

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101519\
 Data File : VX013075.D
 Acq On : 15 Oct 2019 14:07
 Operator : JC/SP
 Sample : K5111-07 .5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019DL

Quant Time: Oct 16 05:58:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	160202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	271122	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	239935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	103389	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	100576	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
35) Dibromofluoromethane	5.49	113	78352	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
50) Toluene-d8	8.71	98	296433	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
62) 4-Bromofluorobenzene	11.13	95	107297	45.50	ug/l	0.00
Spiked Amount			Recovery	=	91.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	853	0.522	ug/l	81
3) Chloromethane	1.31	50	959	0.540	ug/l	98
4) Vinyl Chloride	1.40	62	850	0.463	ug/l	92
5) Bromomethane	1.63	94	883	1.158	ug/l	85
6) Chloroethane	1.71	64	963	1.221	ug/l #	67
7) Trichlorofluoromethane	1.92	101	1466	0.592	ug/l	87
8) Diethyl Ether	2.17	74	552	0.552	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	2.37	101	812	0.507	ug/l #	83
10) Methyl Iodide	2.50	142	914	5.534	ug/l #	84
11) Tert butyl alcohol	3.01	59	3824	7.204	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	869	0.537	ug/l #	71
13) Acrolein	2.29	56	714	1.893	ug/l	87
14) Allyl chloride	2.72	41	1401	0.486	ug/l	95
15) Acrylonitrile	3.14	53	2417	2.403	ug/l #	91
16) Acetone	2.43	43	2478	2.348	ug/l #	70
17) Carbon Disulfide	2.56	76	2162	0.468	ug/l	97
18) Methyl Acetate	2.76	43	1340	0.536	ug/l #	90
19) Methyl tert-butyl Ether	3.19	73	2876	0.514	ug/l	93
20) Methylene Chloride	2.85	84	1234	0.636	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	945	0.545	ug/l #	63
22) Diisopropyl ether	3.84	45	2856	0.517	ug/l #	66
23) Vinyl Acetate	3.81	43	9956	2.088	ug/l #	91
24) 1,1-Dichloroethane	3.69	63	1538	0.495	ug/l #	81
25) 2-Butanone	4.67	43	3315	2.264	ug/l	91
26) 2,2-Dichloropropane	4.56	77	1207	0.462	ug/l	82
27) cis-1,2-Dichloroethene	4.58	96	1082	0.541	ug/l	71
29) Tetrahydrofuran	5.12	42	2418	2.684	ug/l	89
30) Chloroform	5.19	83	2023	0.634	ug/l	89
31) Cyclohexane	5.56	56	1477	0.508	ug/l #	81
32) 1,1,1-Trichloroethane	5.50	97	1296	0.480	ug/l #	47
36) 1,1-Dichloropropene	5.79	75	1260	0.529	ug/l	87
37) Ethyl Acetate	4.83	43	826	0.310	ug/l #	89
38) Carbon Tetrachloride	5.78	117	1271	0.548	ug/l #	77
39) Methylcyclohexane	7.46	83	1459	0.505	ug/l #	86

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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)
40) Benzene	6.13	78	3712	0.527	ug/l	99
41) Methacrylonitrile	5.05	41	651	0.444	ug/l #	90
42) 1,2-Dichloroethane	6.18	62	1581	0.626	ug/l	82
43) Isopropyl Acetate	6.45	43	1857	0.434	ug/l	95
44) Trichloroethene	7.20	130	1050	0.538	ug/l	96
45) 1,2-Dichloropropane	7.51	63	968	0.539	ug/l #	21
46) Dibromomethane	7.66	93	572	0.478	ug/l #	83
47) Bromodichloromethane	7.89	83	1107	0.474	ug/l #	67
48) Methyl methacrylate	7.77	41	1034	0.496	ug/l #	83
49) 1,4-Dioxane	7.75	88	521	44.070	ug/l #	89
51) 4-Methyl-2-Pentanone	8.64	43	6179	2.317	ug/l	97
52) Toluene	8.78	92	2329	0.517	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	1089	2.527	ug/l	94
54) cis-1,3-Dichloropropene	8.44	75	1232	0.429	ug/l #	84
55) 1,1,2-Trichloroethane	9.21	97	1067	0.599	ug/l #	88
56) Ethyl methacrylate	9.18	69	1171	2.185	ug/l #	88
57) 1,3-Dichloropropane	9.37	76	1544	0.501	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.31	63	2248	1.717	ug/l	97
59) 2-Hexanone	9.49	43	4552	2.192	ug/l	95
60) Dibromochloromethane	9.58	129	722	2.207	ug/l	92
61) 1,2-Dibromoethane	9.67	107	846	0.451	ug/l	98
64) Tetrachloroethene	9.33	164	842	0.506	ug/l #	78
65) Chlorobenzene	10.13	112	2377	0.499	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.21	131	777	0.470	ug/l #	57
67) Ethyl Benzene	10.25	91	4209	0.497	ug/l #	88
68) m/p-Xylenes	10.35	106	2878	0.910	ug/l	89
69) o-Xylene	10.69	106	1455	0.472	ug/l	98
70) Stvrene	10.71	104	2192	0.418	ug/l	90
71) Bromoform	10.85	173	461	3.440	ug/l #	77
73) Isopropylbenzene	11.02	105	3858	0.508	ug/l	98
74) N-amyl acetate	10.90	43	1502	0.459	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.27	83	1238	0.490	ug/l	93
76) 1,2,3-Trichloropropane	11.13	75	54061	23.575	ug/l #	32
77) Bromobenzene	11.25	156	954	0.533	ug/l	88
78) n-propylbenzene	11.35	91	4120	0.493	ug/l	99
79) 2-Chlorotoluene	11.42	91	2766	0.526	ug/l	94
80) 1,3,5-Trimethylbenzene	11.50	105	3272	0.516	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.13	75	54061	59.755	ug/l #	10
82) 4-Chlorotoluene	11.51	91	3070	0.510	ug/l	99
83) tert-Butylbenzene	11.77	119	3073	0.496	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	2960	0.460	ug/l	97
85) sec-Butylbenzene	11.94	105	3314	0.462	ug/l	100
86) p-Isopropyltoluene	12.06	119	2952	0.444	ug/l	91
87) 1,3-Dichlorobenzene	12.03	146	1616	0.486	ug/l	92
88) 1,4-Dichlorobenzene	12.03	146	1616	0.480	ug/l	93
89) n-Butylbenzene	12.39	91	2266	0.405	ug/l	95
90) Hexachloroethane	12.59	117	433	2.455	ug/l	89
91) 1,2-Dichlorobenzene	12.39	146	1652	0.507	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.01	75	244	0.412	ug/l	82
93) 1,2,4-Trichlorobenzene	13.64	180	871	0.426	ug/l	89

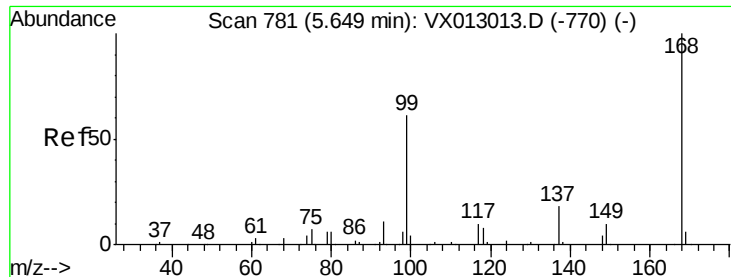
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101519\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	405	0.430	ug/l	92
95) Naphthalene	13.84	128	2526	0.357	ug/l	96
96) 1,2,3-Trichlorobenzene	14.01	180	1006	0.477	ug/l	91

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX013075.D

Acq: 15 Oct 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

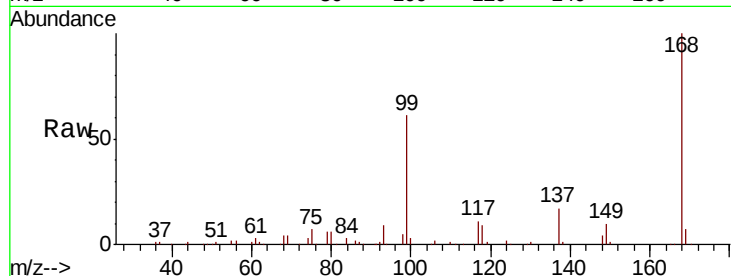
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion:168 Resp: 160202

Ion Ratio Lower Upper

168 100

99 61.1 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

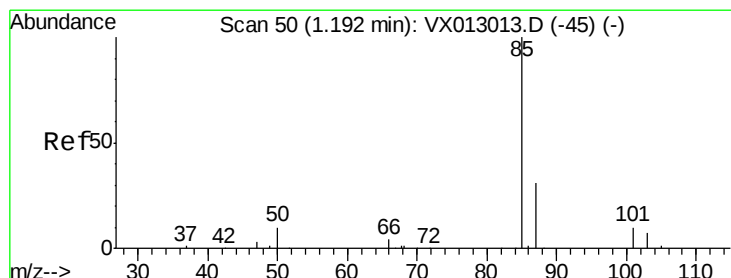
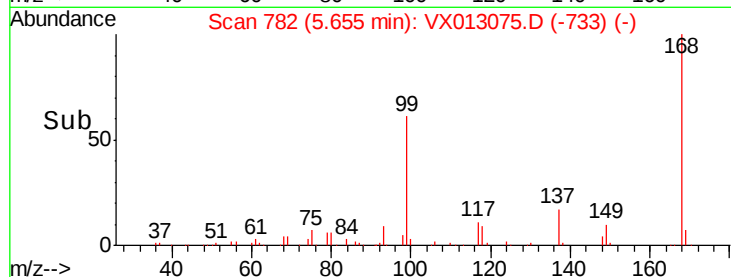
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: 0.522 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX013075.D

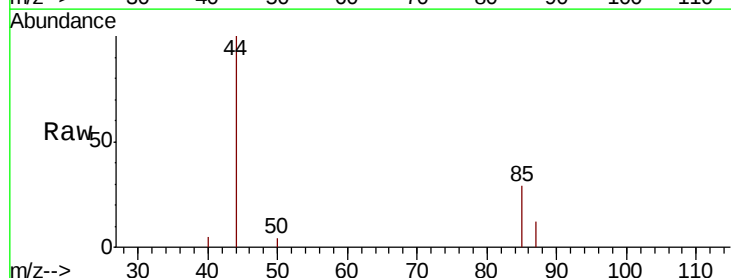
Acq: 15 Oct 2019 14:07

Tgt Ion: 85 Resp: 853

Ion Ratio Lower Upper

85 100

87 43.8 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

800

600

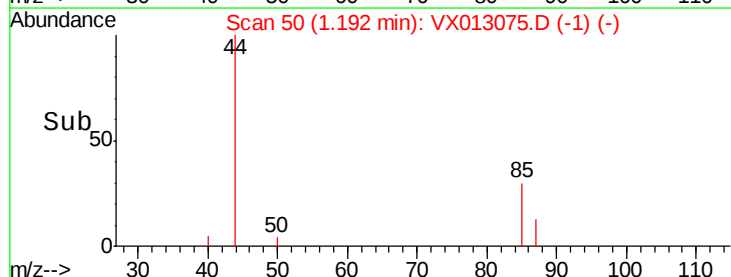
400

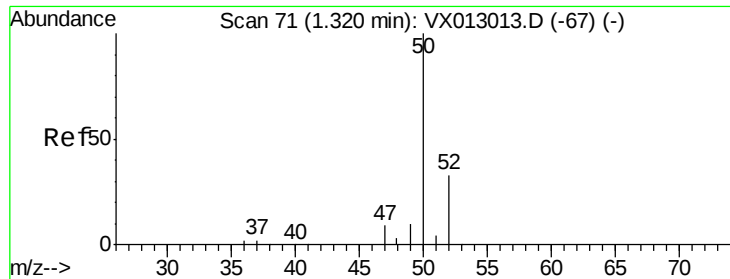
200

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 0.540 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX013075.D

Acq: 15 Oct 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

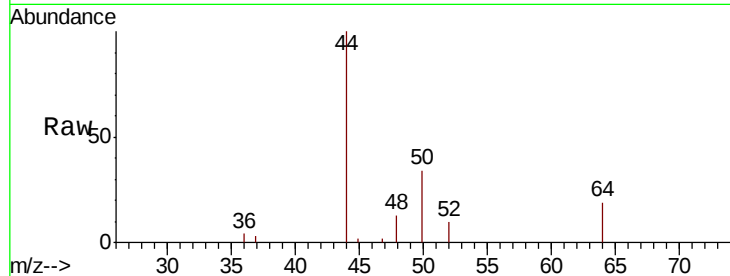
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 50 Resp: 959

Ion Ratio Lower Upper

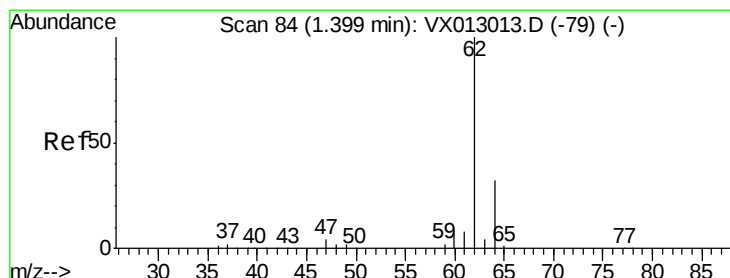
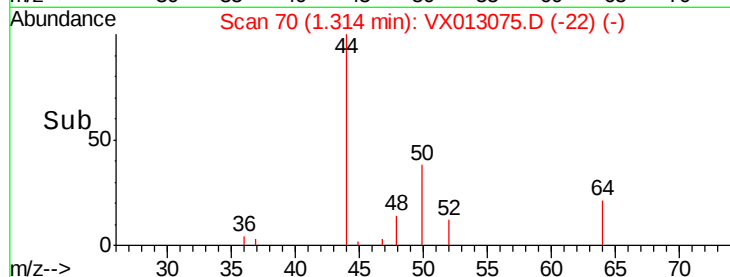
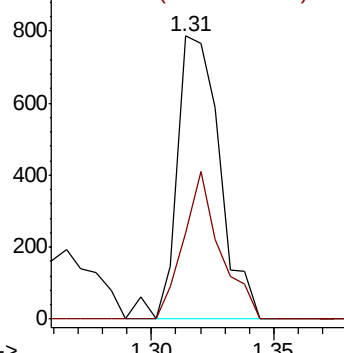
50 100

52 30.4 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 0.463 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013075.D

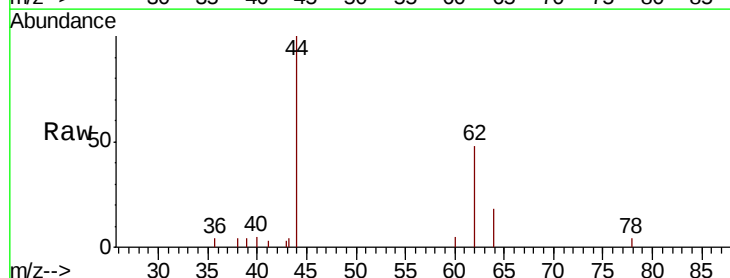
Acq: 15 Oct 2019 14:07

Tgt Ion: 62 Resp: 850

Ion Ratio Lower Upper

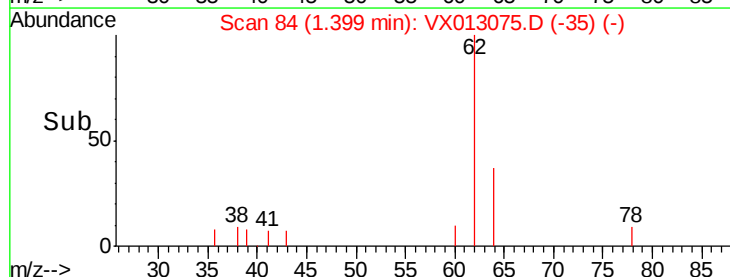
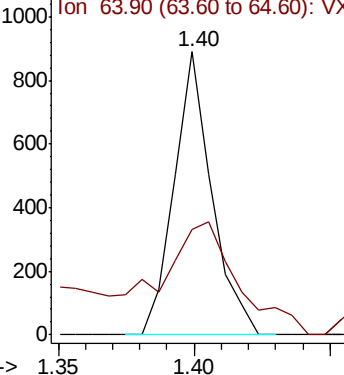
62 100

