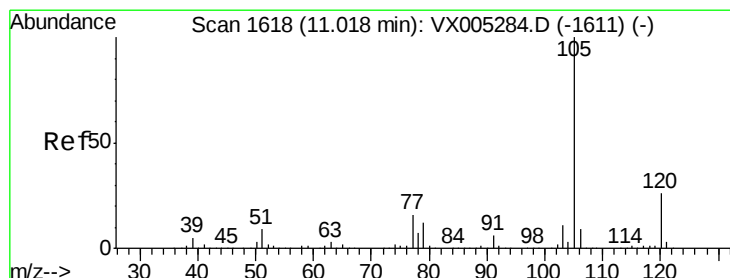
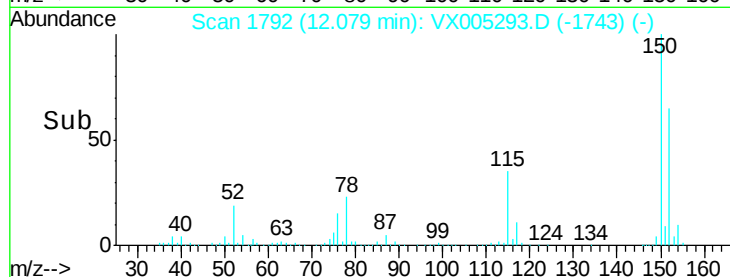
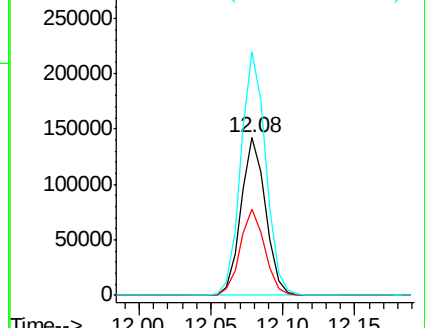
150 156.7 0.0 351.0



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: 0.21 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005293.D

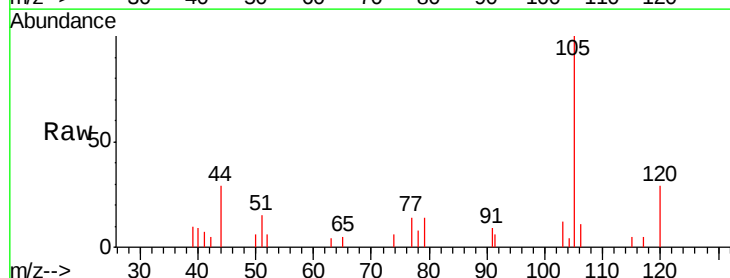
Acq: 12 Oct 2018 15:11

Tgt Ion:105 Resp: 2074

Ion Ratio Lower Upper

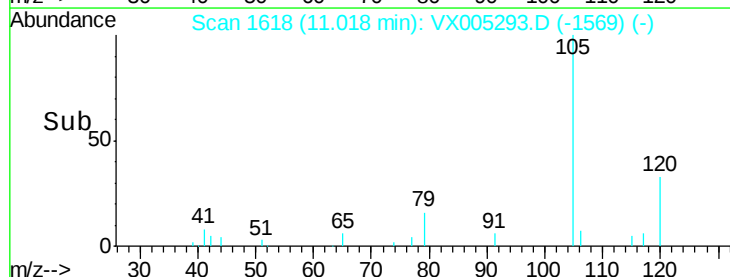
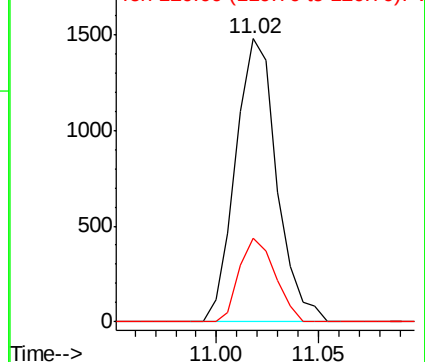
105 100

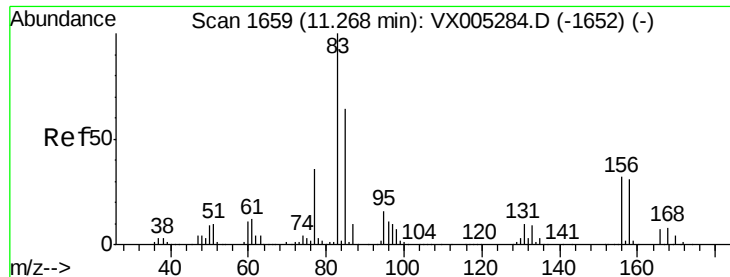
120 25.6 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 0.23 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2018

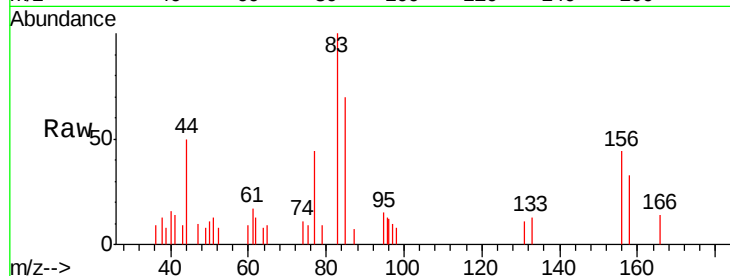
Tgt Ion: 83 Resp: 862

Ion Ratio Lower Upper

83 100

131 12.1 5.2 15.6

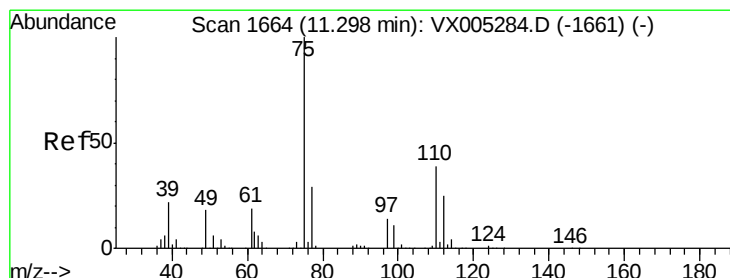
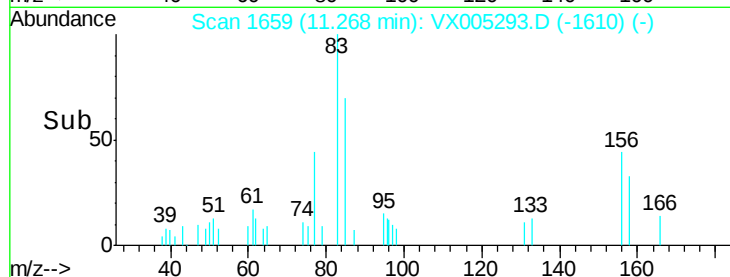
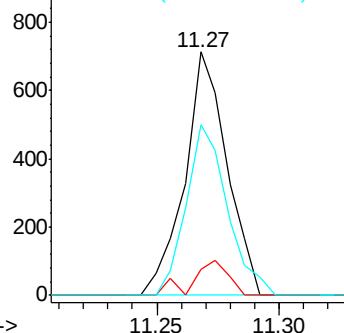
85 68.4 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.59 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005293.D

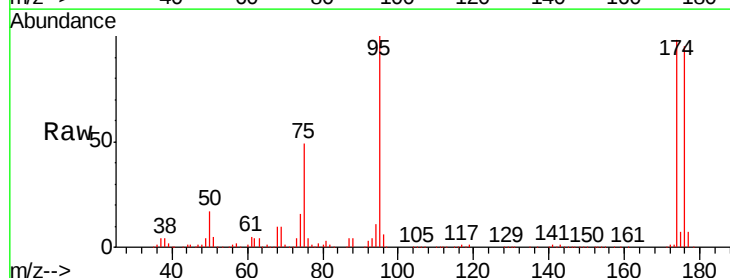
Acq: 12 Oct 2018 15:11

Tgt Ion: 75 Resp: 70861

Ion Ratio Lower Upper

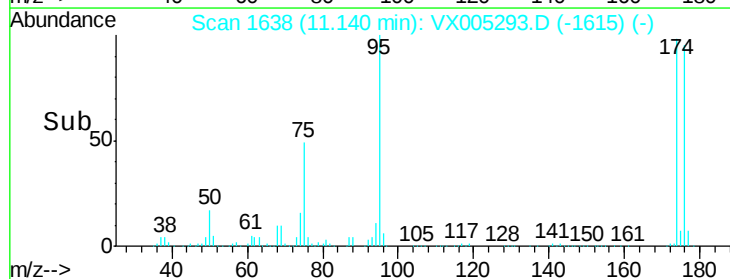
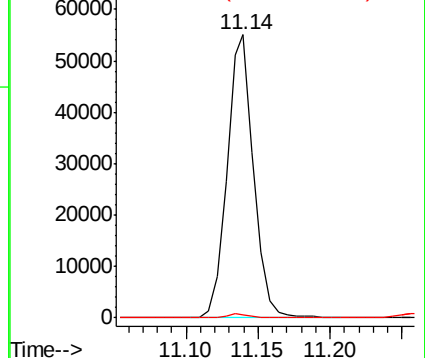
75 100

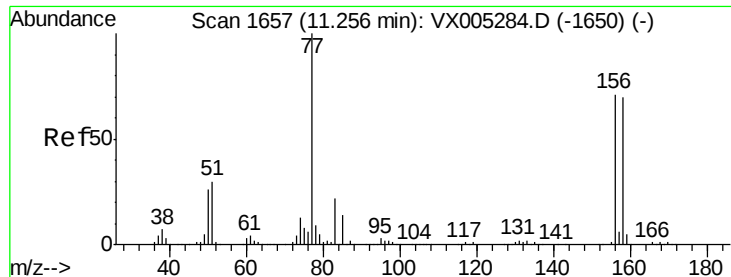
77 1.3 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 0.24 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. 0.01 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2018

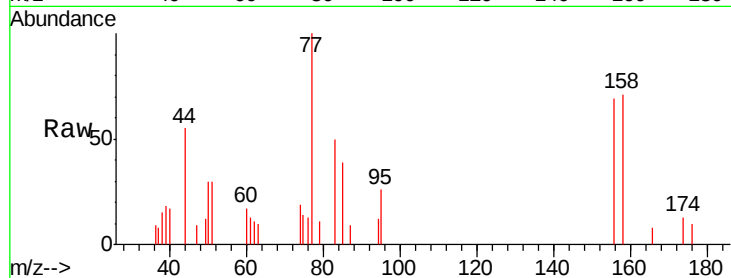
Tgt Ion:156 Resp: 681

Ion Ratio Lower Upper

156 100

77 168.9 71.5 214.3

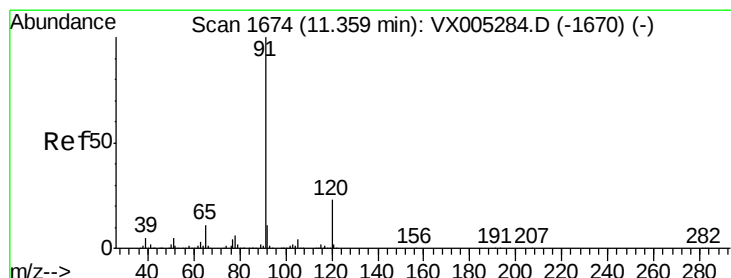
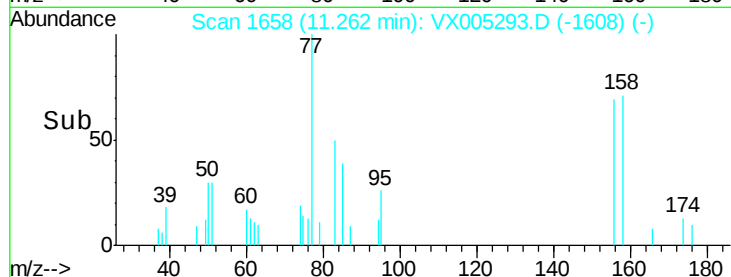
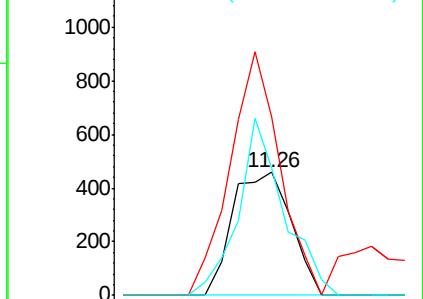
158 113.1 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.24 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005293.D

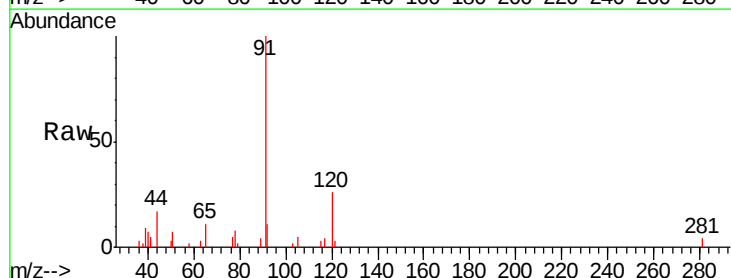
Acq: 12 Oct 2018 15:11

Tgt Ion: 91 Resp: 2799

Ion Ratio Lower Upper

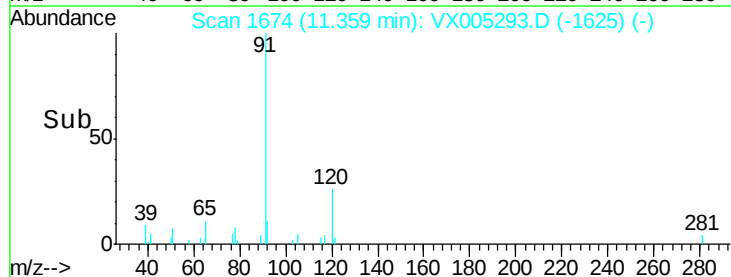
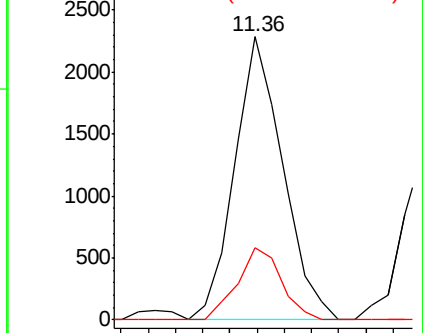
91 100