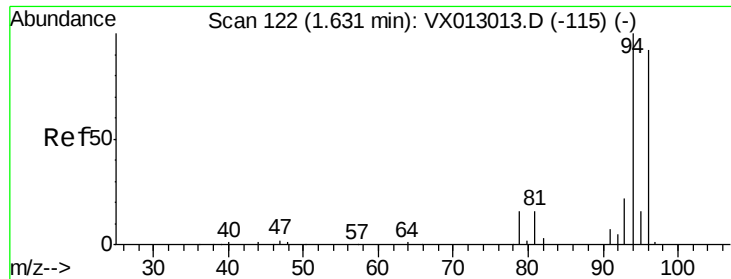
64 27.3 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 1.158 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013075.D

Acq: 15 Oct 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

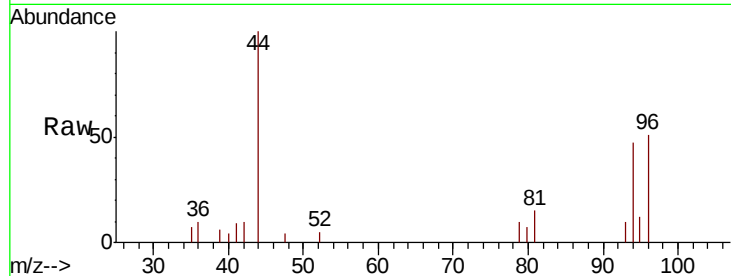
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 94 Resp: 883

Ion Ratio Lower Upper

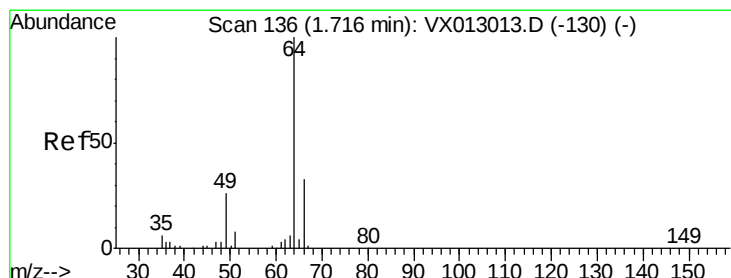
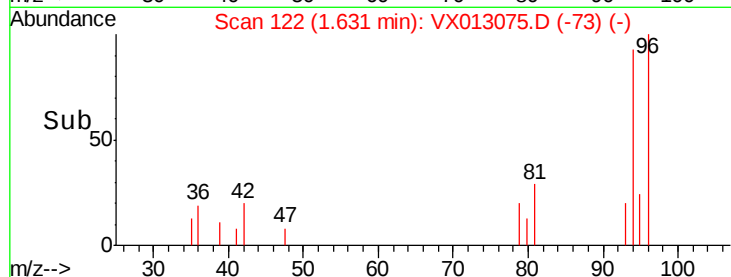
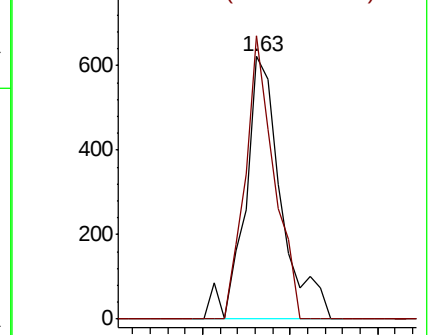
94 100

96 107.9 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.221 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013075.D

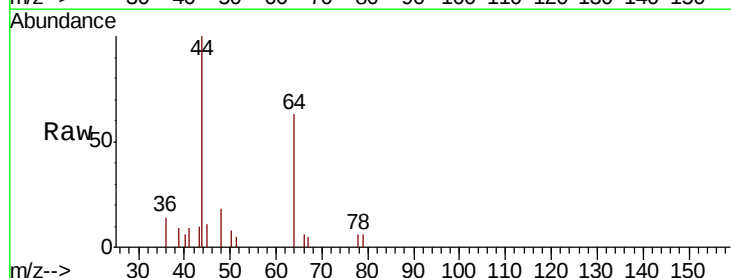
Acq: 15 Oct 2019 14:07

Tgt Ion: 64 Resp: 963

Ion Ratio Lower Upper

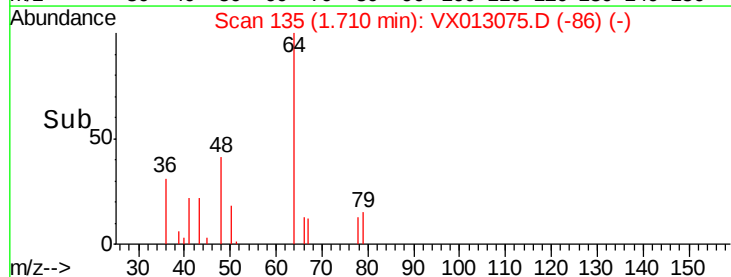
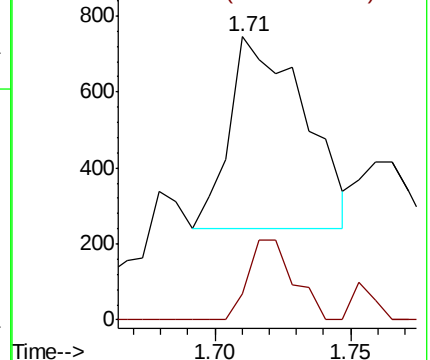
64 100

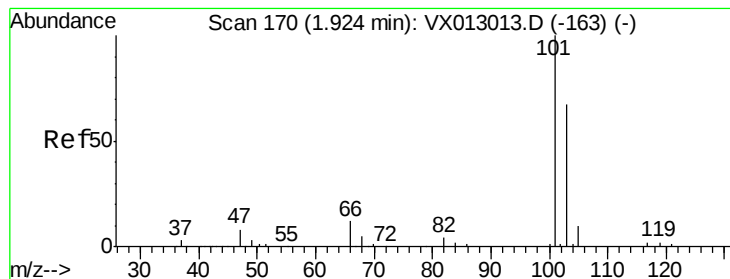
66 13.7 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



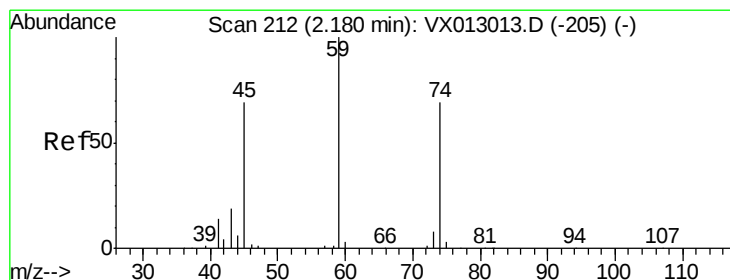
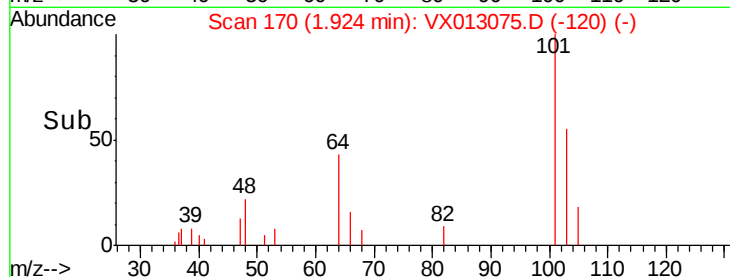
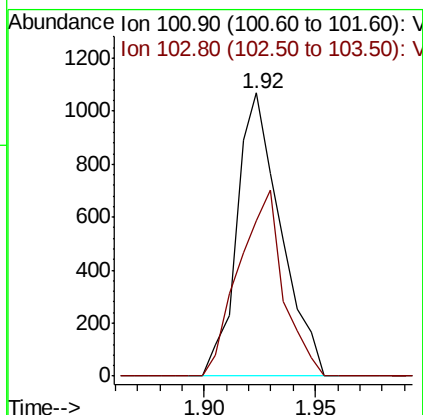
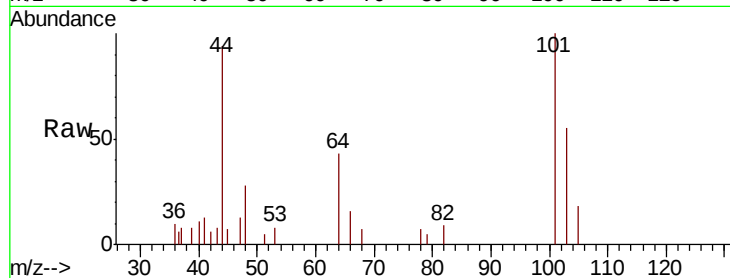


#7

Trichlorofluoromethane
 Concen: 0.592 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX013075.D
 Acq: 15 Oct 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019DL

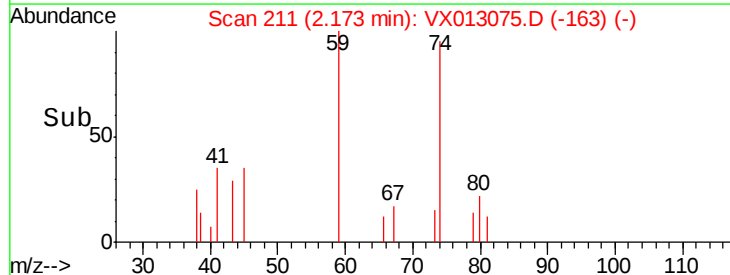
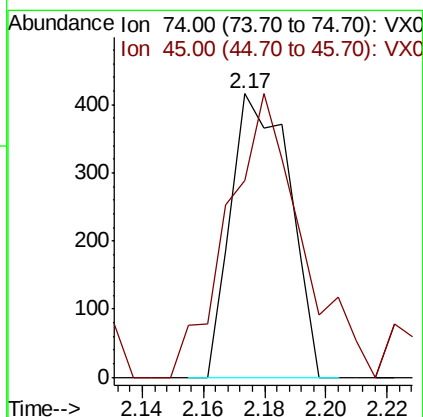
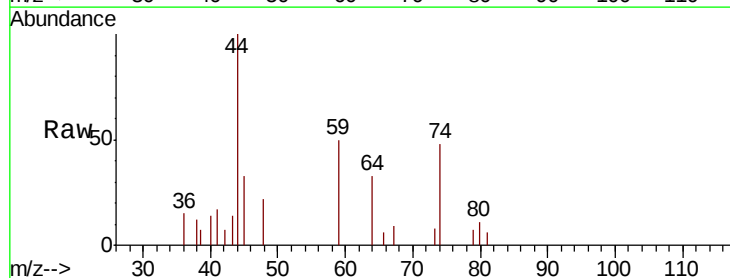
Tot Ion:101 Resp: 1466
 Ion Ratio Lower Upper
 101 100
 103 55.1 52.5 78.7

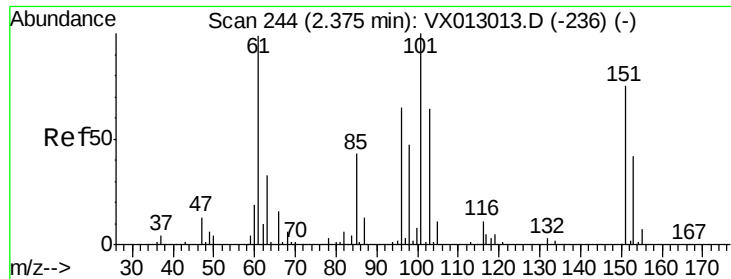


#8

Diethyl Ether
 Concen: 0.552 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX013075.D
 Acq: 15 Oct 2019 14:07

Tgt Ion: 74 Resp: 552
 Ion Ratio Lower Upper
 74 100
 45 126.1 47.8 143.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.507 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013075.D

Acq: 15 Oct 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

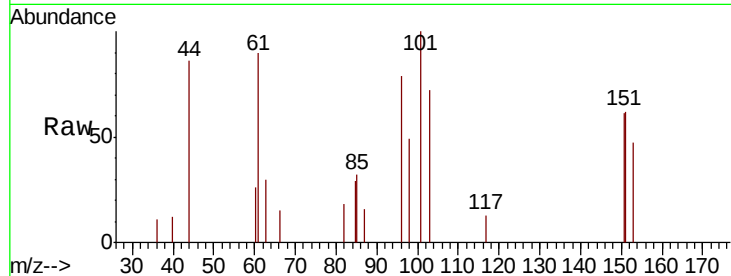
Tot Ion:101 Resp: 812

Ion Ratio Lower Upper

101 100

85 37.1 35.2 52.8

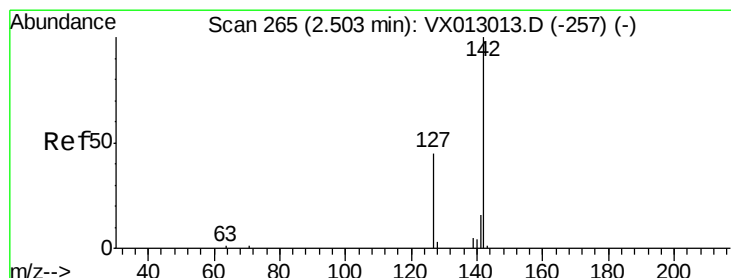
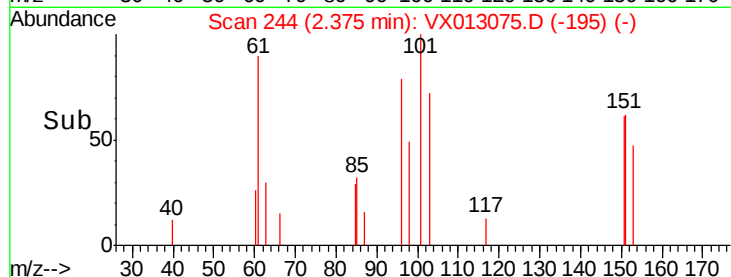
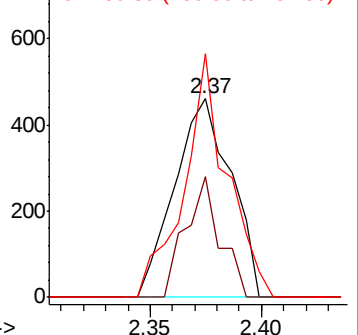
151 93.1 60.3 90.5#



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: 5.534 ug/l

RT: 2.50 min Scan# 264

Delta R.T. -0.01 min

Lab File: VX013075.D

Acq: 15 Oct 2019 14:07

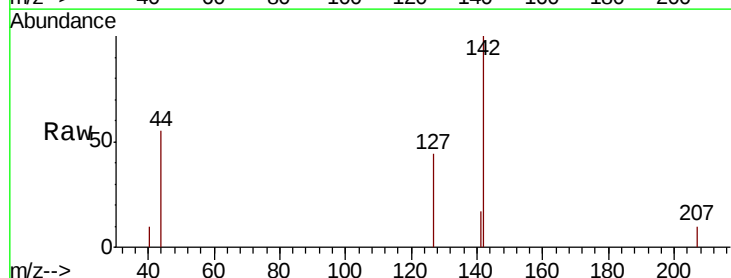
Tgt Ion:142 Resp: 914

Ion Ratio Lower Upper

142 100

127 34.4 34.9 52.3#

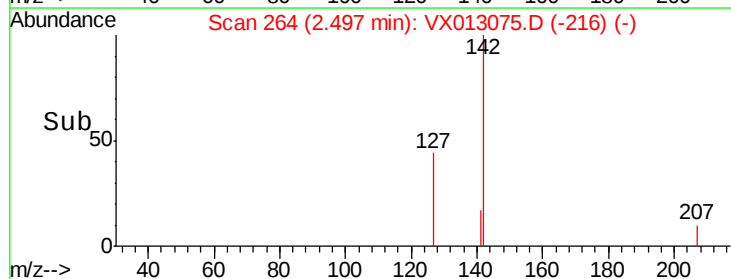
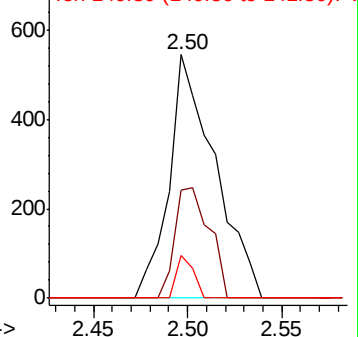
141 6.5 11.6 17.4#

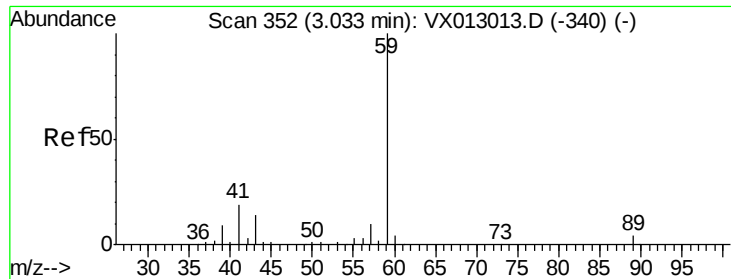


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

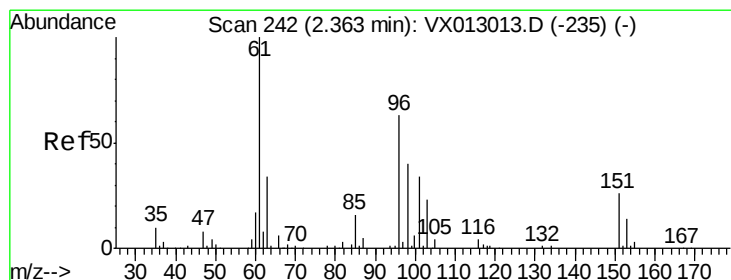
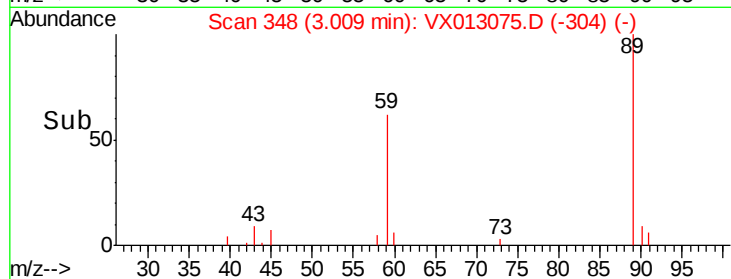
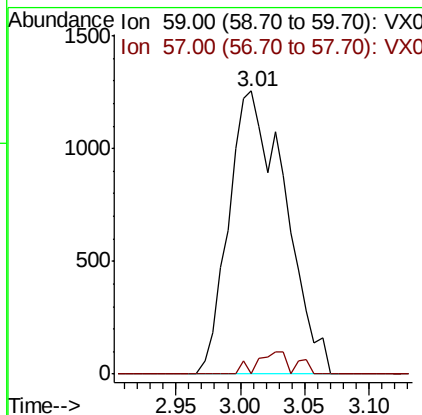
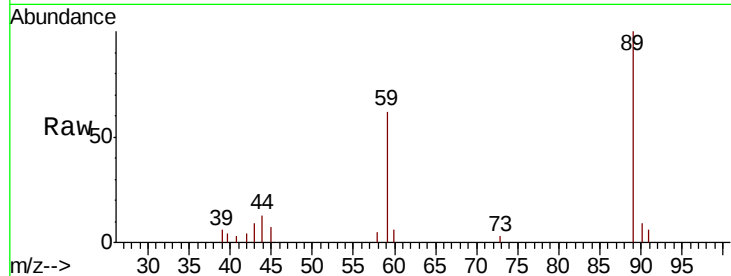




#11
Tert butyl alcohol
Concen: 7.204 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX013075.D
Acq: 15 Oct 2019 14:07

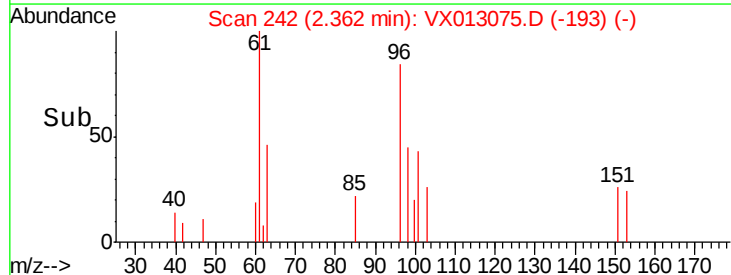
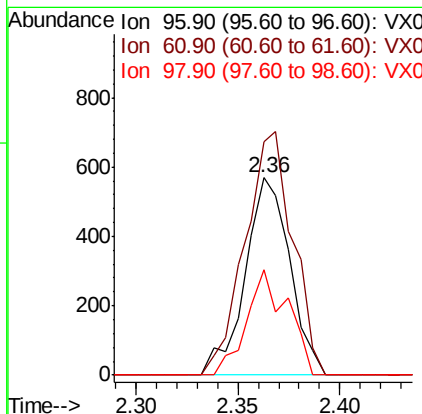
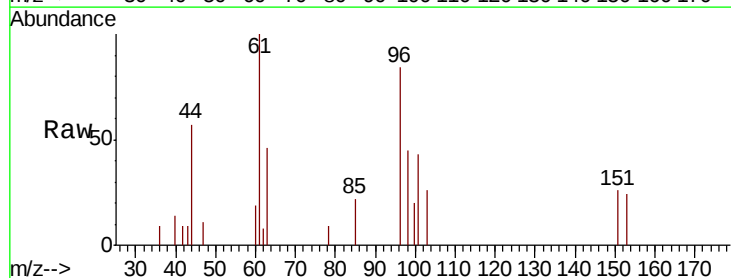
Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

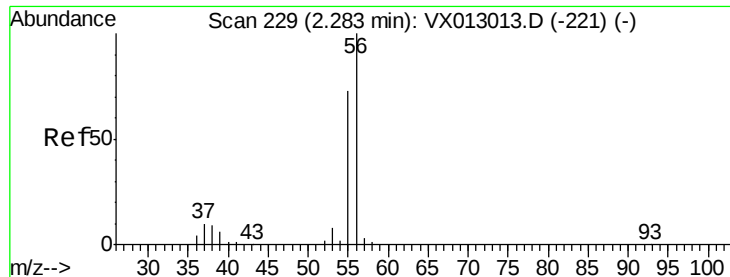
Tot Ion: 59 Resp: 3824
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.537 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX013075.D
Acq: 15 Oct 2019 14:07

Tgt Ion: 96 Resp: 869
Ion Ratio Lower Upper
96 100
61 118.5 132.2 198.4#
98 53.7 50.5 75.7





#13

Acrolein

Concen: 1.893 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX013075.D

Acq: 15 Oct 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

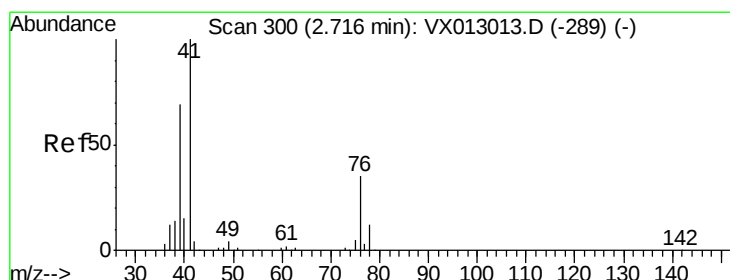
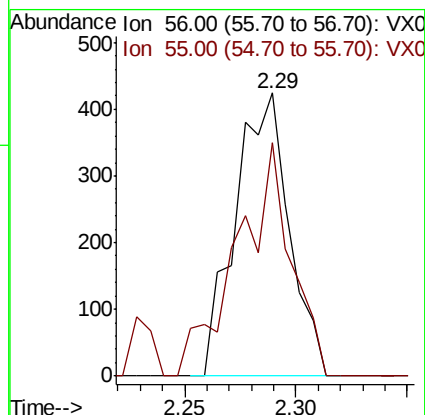
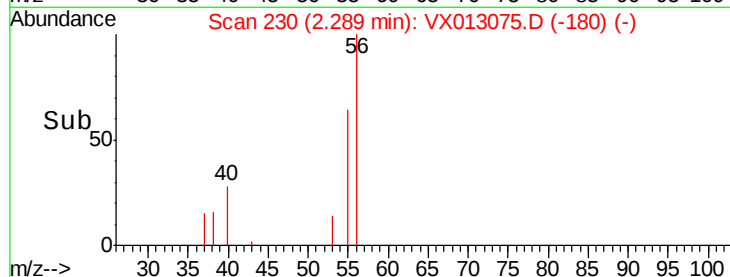
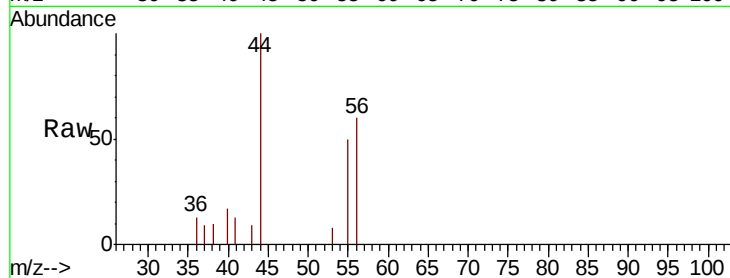
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 56 Resp: 714

Ion Ratio Lower Upper

56 100

55 81.9 56.6 85.0



#14

Allyl chloride

Concen: 0.486 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX013075.D

Acq: 15 Oct 2019 14:07

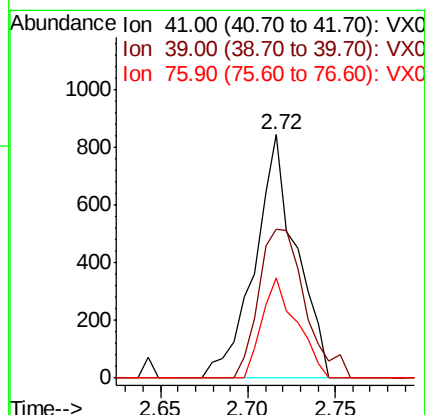
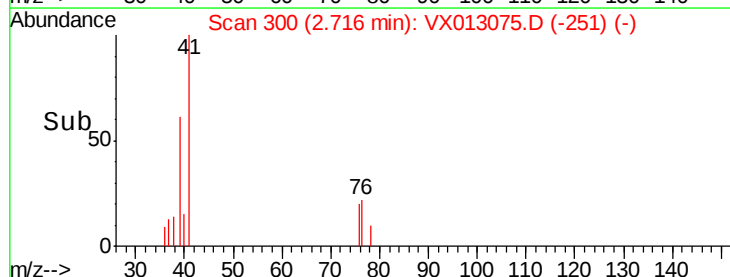
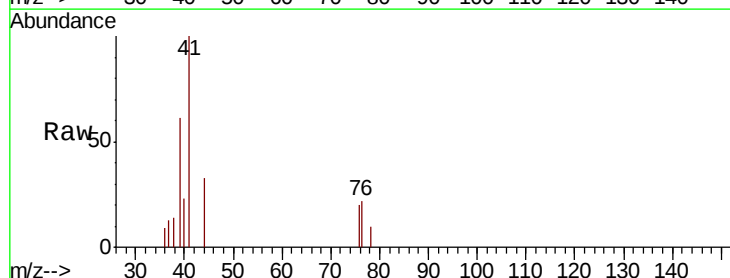
Tgt Ion: 41 Resp: 1401

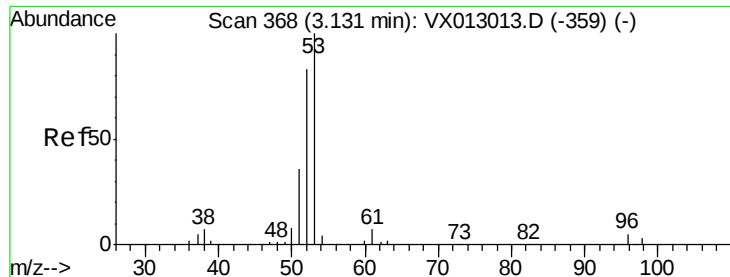
Ion Ratio Lower Upper

41 100

39 68.0 51.0 76.6

76 34.5 26.2 39.4





#15

Acrylonitrile

Concen: 2.403 ug/l

RT: 3.14 min Scan# 369

Delta R.T. -0.00 min

Lab File: VX013075.D

Acq: 15 Oct 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

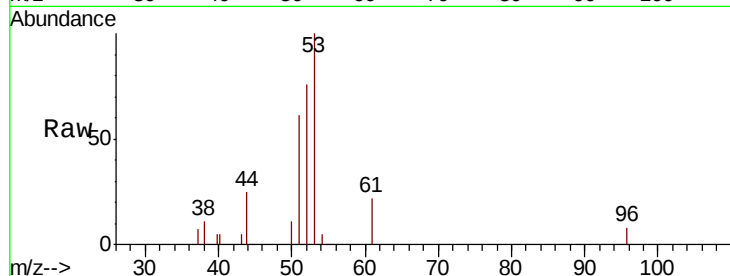
Tot Ion: 53 Resp: 2417

Ion Ratio Lower Upper

53 100

52 87.5 66.2 99.2

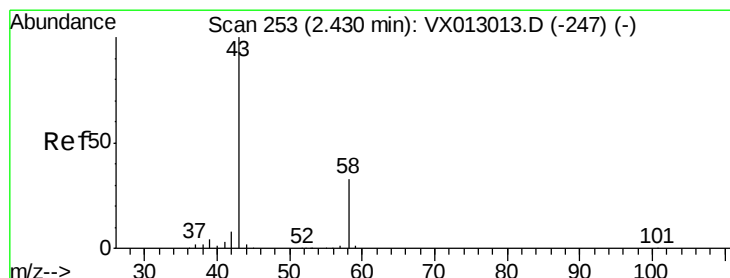
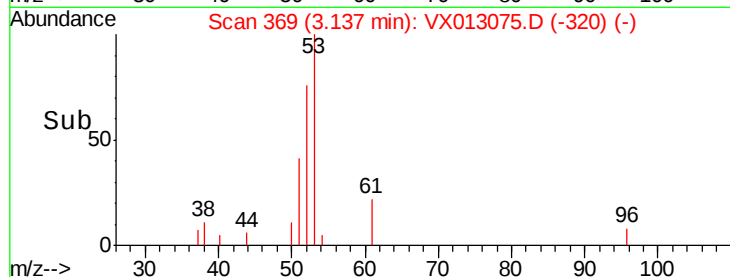
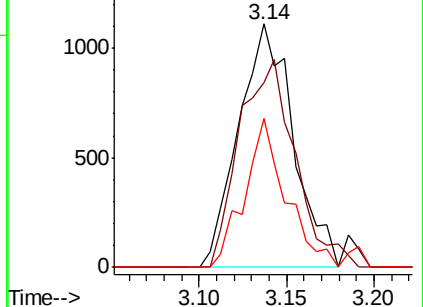
51 46.0 28.2 42.4#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 2.348 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX013075.D