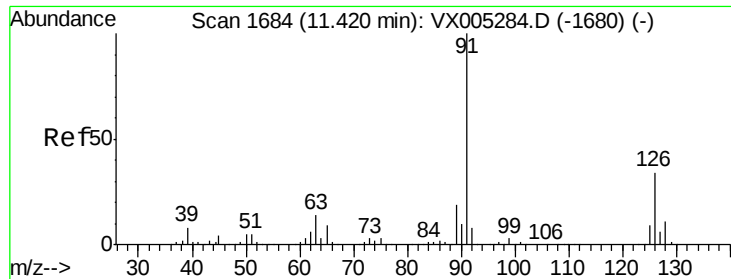
120 23.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

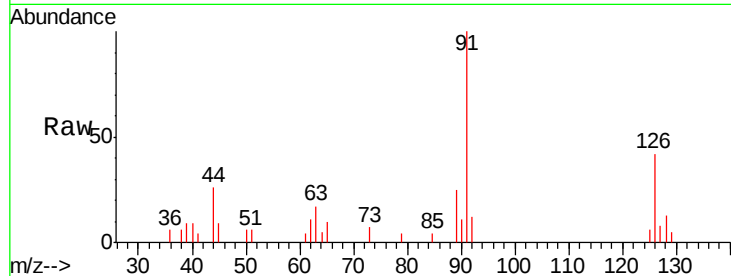




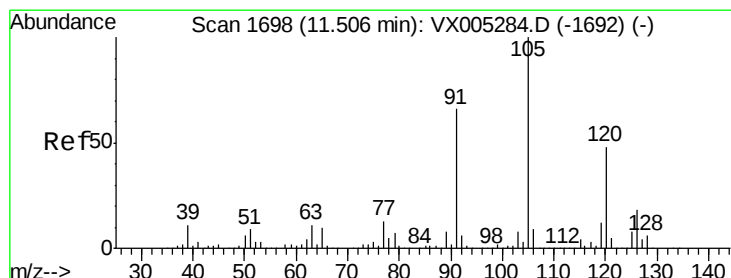
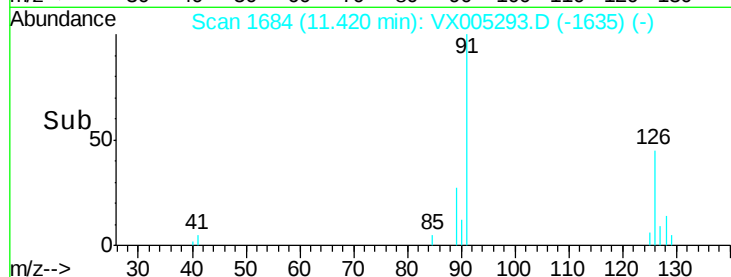
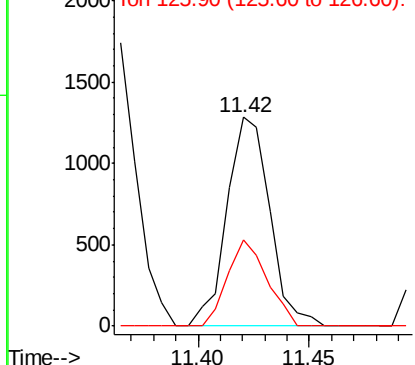
#79
2-Chlorotoluene
Concen: 0.24 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion: 91 Resp: 1724
Ion Ratio Lower Upper
91 100
126 38.2 17.9 53.7

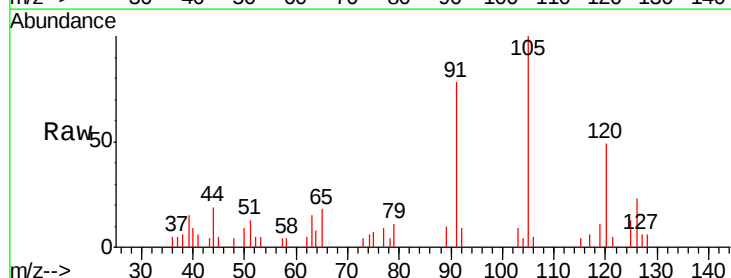


Abundance Ion 91.00 (90.70 to 91.70): VX005284.D (-1680) (-)
Ion 125.90 (125.60 to 126.60): VX005284.D (-1680) (-)

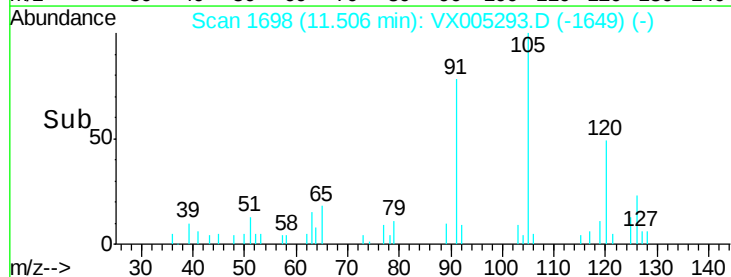
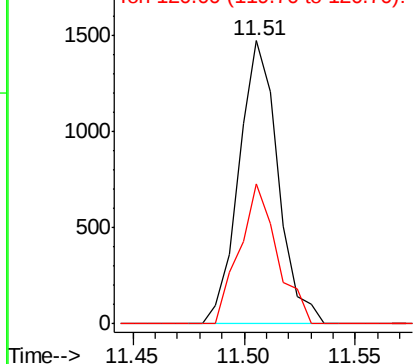


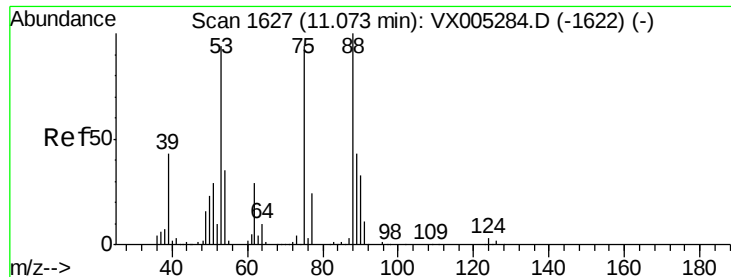
#80
1,3,5-Trimethylbenzene
Concen: 0.21 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Tgt Ion: 105 Resp: 1805
Ion Ratio Lower Upper
105 100
120 47.5 25.6 76.8