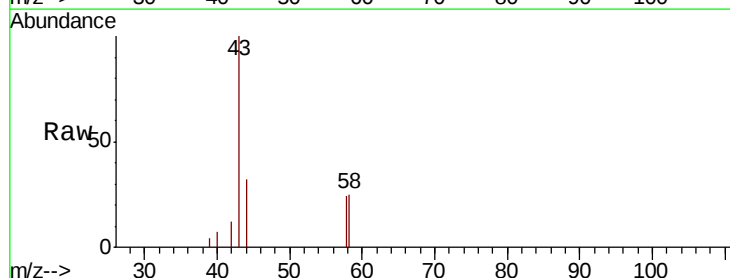
Acq: 15 Oct 2019 14:07

Tgt Ion: 43 Resp: 2478

Ion Ratio Lower Upper

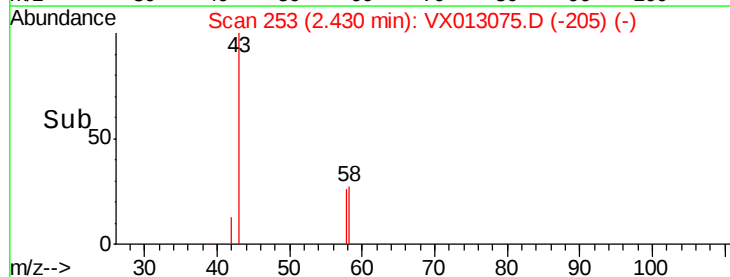
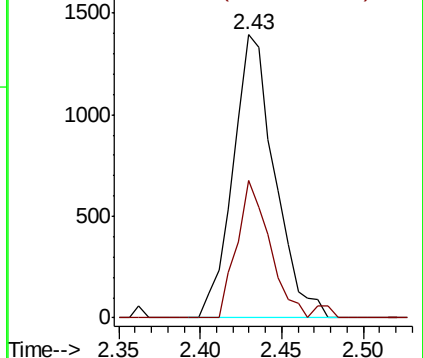
43 100

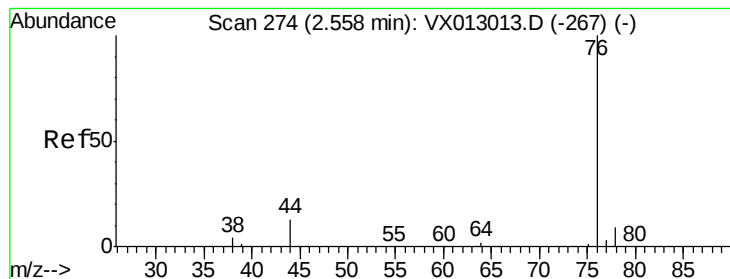
58 48.6 25.4 38.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.468 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.00 min

Lab File: VX013075.D

Acq: 15 Oct 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

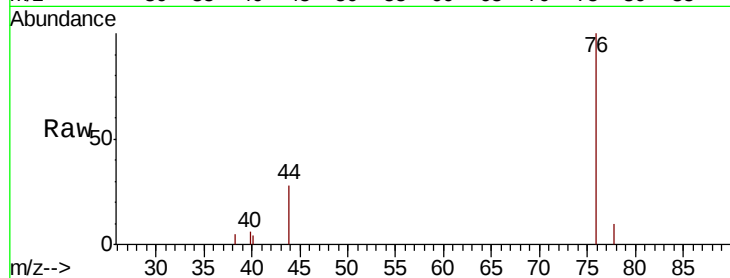
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 76 Resp: 2162

Ion Ratio Lower Upper

76 100

78 10.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

1500

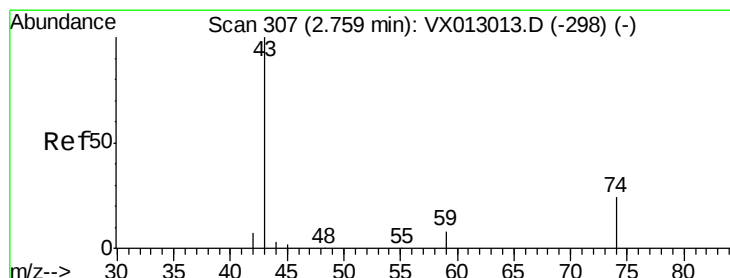
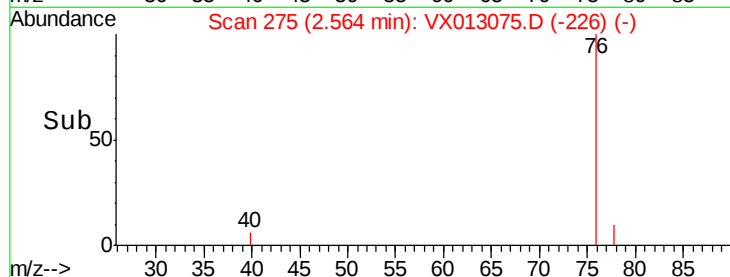
1000

500

0

Time-->

2.50 2.55 2.60



#18

Methyl Acetate

Concen: 0.536 ug/l

RT: 2.76 min Scan# 308

Delta R.T. -0.00 min

Lab File: VX013075.D

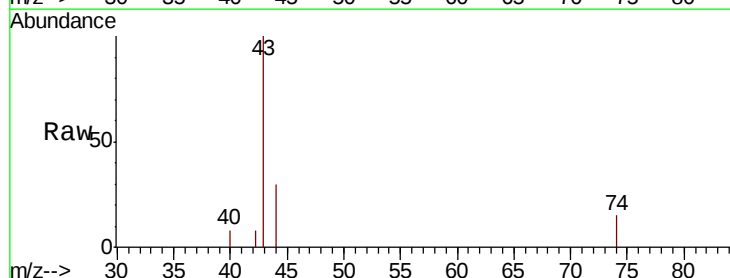
Acq: 15 Oct 2019 14:07

Tgt Ion: 43 Resp: 1340

Ion Ratio Lower Upper

43 100

74 19.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

1000

800

600

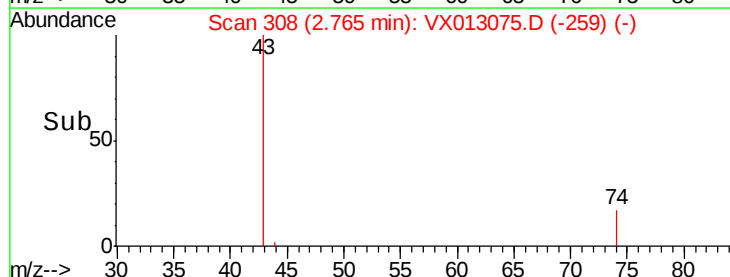
400

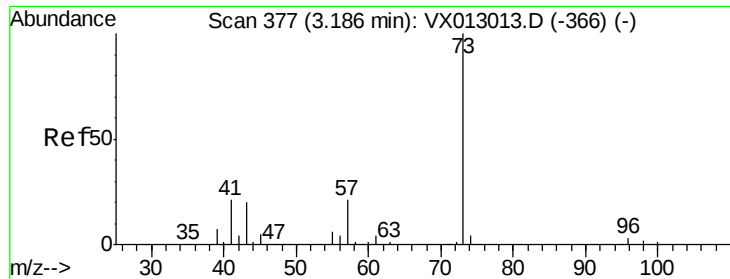
200

0

Time-->

2.70 2.75 2.80



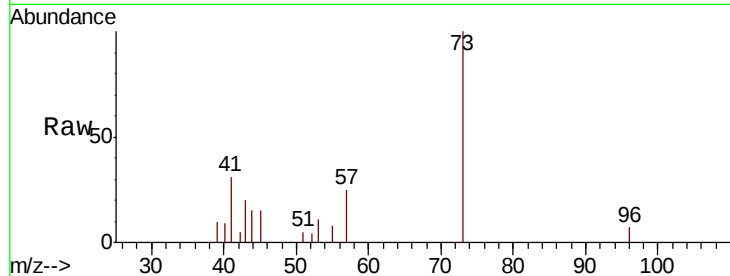


#19

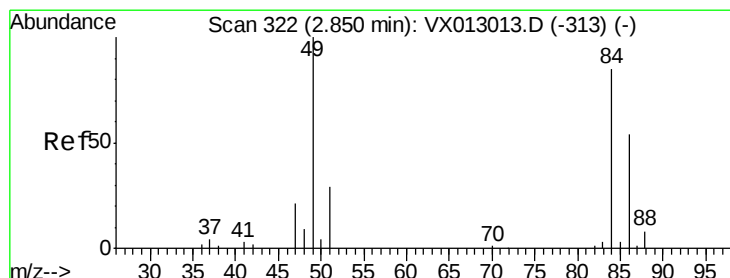
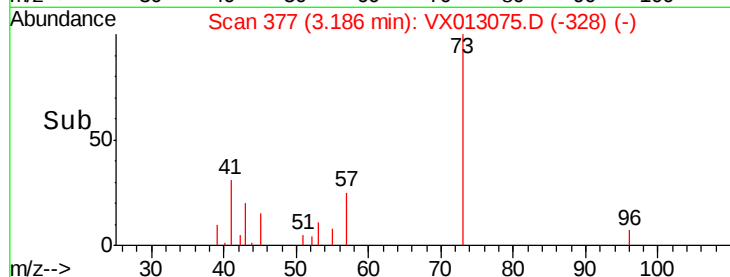
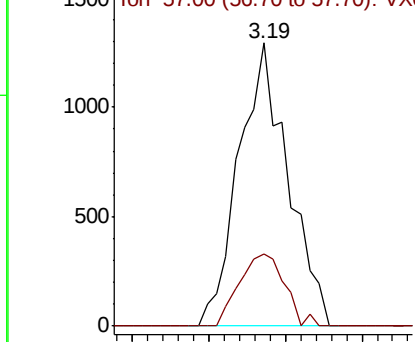
Methyl tert-butyl Ether
 Concen: 0.514 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. -0.00 min
 Lab File: VX013075.D
 Acq: 15 Oct 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 73 Resp: 2876
 Ion Ratio Lower Upper
 73 100
 57 25.4 17.8 26.6



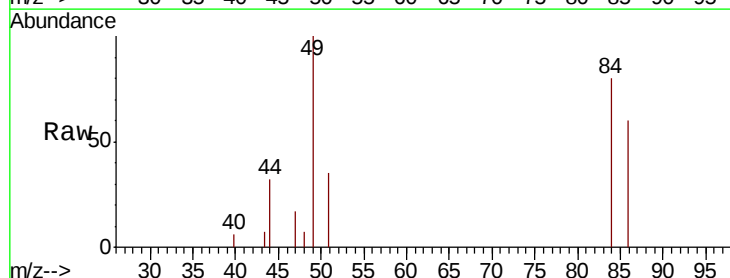
Abundance Ion 73.00 (72.70 to 73.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



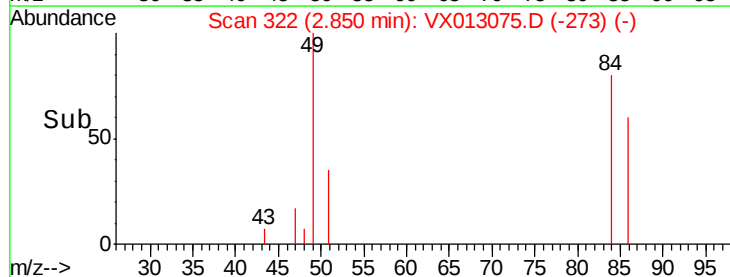
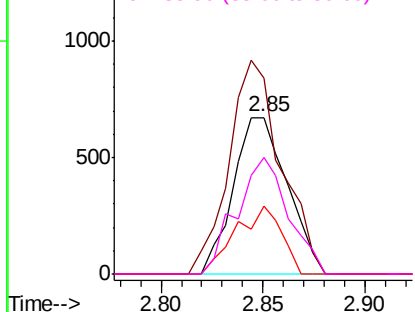
#20

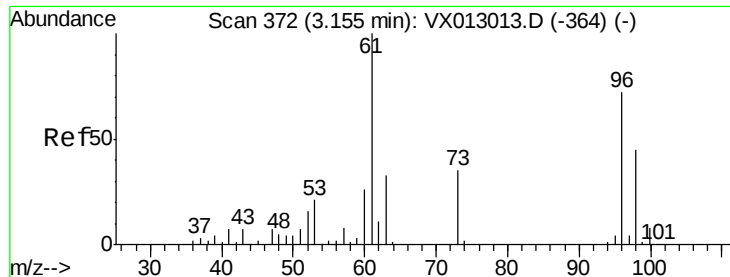
Methylene Chloride
 Concen: 0.636 ug/l
 RT: 2.85 min Scan# 322
 Delta R.T. -0.00 min
 Lab File: VX013075.D
 Acq: 15 Oct 2019 14:07

Tgt Ion: 84 Resp: 1234
 Ion Ratio Lower Upper
 84 100
 49 125.0 96.6 144.8
 51 43.6 30.7 46.1
 86 74.4 51.0 76.6



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: 0.545 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX013075.D

Acq: 15 Oct 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

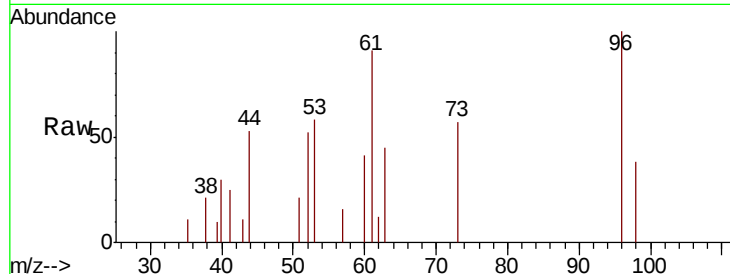
Tot Ion: 96 Resp: 945

Ion Ratio Lower Upper

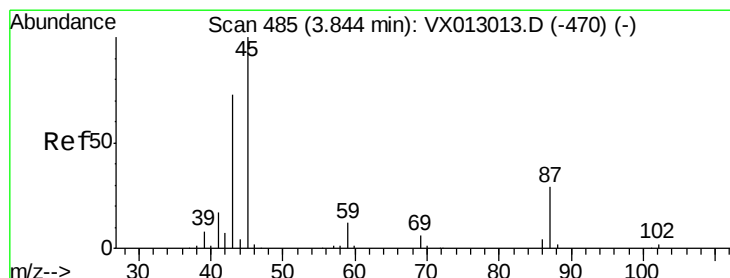
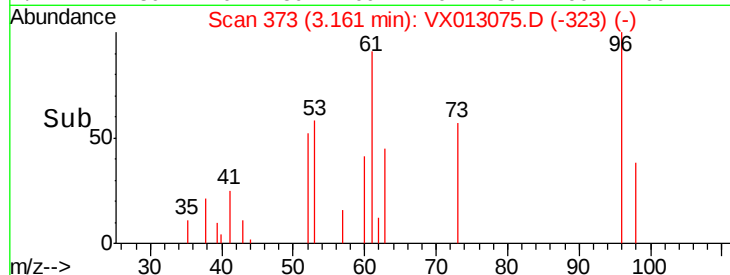
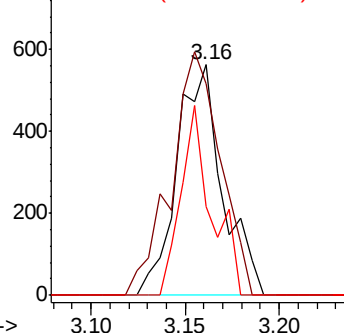
96 100

61 91.5 110.4 165.6#

98 38.2 51.5 77.3#



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: 0.517 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.01 min

Lab File: VX013075.D

Acq: 15 Oct 2019 14:07

Tgt Ion: 45 Resp: 2856

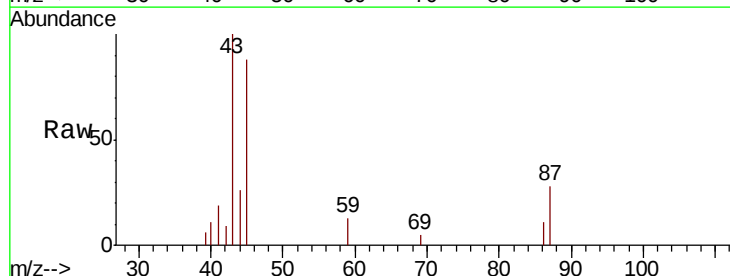
Ion Ratio Lower Upper

45 100

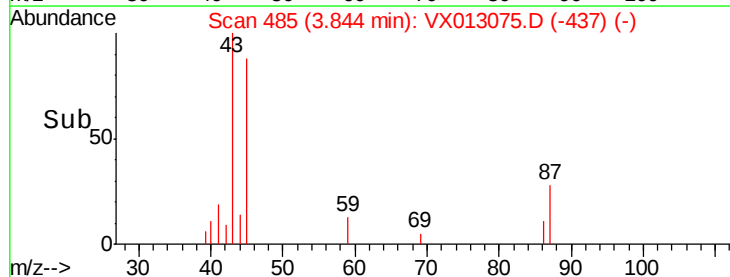
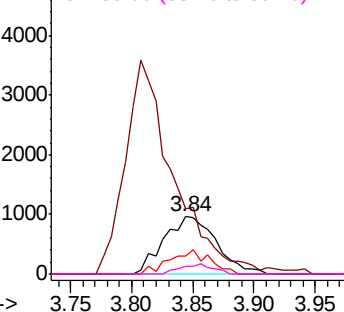
43 104.7 51.4 77.0#