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





#81

trans-1,4-Dichloro-2-butene

Concen: 65.61 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2018

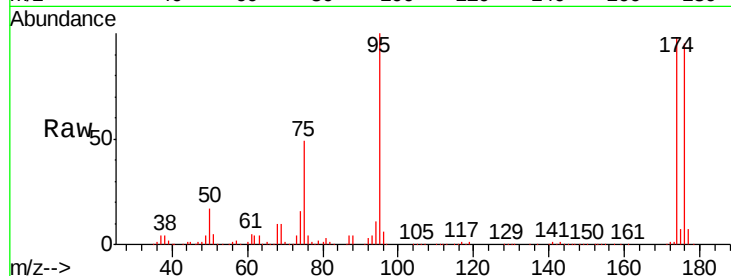
Tgt Ion: 75 Resp: 70861

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

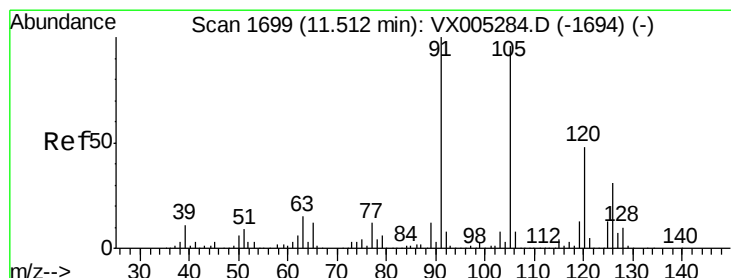
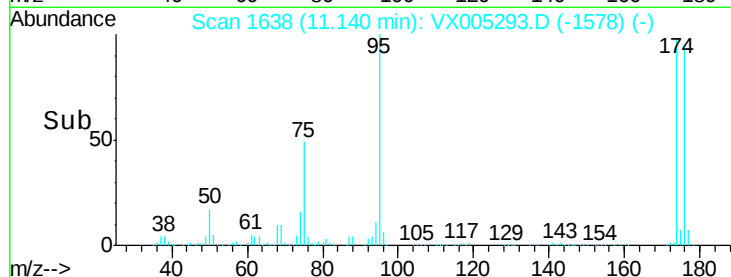
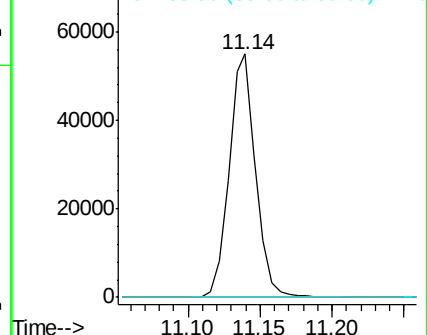
89 0.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 0.24 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005293.D

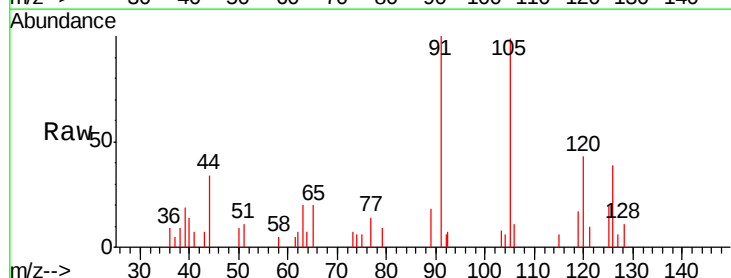
Acq: 12 Oct 2018 15:11

Tgt Ion: 91 Resp: 1981

Ion Ratio Lower Upper

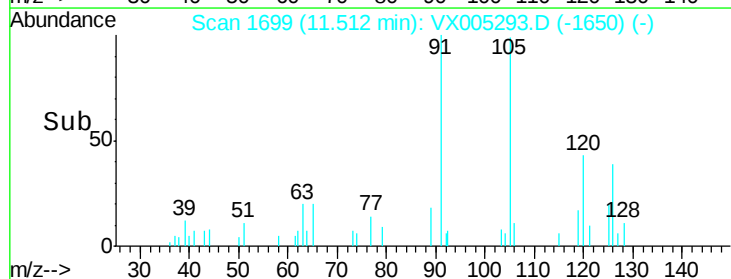
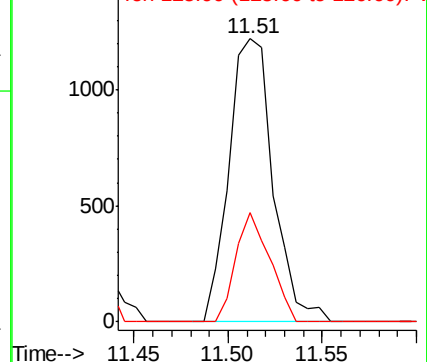
91 100

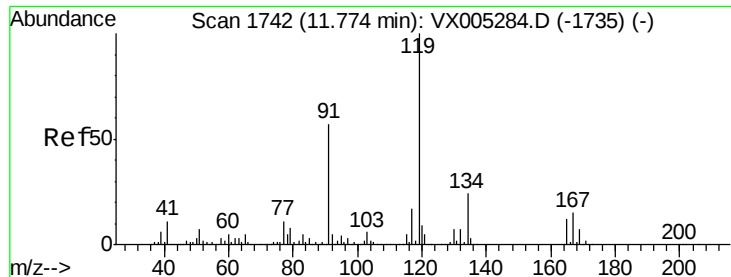
126 29.8 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

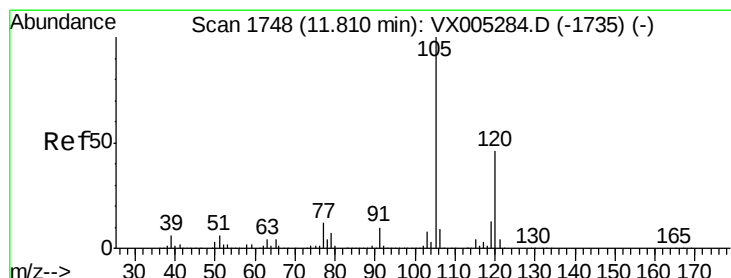
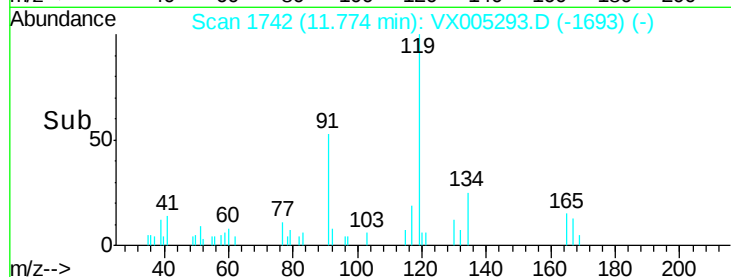
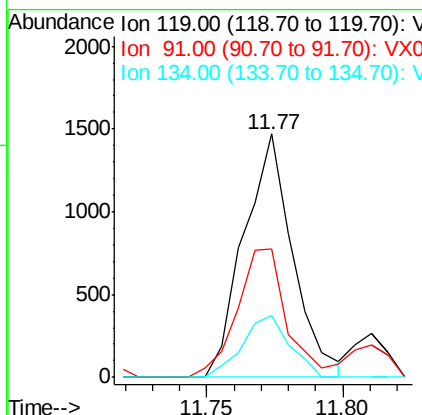
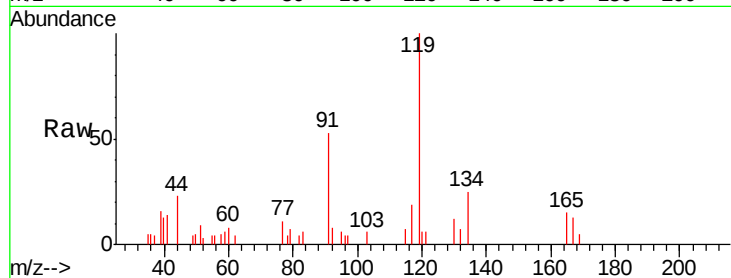




#83
 tert-Butylbenzene
 Concen: 0.21 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005293.D
 Acq: 12 Oct 2018 15:11