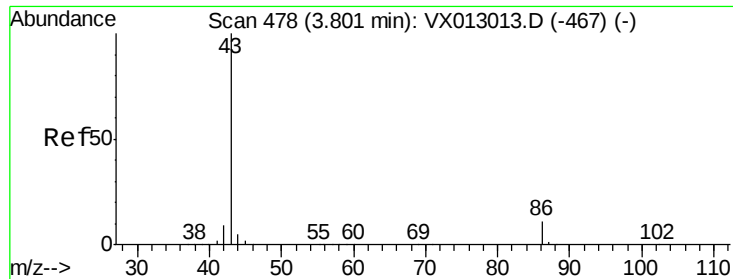
87 31.9 22.5 33.7

59 14.6 9.7 14.5#



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: 2.088 ug/l

RT: 3.81 min Scan# 479

Delta R.T. -0.00 min

Lab File: VX013075.D

Acq: 15 Oct 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

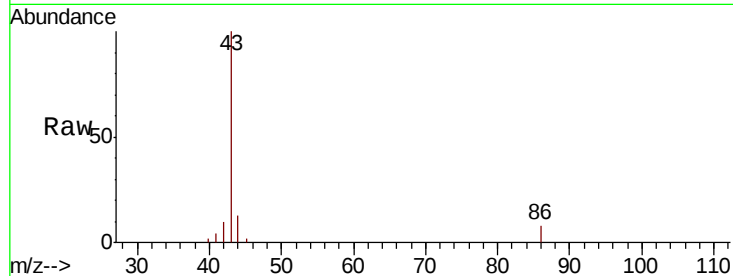
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 43 Resp: 9956

Ion Ratio Lower Upper

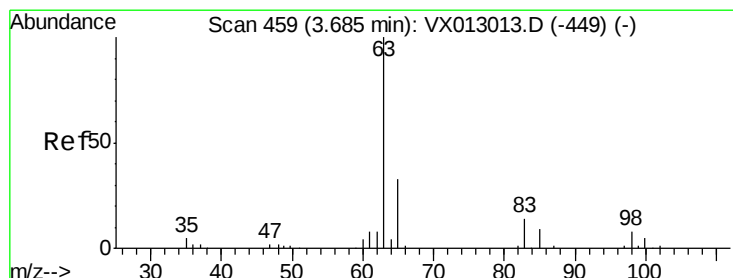
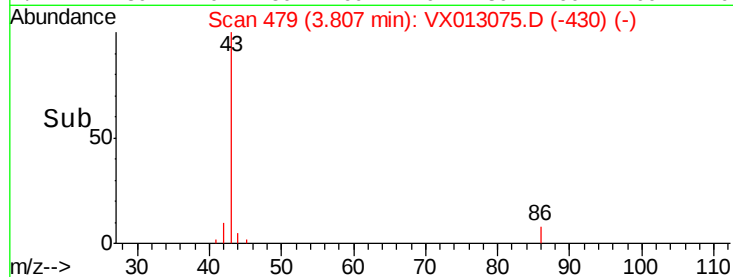
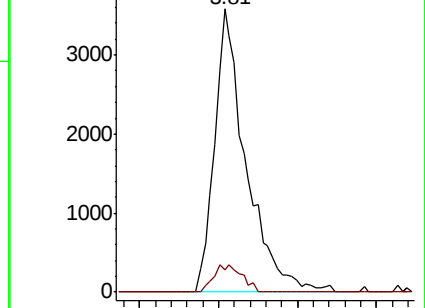
43 100

86 7.9 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 0.495 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013075.D

Acq: 15 Oct 2019 14:07

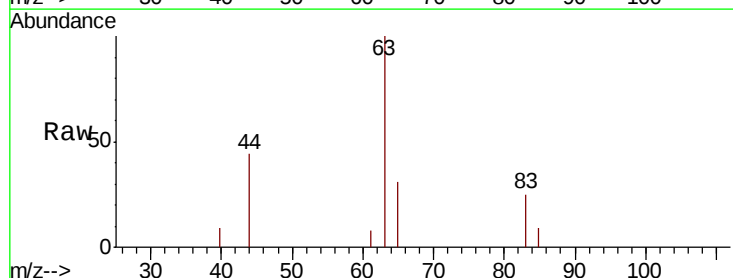
Tgt Ion: 63 Resp: 1538

Ion Ratio Lower Upper

63 100

98 0.0 3.9 11.5#

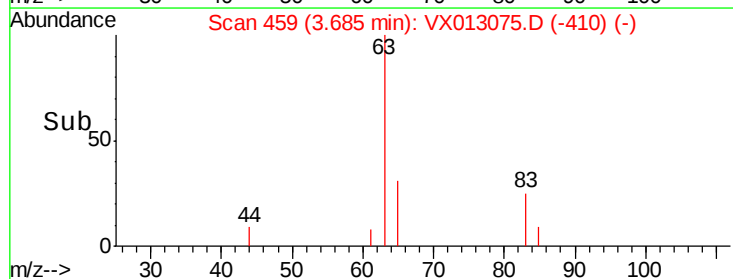
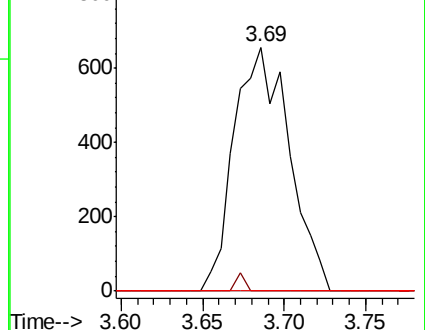
100 0.0 2.3 6.9#

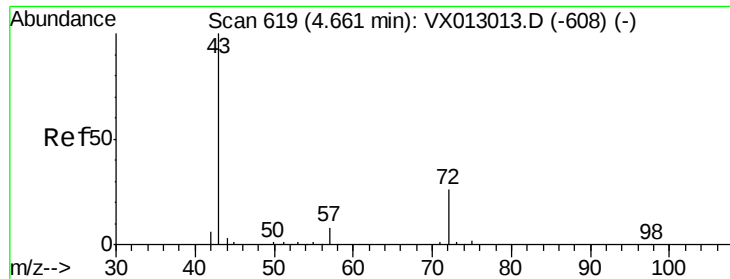


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 2.264 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.01 min

Lab File: VX013075.D

Acq: 15 Oct 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

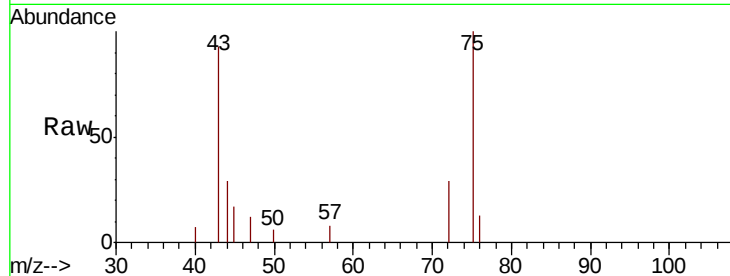
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 43 Resp: 3315

Ion Ratio Lower Upper

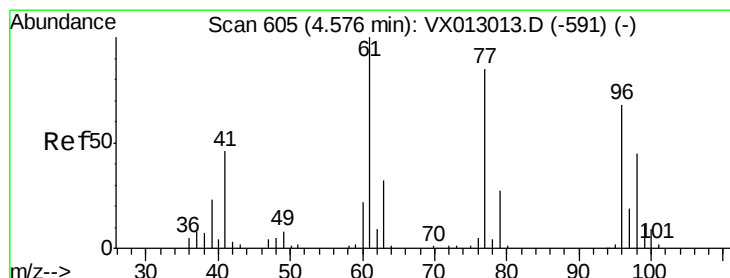
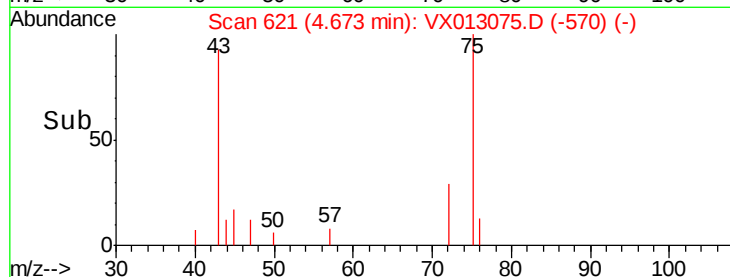
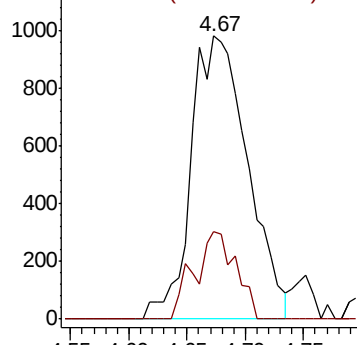
43 100

72 30.8 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 0.462 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX013075.D

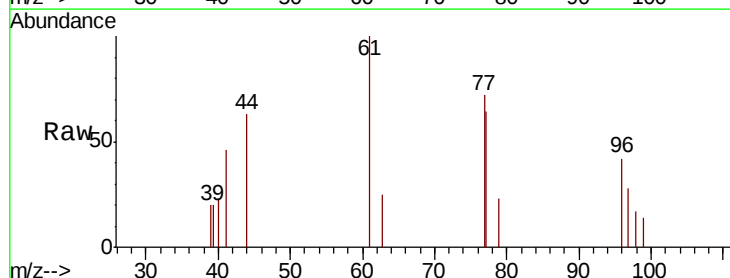
Acq: 15 Oct 2019 14:07

Tgt Ion: 77 Resp: 1207

Ion Ratio Lower Upper

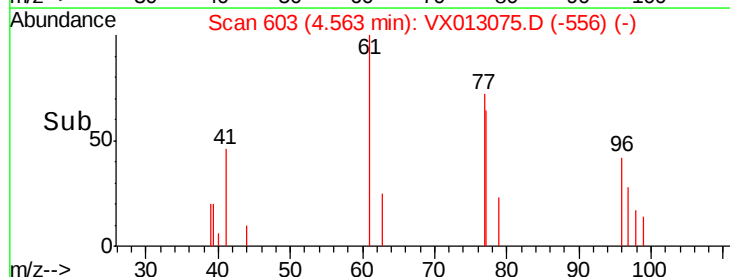
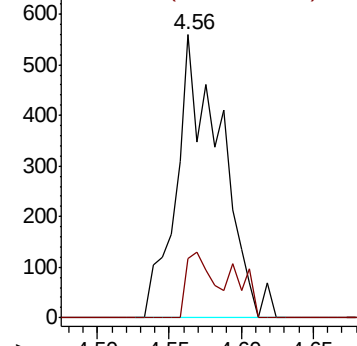
77 100

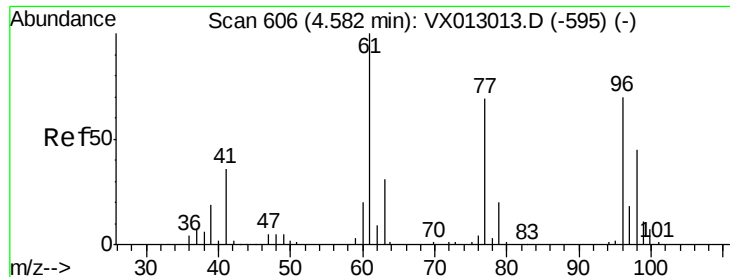
97 13.9 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



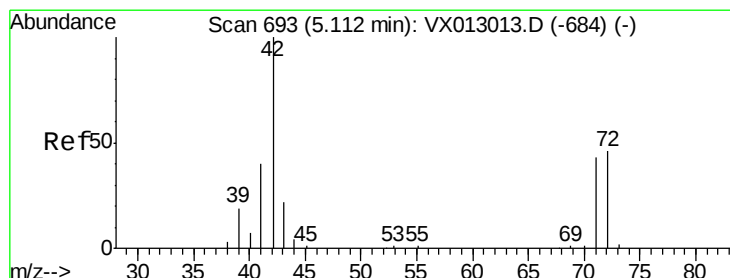
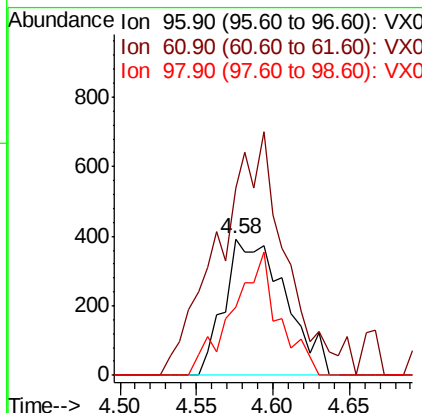
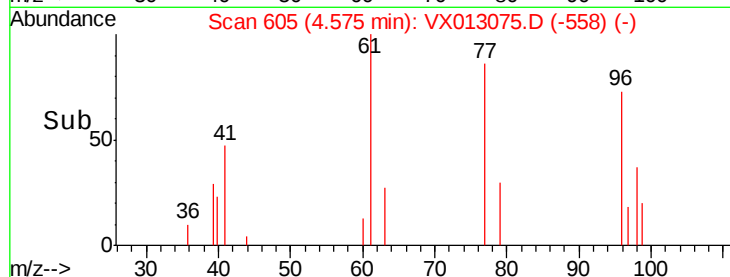
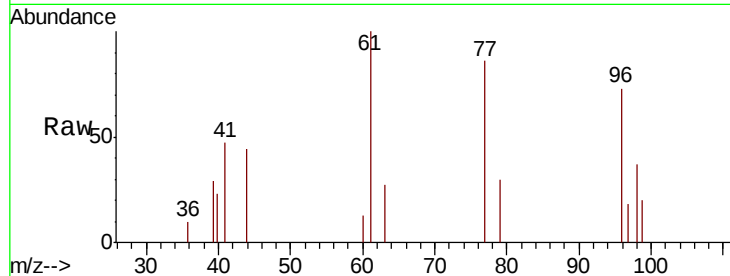


#27

cis-1,2-Dichloroethene
Concen: 0.541 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX013075.D
Acq: 15 Oct 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

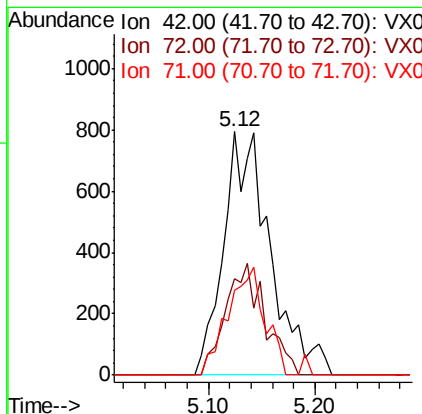
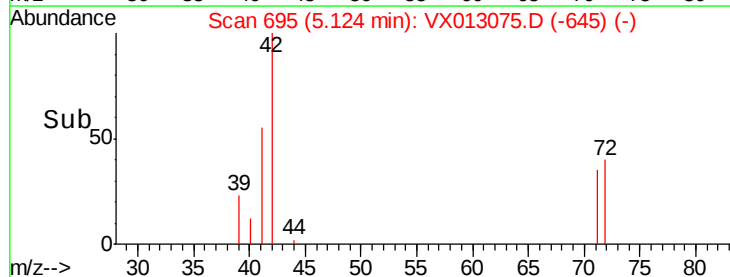
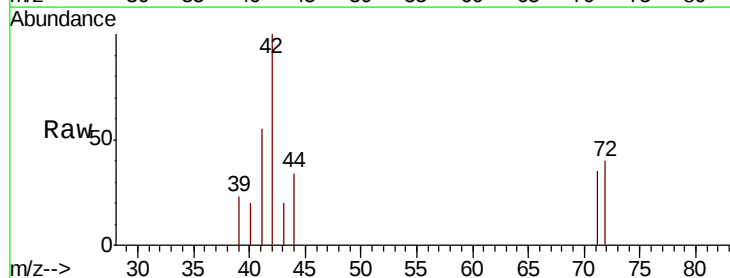
Tot Ion: 96 Resp: 1082
Ion Ratio Lower Upper
96 100
61 193.7 0.0 290.6
98 68.9 0.0 128.8

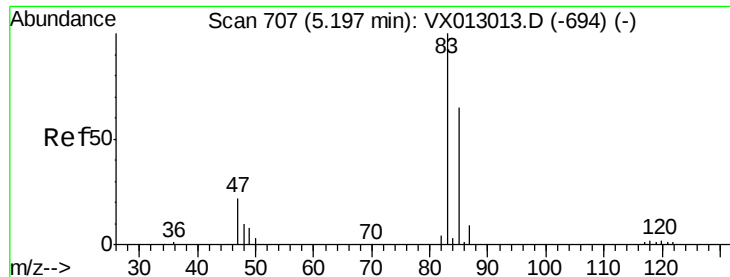


#29

Tetrahydrofuran
Concen: 2.684 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX013075.D
Acq: 15 Oct 2019 14:07

Tgt Ion: 42 Resp: 2418
Ion Ratio Lower Upper
42 100
72 38.8 36.9 55.3
71 35.4 33.5 50.3

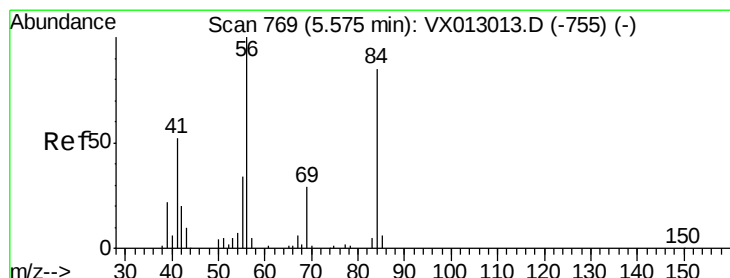
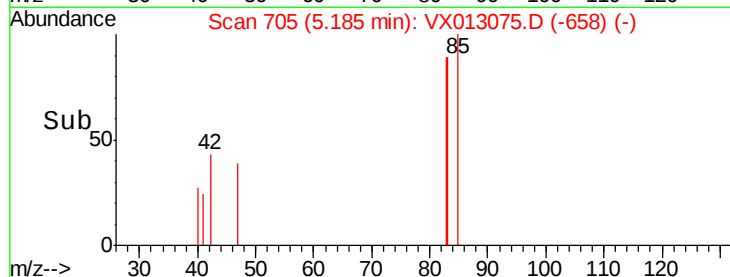
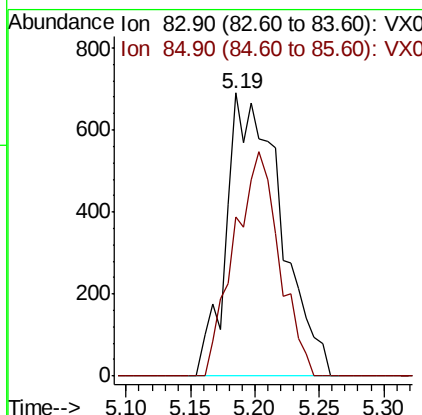
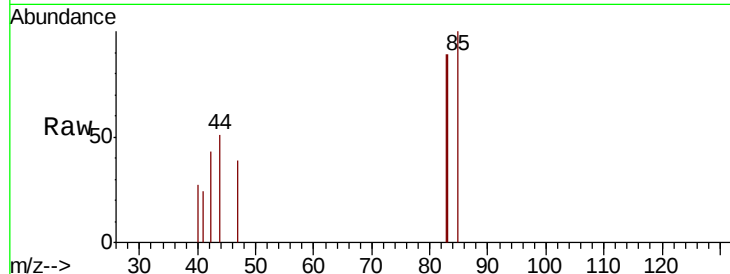




#30
Chloroform
Concen: 0.634 ug/l
RT: 5.19 min Scan# 705
Delta R.T. -0.01 min
Lab File: VX013075.D
Acq: 15 Oct 2019 14:07

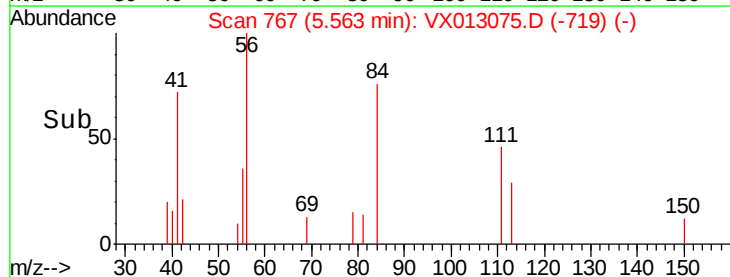
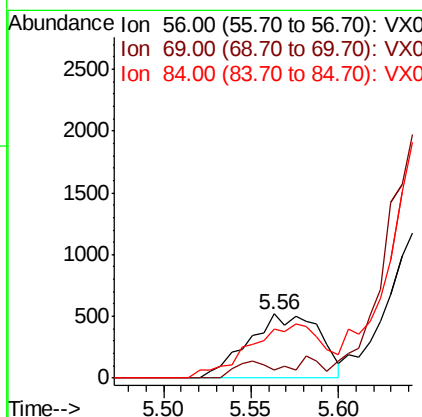
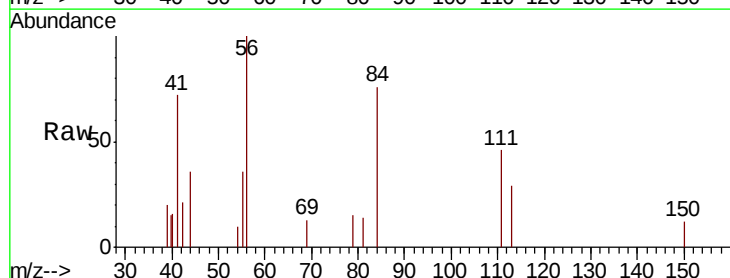
Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

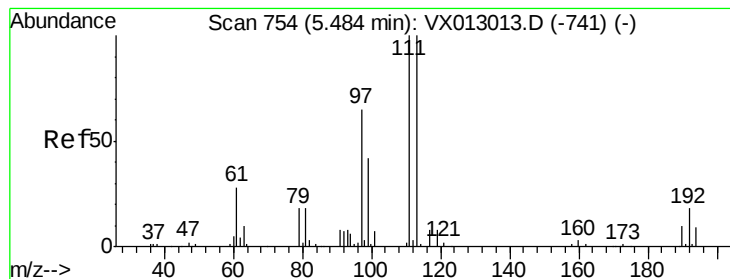
Tot Ion: 83 Resp: 2023
Ion Ratio Lower Upper
83 100
85 56.1 51.5 77.3



#31
Cyclohexane
Concen: 0.508 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX013075.D
Acq: 15 Oct 2019 14:07

Tgt Ion: 56 Resp: 1477
Ion Ratio Lower Upper
56 100
69 13.5 25.2 37.8#
84 76.0 71.3 106.9





#32

1,1,1-Trichloroethane

Concen: 0.480 ug/l

RT: 5.50 min Scan# 756

Delta R.T. 0.01 min

Lab File: VX013075.D

Acq: 15 Oct 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

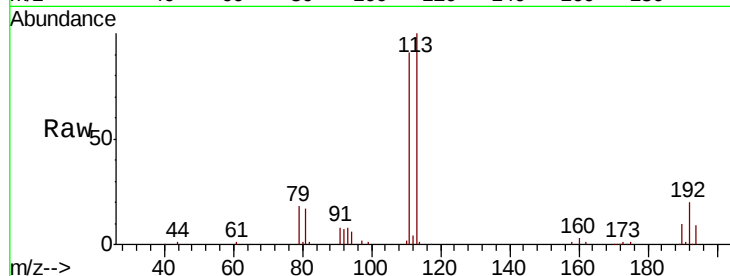
Tot Ion: 97 Resp: 1296

Ion Ratio Lower Upper

97 100

99 0.0 52.3 78.5#

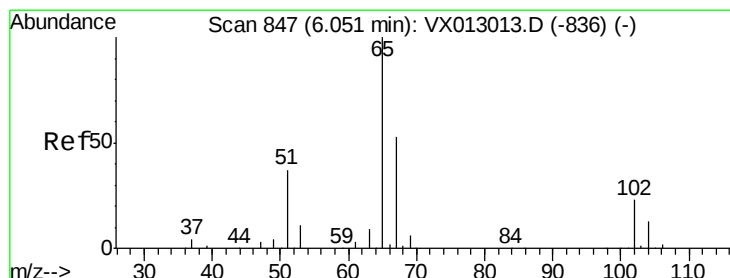
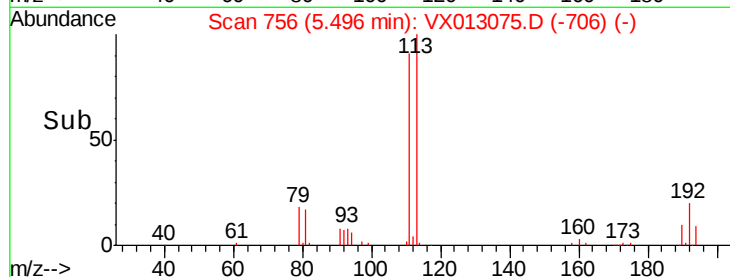
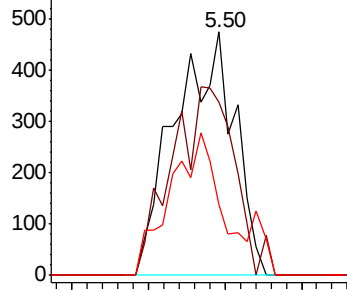
61 49.8 35.0 52.4



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.230 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX013075.D

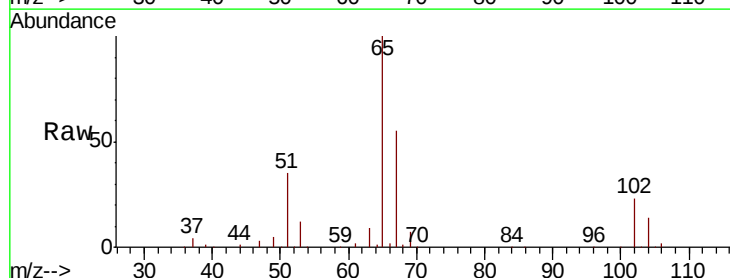
Acq: 15 Oct 2019 14:07

Tgt Ion: 65 Resp: 100576

Ion Ratio Lower Upper

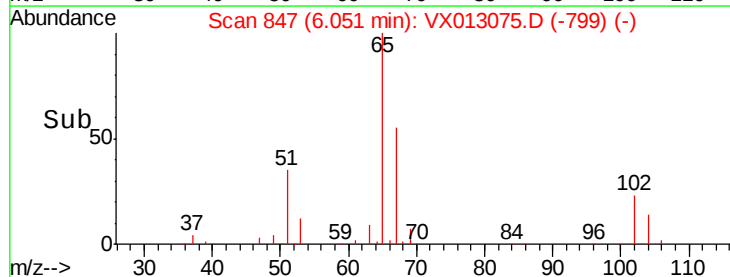
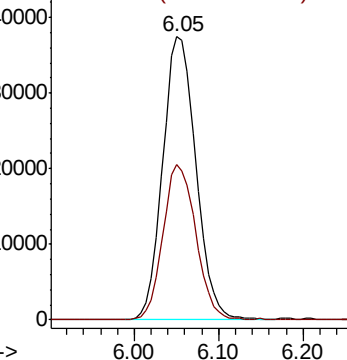
65 100

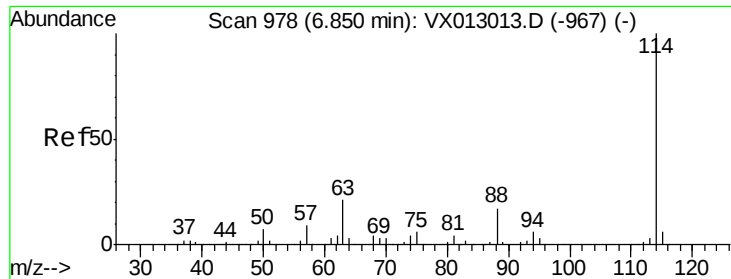
67 54.1 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

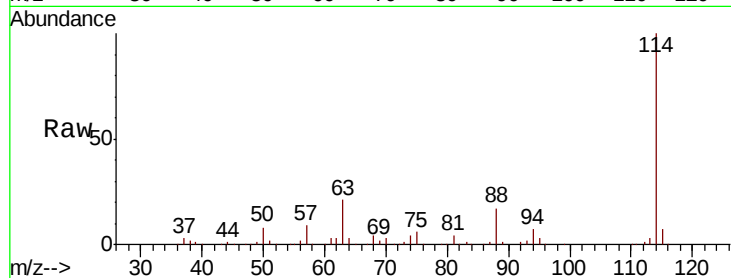




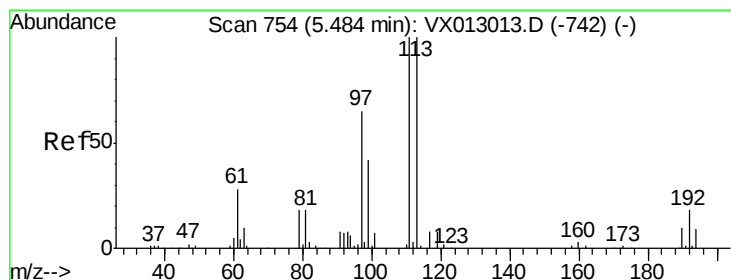
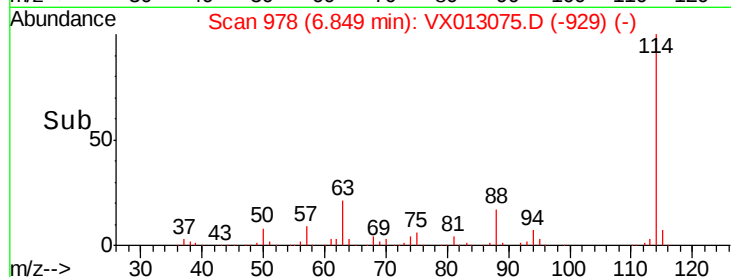
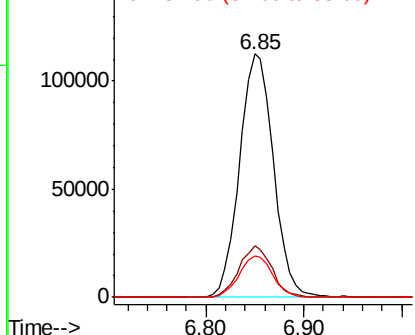
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX013075.D
Acq: 15 Oct 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion:114 Resp: 271122
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.8
88 16.8 0.0 33.8