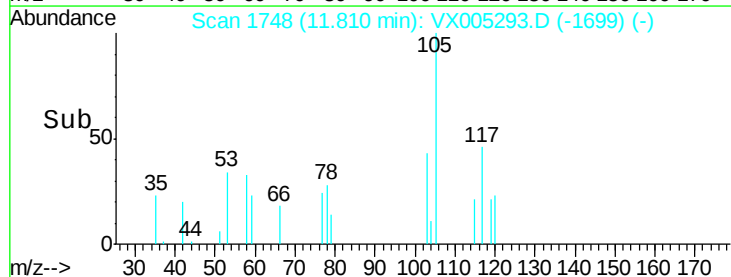
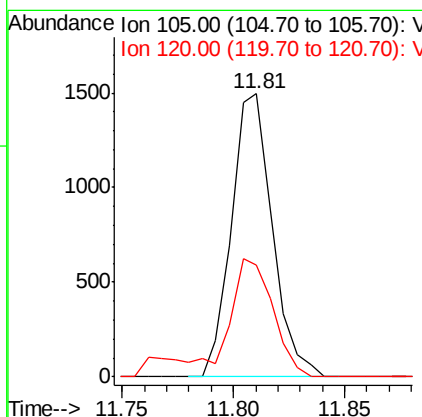
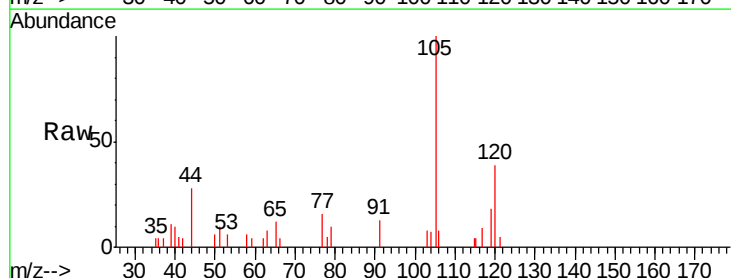
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2018

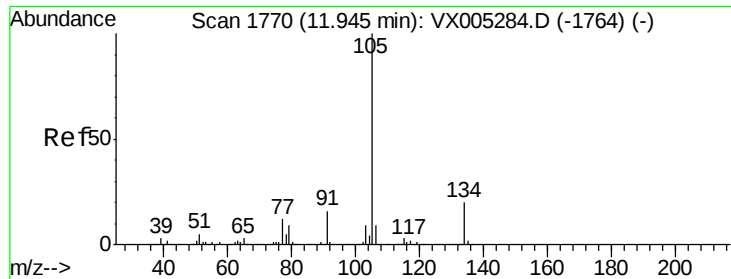
Tgt Ion:119 Resp: 1835
 Ion Ratio Lower Upper
 119 100
 91 52.6 27.0 81.0
 134 24.5 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 0.22 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005293.D
 Acq: 12 Oct 2018 15:11

Tgt Ion:105 Resp: 1913
 Ion Ratio Lower Upper
 105 100
 120 43.9 23.2 69.6

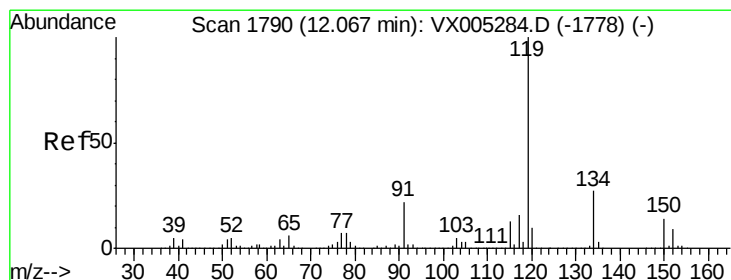
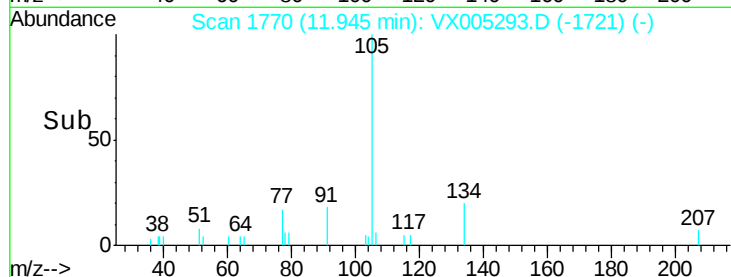
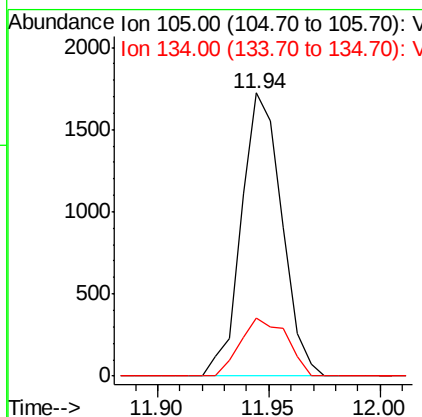
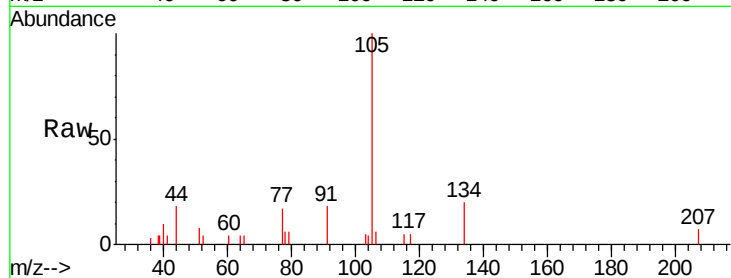




#85
 sec-Butylbenzene
 Concen: 0.21 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005293.D
 Acq: 12 Oct 2018 15:11

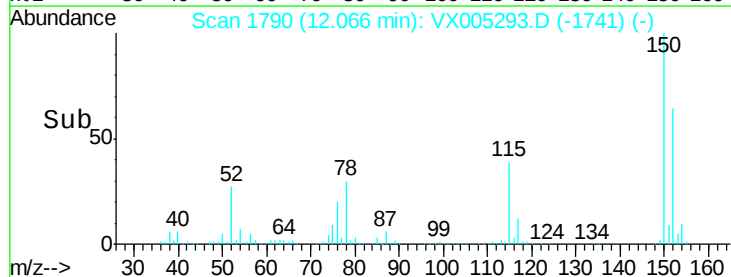
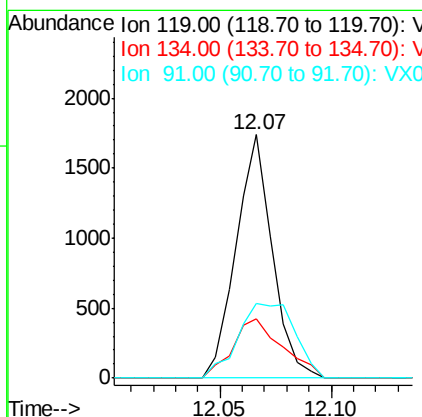
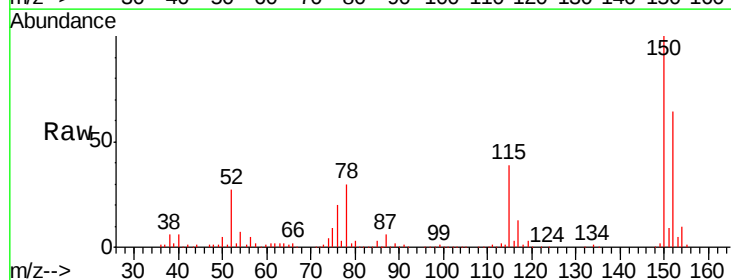
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2018