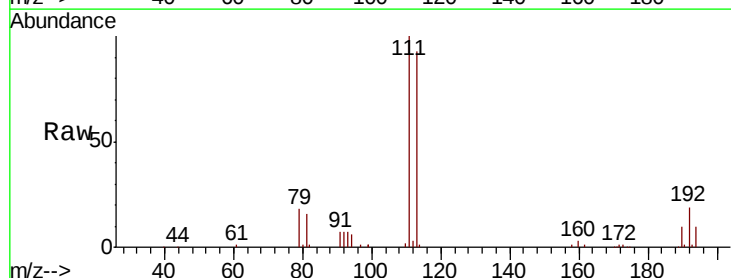


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

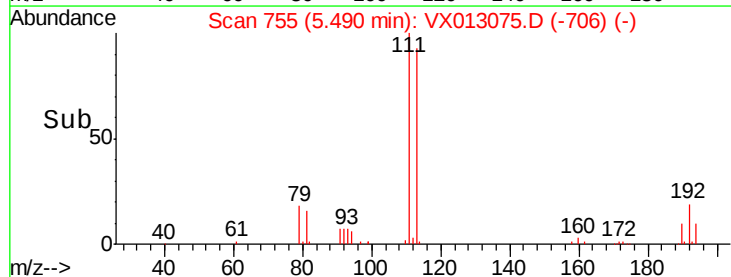
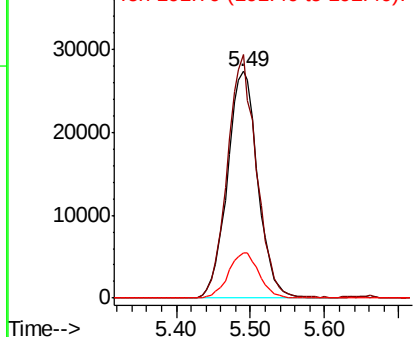


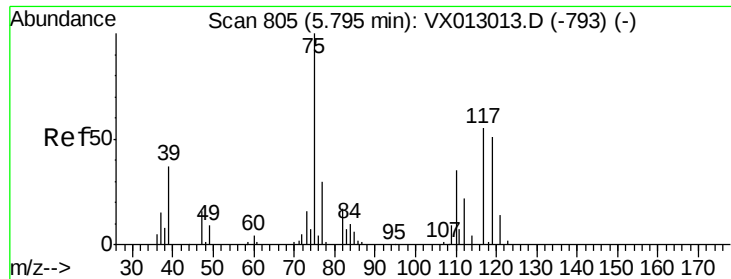
#35
Dibromofluoromethane
Concen: 50.352 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX013075.D
Acq: 15 Oct 2019 14:07

Tgt Ion:113 Resp: 78352
Ion Ratio Lower Upper
113 100
111 102.9 83.2 124.8
192 20.1 15.4 23.2



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

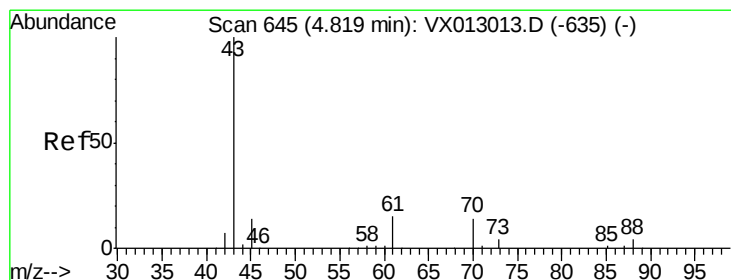
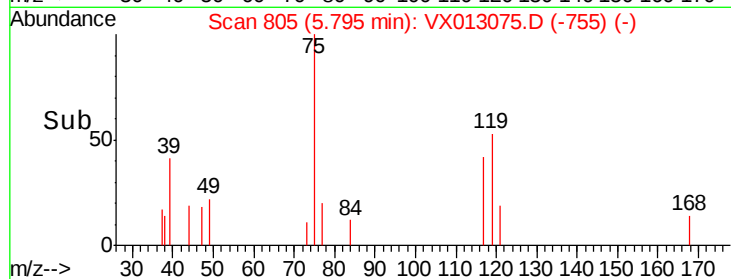
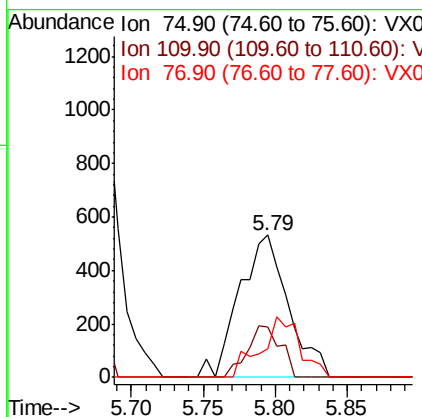
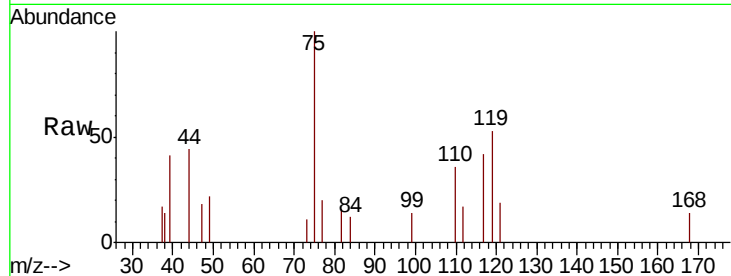




#36
 1,1-Dichloropropene
 Concen: 0.529 ug/l
 RT: 5.79 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VX013075.D
 Acq: 15 Oct 2019 14:07

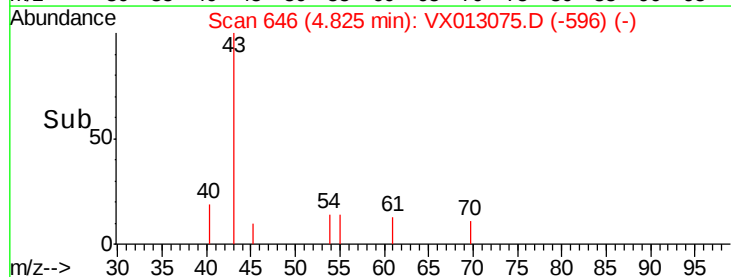
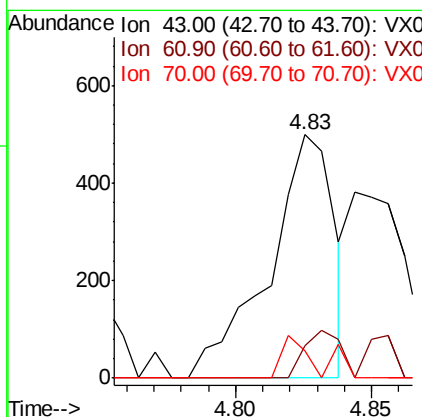
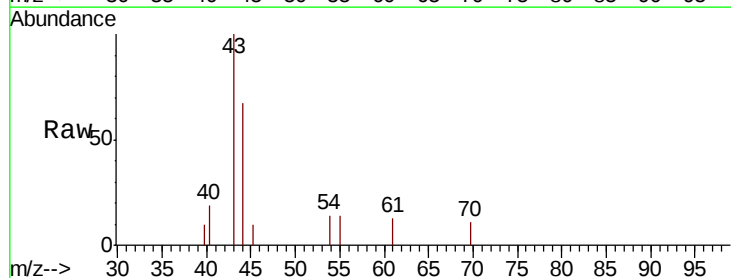
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019DL

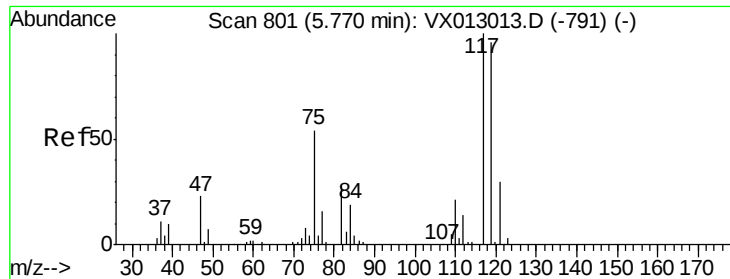
Tot Ion	Ratio	Lower	Upper
75	100		
110	24.5	17.6	52.9
77	34.0	24.4	36.6



#37
 Ethyl Acetate
 Concen: 0.310 ug/l
 RT: 4.83 min Scan# 646
 Delta R.T. 0.01 min
 Lab File: VX013075.D
 Acq: 15 Oct 2019 14:07

Tgt Ion	Ratio	Lower	Upper
43	100		
61	10.9	11.4	17.0#
70	6.3	9.8	14.6#

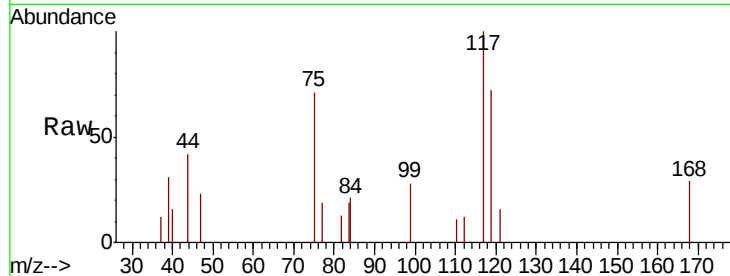




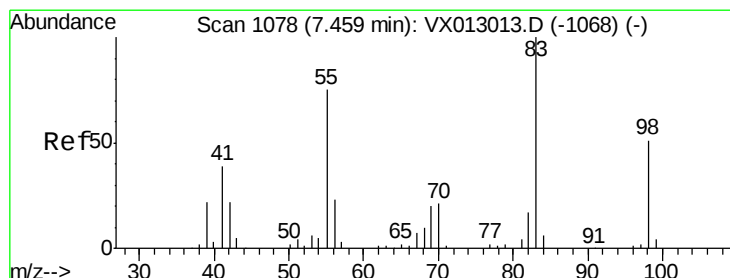
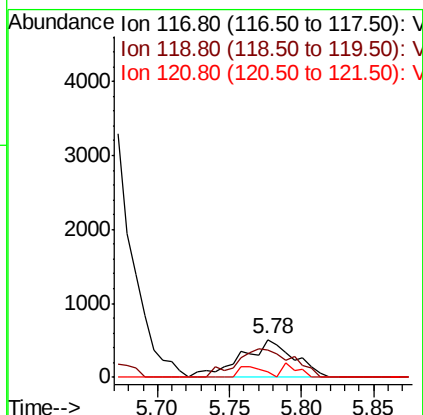
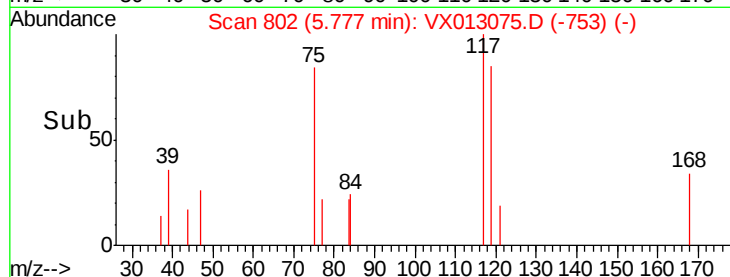
#38
Carbon Tetrachloride
Concen: 0.548 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX013075.D
Acq: 15 Oct 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion:117 Resp: 1271
Ion Ratio Lower Upper
117 100
119 72.2 74.5 111.7#
121 16.1 24.2 36.4#

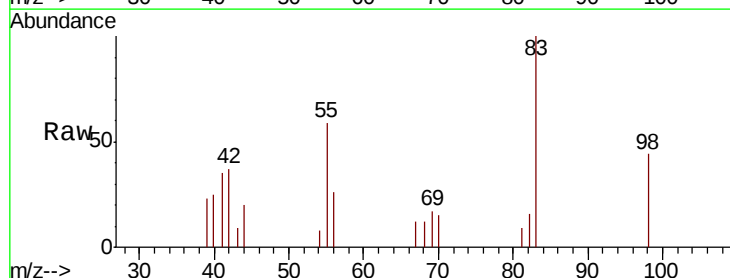


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

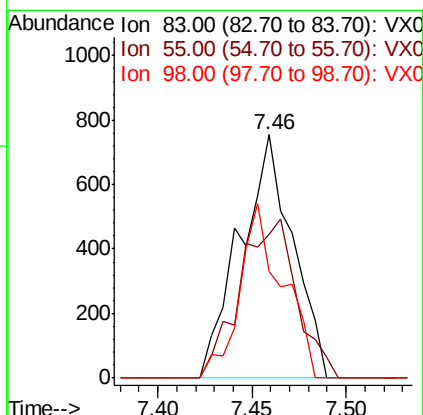
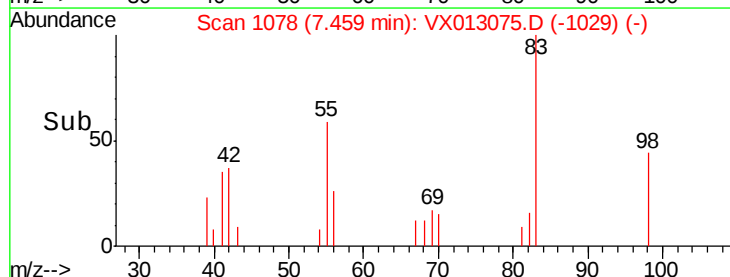


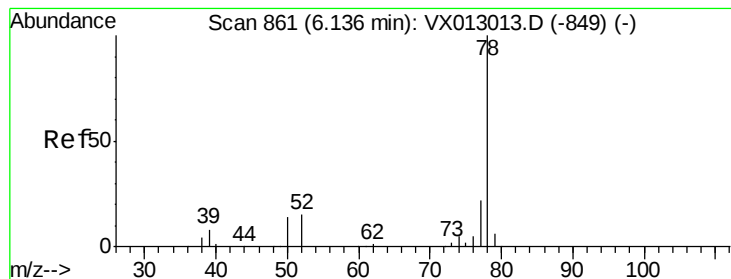
#39
Methylcyclohexane
Concen: 0.505 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX013075.D
Acq: 15 Oct 2019 14:07

Tgt Ion: 83 Resp: 1459
Ion Ratio Lower Upper
83 100
55 59.2 60.2 90.4#
98 44.0 38.5 57.7



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.527 ug/l

RT: 6.13 min Scan# 860

Delta R.T. -0.01 min

Lab File: VX013075.D

Acq: 15 Oct 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

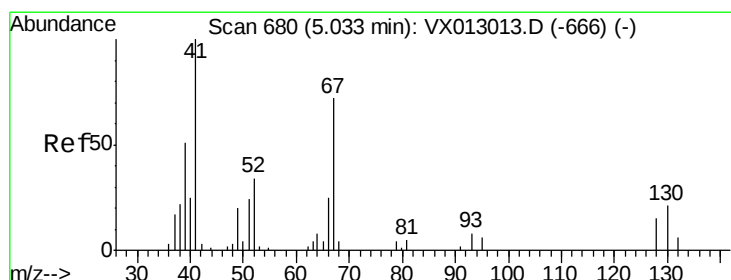
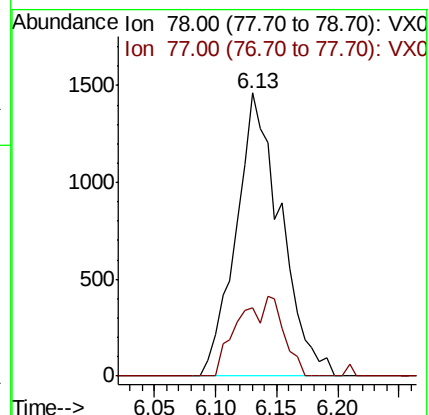
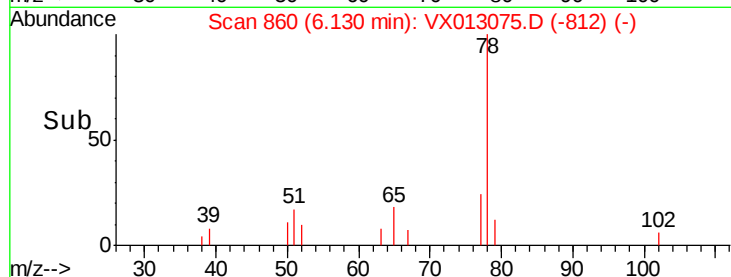
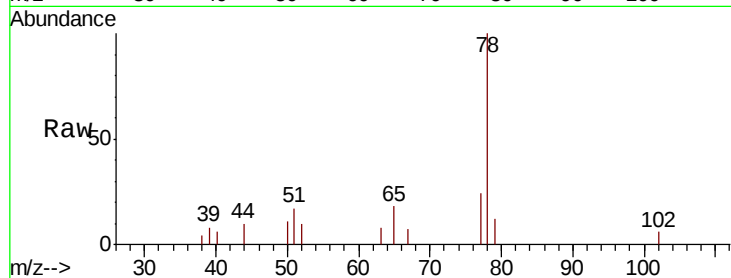
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 78 Resp: 3712