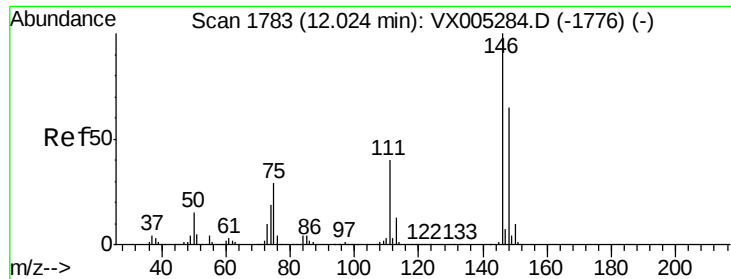
Tgt Ion:105 Resp: 2177
 Ion Ratio Lower Upper
 105 100
 134 23.3 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 0.21 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005293.D
 Acq: 12 Oct 2018 15:11

Tgt Ion:119 Resp: 1974
 Ion Ratio Lower Upper
 119 100
 134 33.6 13.4 40.2
 91 47.9 10.9 32.7#





#87

1,3-Dichlorobenzene

Concen: 0.26 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. 0.01 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2018

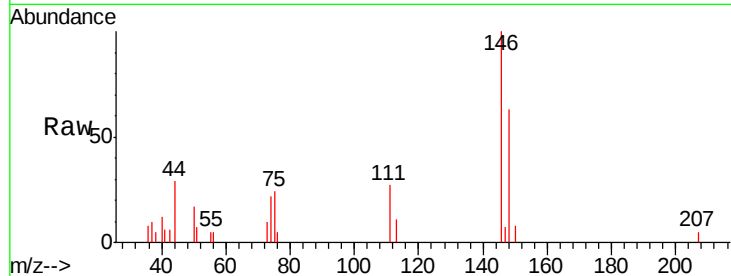
Tgt Ion:146 Resp: 1410

Ion Ratio Lower Upper

146 100

111 42.9 18.7 56.1

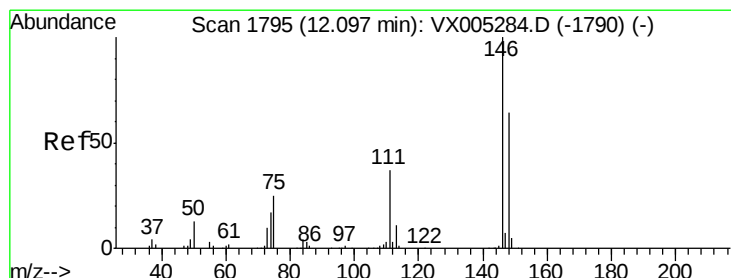
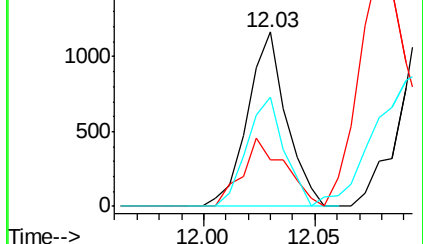
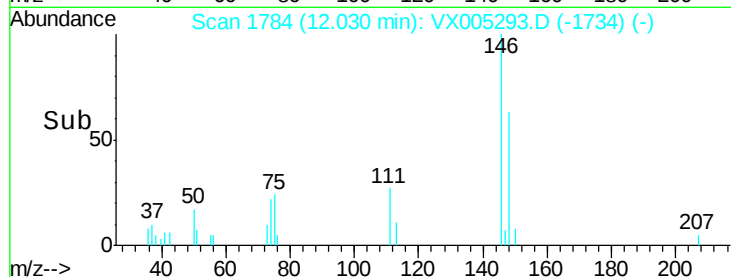
148 60.6 32.1 96.5



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: 0.26 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. -0.07 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

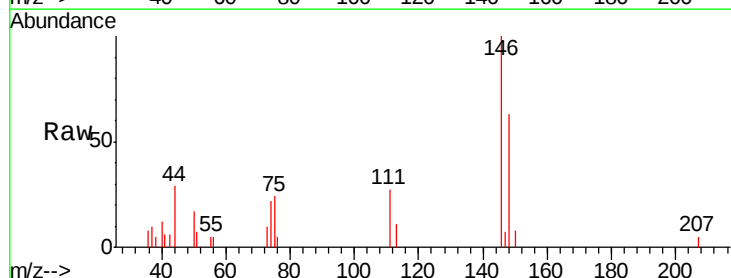
Tgt Ion:146 Resp: 1410

Ion Ratio Lower Upper

146 100

111 42.9 18.1 54.1

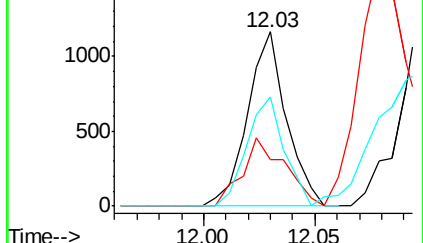
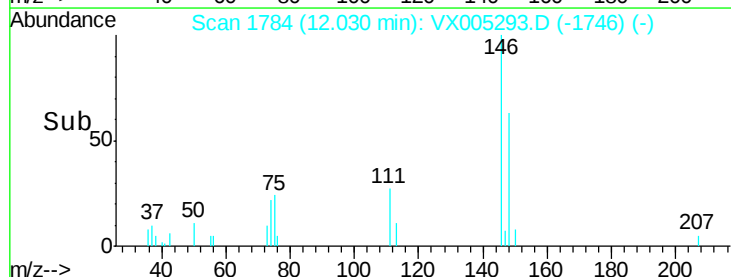
148 60.6 32.0 96.0

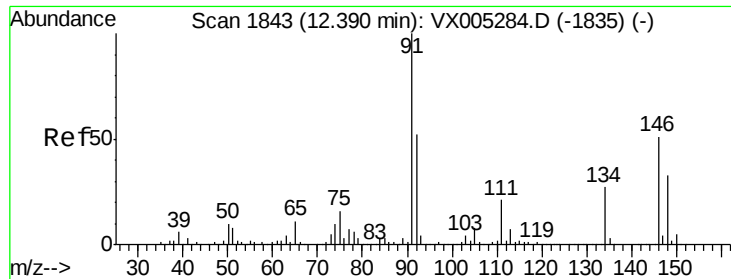


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

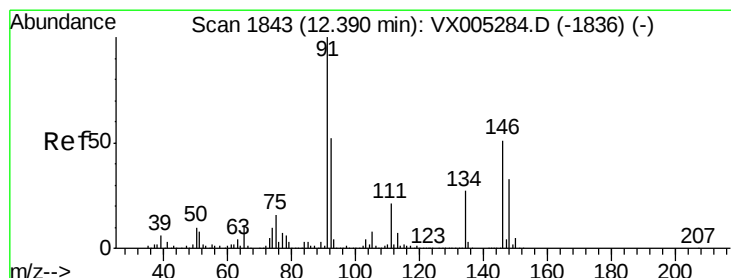
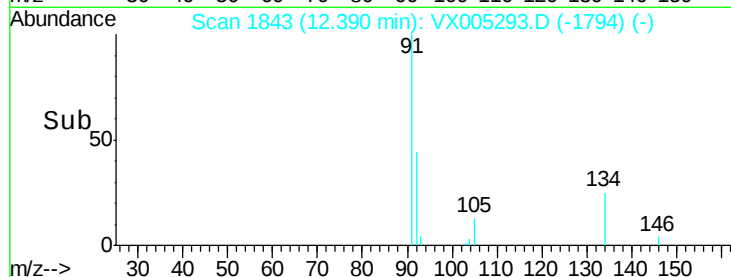
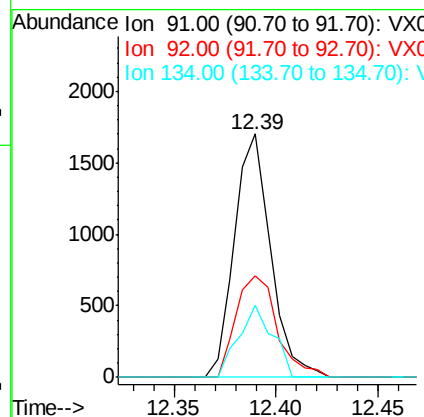
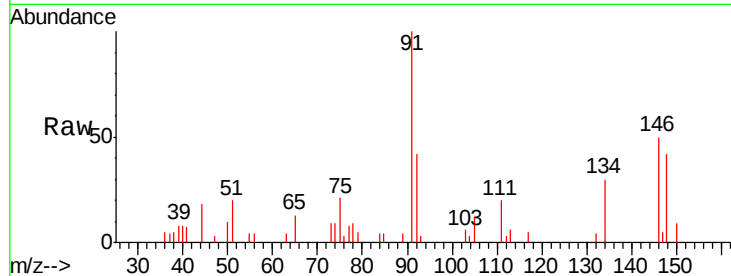




#89
n-Butylbenzene
Concen: 0.25 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

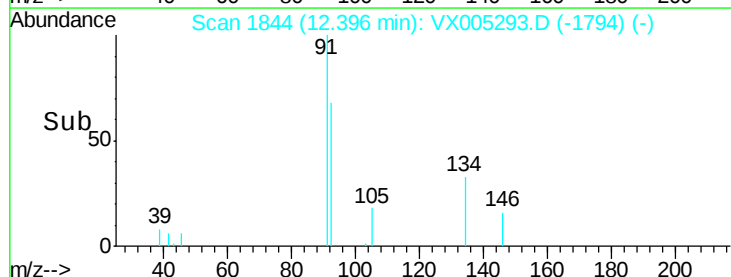
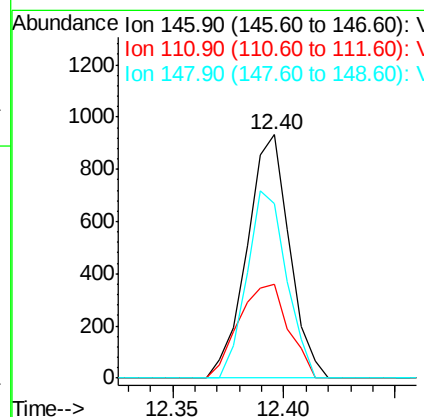
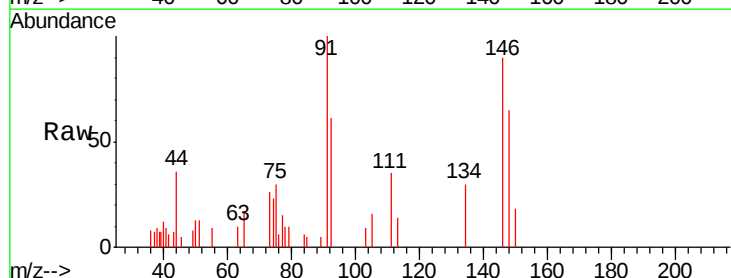
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2018

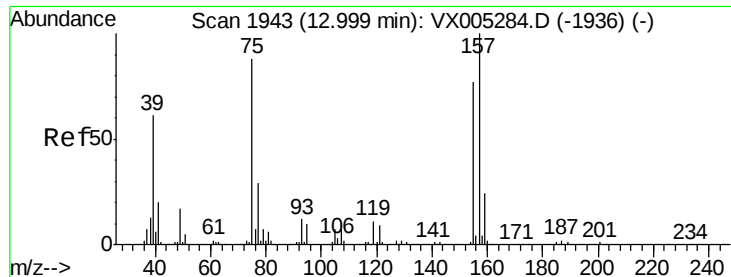
Tgt Ion: 91 Resp: 2093
Ion Ratio Lower Upper
91 100
92 47.4 27.3 81.9
134 27.9 13.6 40.7



#91
1,2-Dichlorobenzene
Concen: 0.23 ug/l
RT: 12.40 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Tgt Ion: 146 Resp: 1238
Ion Ratio Lower Upper
146 100
111 45.0 19.4 58.1
148 71.8 32.8 98.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.29 ug/l

RT: 13.01 min Scan# 1944

Delta R.T. 0.01 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2018

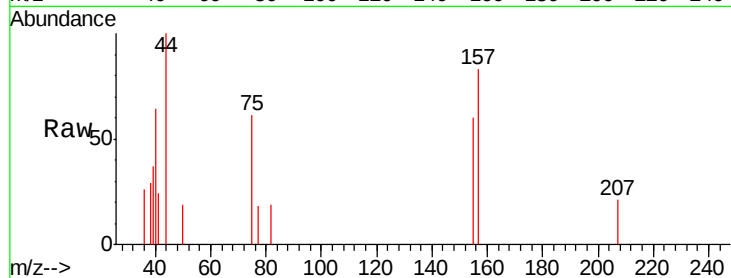
Tgt Ion: 75 Resp: 267

Ion Ratio Lower Upper

75 100

155 71.9 48.0 144.2

157 88.8 61.4 184.1

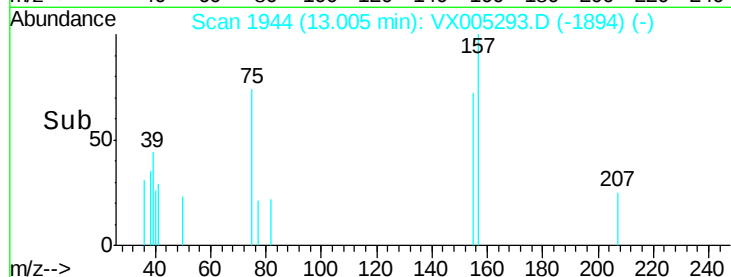


Abundance Ion 74.90 (74.60 to 75.60): VX0

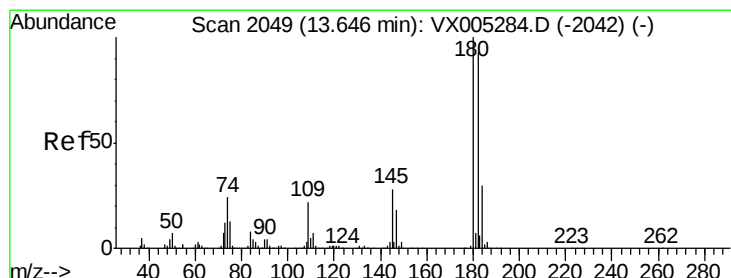
Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

Time-->



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 0.33 ug/l

RT: 13.65 min Scan# 2050

Delta R.T. 0.01 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

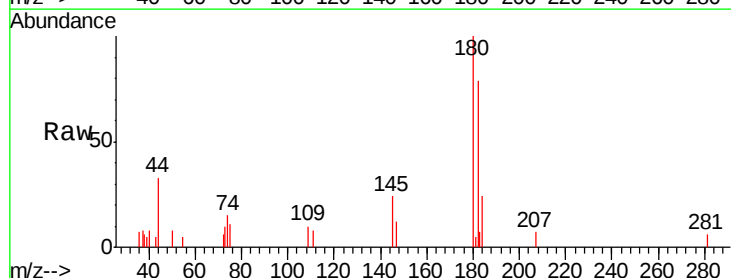
Tgt Ion: 180 Resp: 1329

Ion Ratio Lower Upper

180 100

182 82.5 48.4 145.0

145 25.8 14.3 42.9

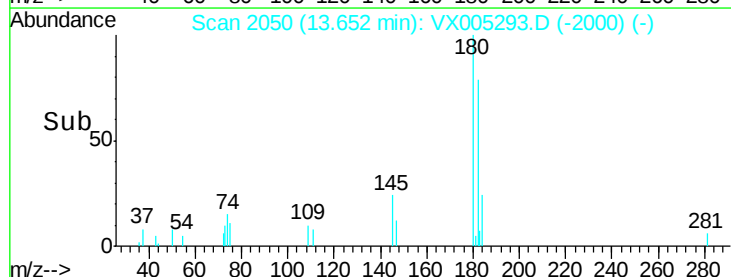


Abundance Ion 179.80 (179.50 to 180.50): V

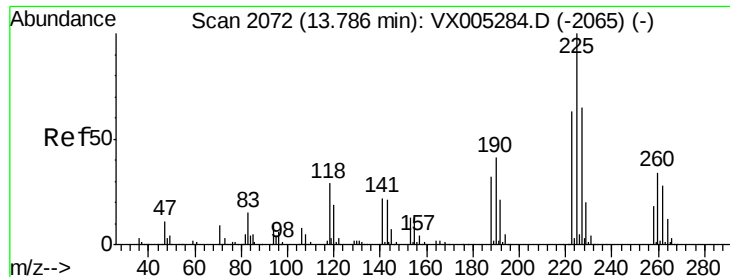
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

Time-->



Time-->



#94

Hexachlorobutadiene

Concen: 0.26 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.01 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2018

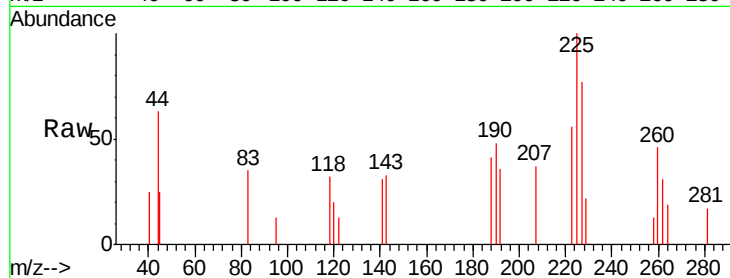
Tgt Ion:225 Resp: 548

Ion Ratio Lower Upper

225 100

223 73.5 30.1 90.5

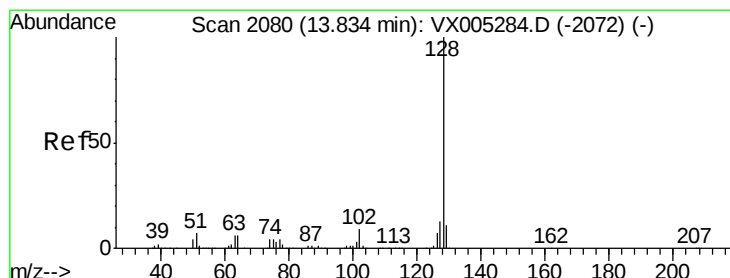
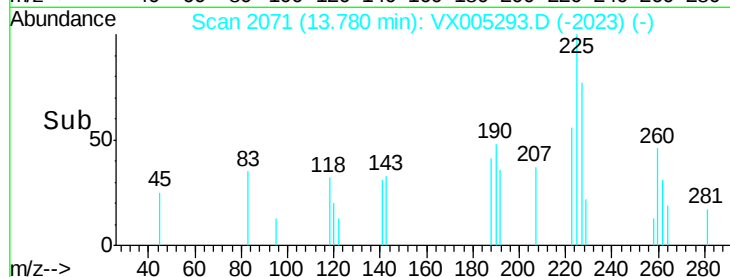
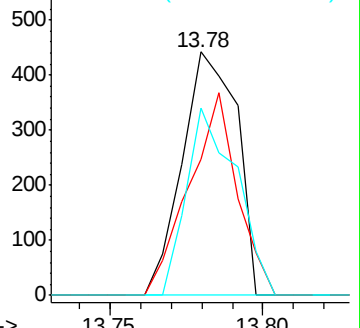
227 70.6 30.8 92.4



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: 0.21 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

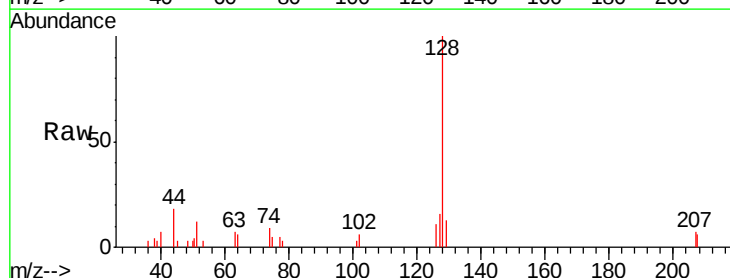
Tgt Ion:128 Resp: 2506

Ion Ratio Lower Upper

128 100

127 15.6 10.2 15.2#

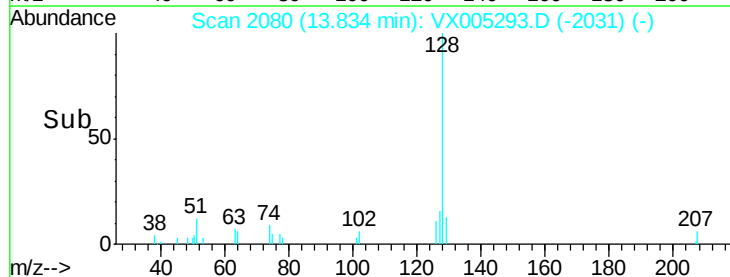
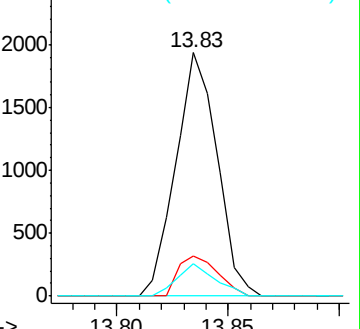
129 12.2 8.6 12.8

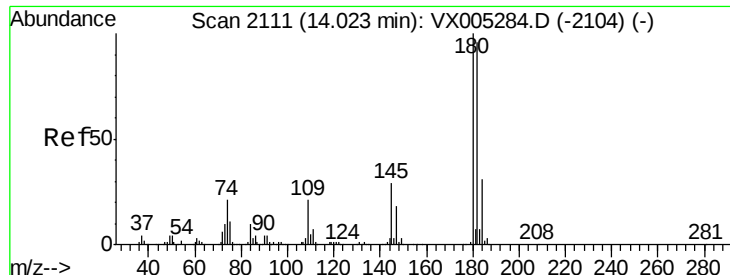


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.25 ug/l
 RT: 14.02 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VX005293.D
 Acq: 12 Oct 2018 15:11

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
180	100		
182	85.3	48.5	145.6
145	33.9	14.9	44.9