Ion Ratio Lower Upper

78 100

77 24.1 19.0 28.4



#41

Methacrylonitrile

Concen: 0.444 ug/l

RT: 5.05 min Scan# 683

Delta R.T. 0.02 min

Lab File: VX013075.D

Acq: 15 Oct 2019 14:07

Tgt Ion: 41 Resp: 651

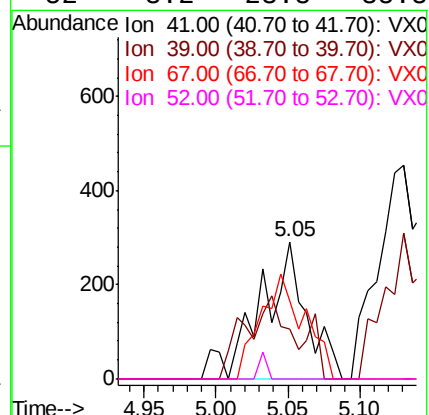
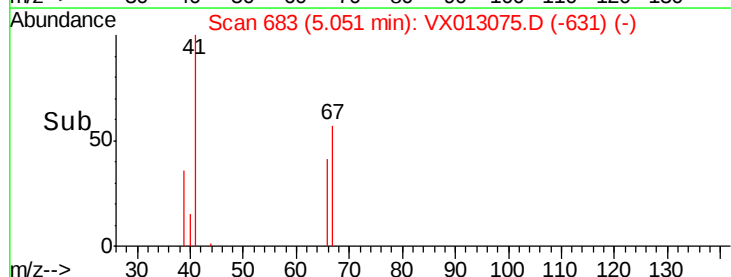
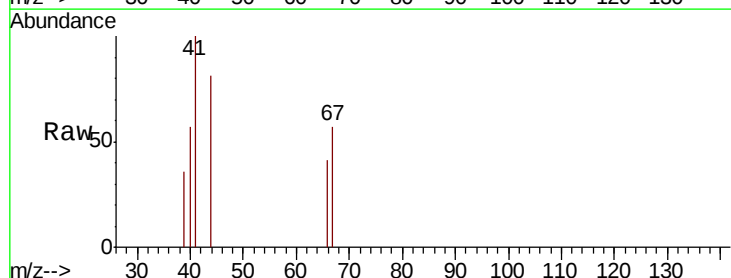
Ion Ratio Lower Upper

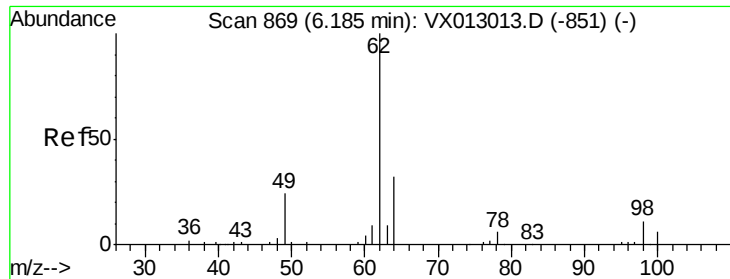
41 100

39 55.0 44.0 66.0

67 72.2 58.5 87.7

52 3.2 23.8 35.8#

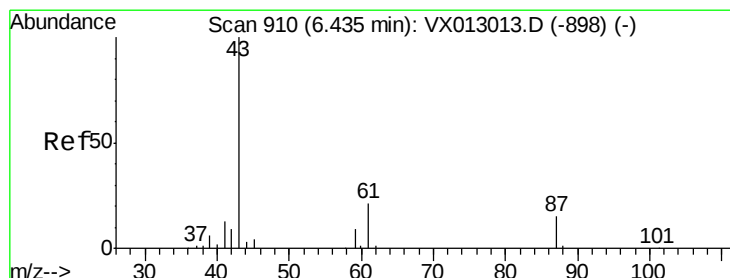
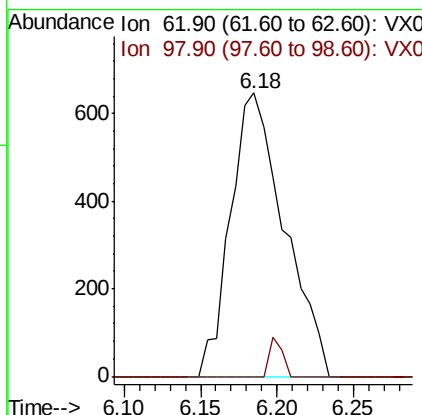
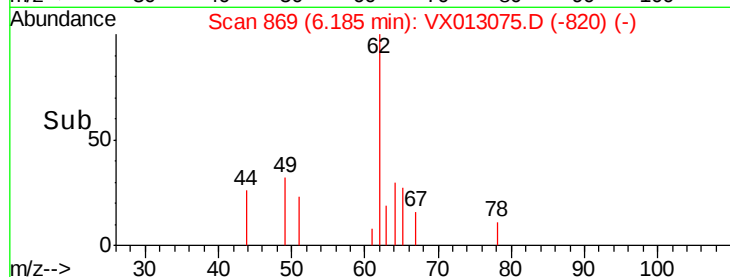
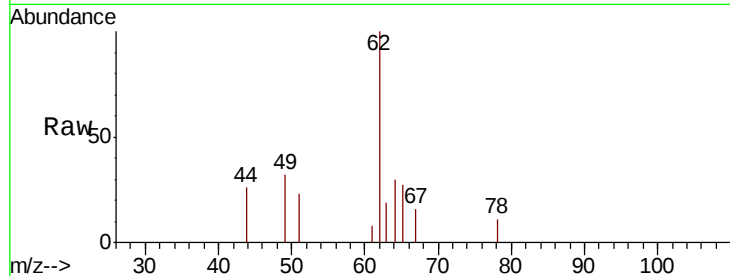




#42
 1,2-Dichloroethane
 Concen: 0.626 ug/l
 RT: 6.18 min Scan# 869
 Delta R.T. -0.00 min
 Lab File: VX013075.D
 Acq: 15 Oct 2019 14:07

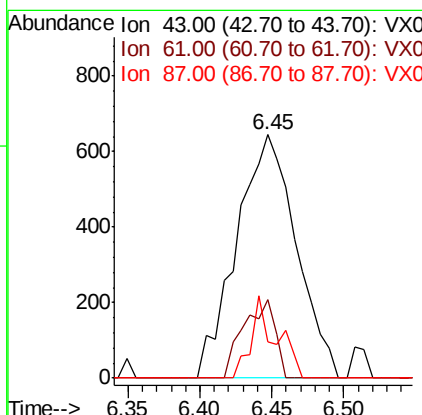
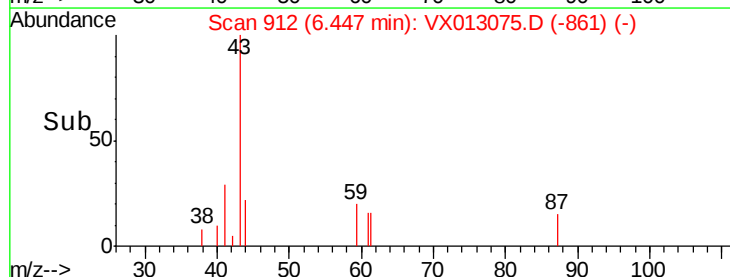
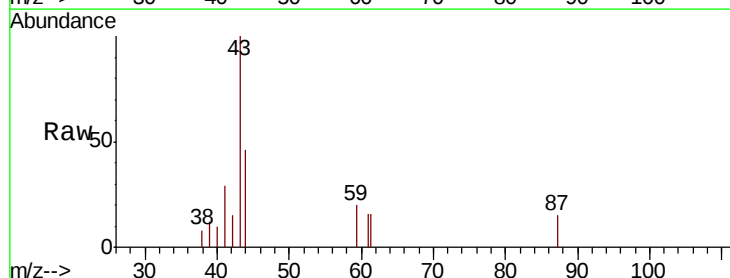
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019DL

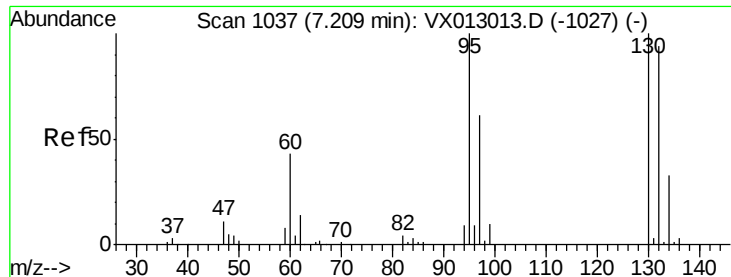
Tot Ion: 62 Resp: 1581
 Ion Ratio Lower Upper
 62 100
 98 3.4 0.0 20.4



#43
 Isopropyl Acetate
 Concen: 0.434 ug/l
 RT: 6.45 min Scan# 912
 Delta R.T. 0.01 min
 Lab File: VX013075.D
 Acq: 15 Oct 2019 14:07

Tgt Ion: 43 Resp: 1857
 Ion Ratio Lower Upper
 43 100
 61 17.2 16.6 24.8
 87 14.0 11.0 16.6





#44

Trichloroethene

Concen: 0.538 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX013075.D

Acq: 15 Oct 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

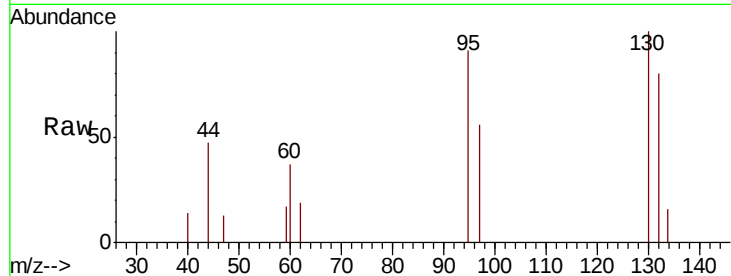
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion:130 Resp: 1050

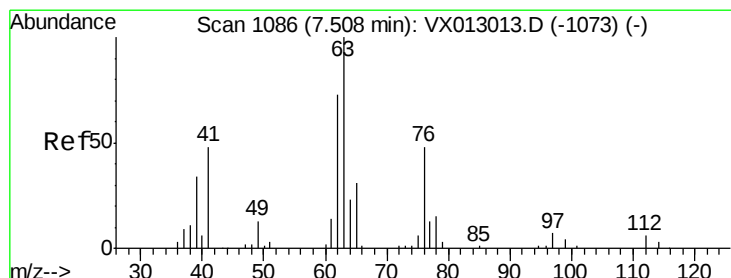
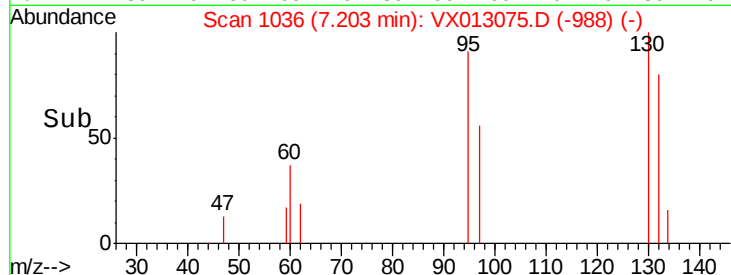
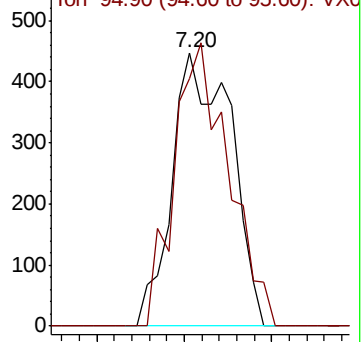
Ion Ratio Lower Upper

130 100

95 90.6 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V



#45

1,2-Dichloropropane

Concen: 0.539 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX013075.D

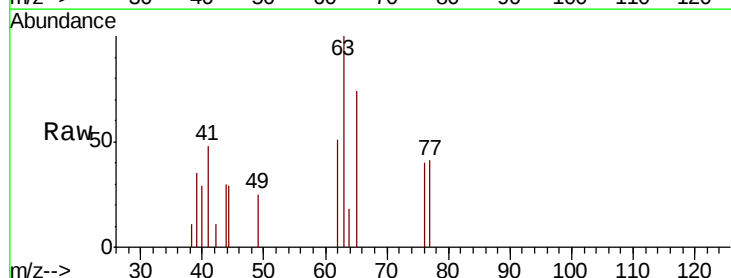
Acq: 15 Oct 2019 14:07

Tgt Ion: 63 Resp: 968

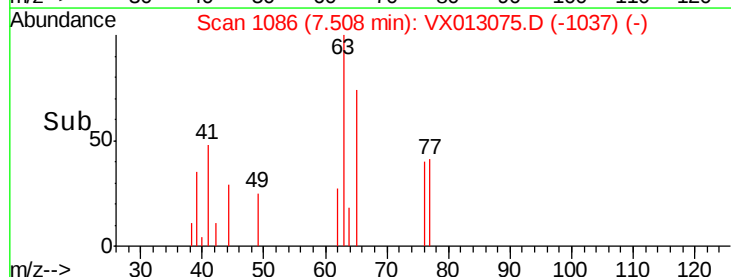
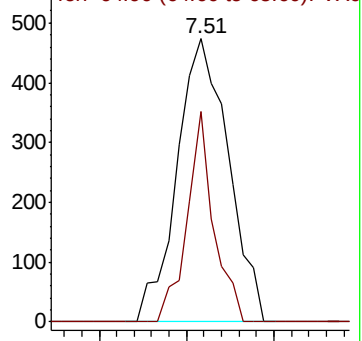
Ion Ratio Lower Upper

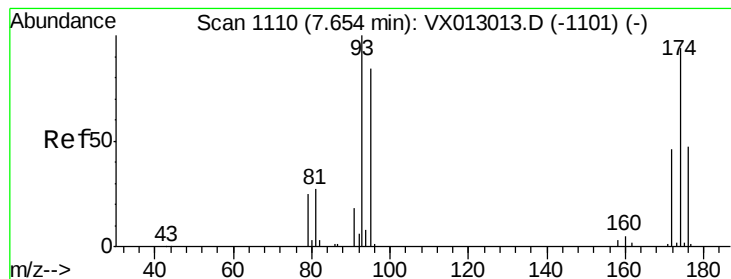
63 100

65 74.2 24.6 37.0#



Abundance Ion 62.90 (62.60 to 63.60): VX0





#46

Dibromomethane

Concen: 0.478 ug/l

RT: 7.66 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VX013075.D

Acq: 15 Oct 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

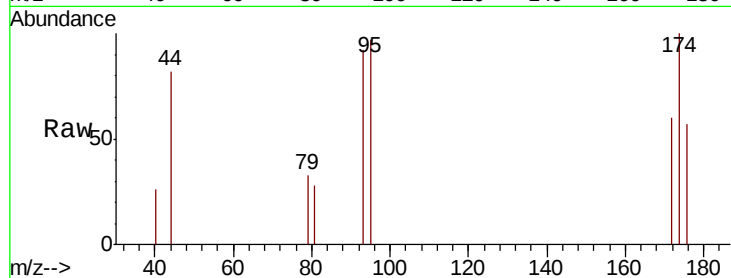
Tot Ion: 93 Resp: 572

Ion Ratio Lower Upper

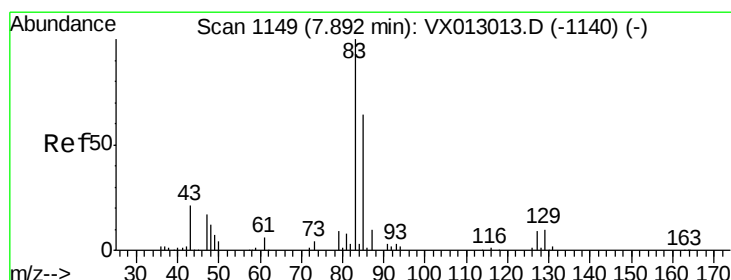
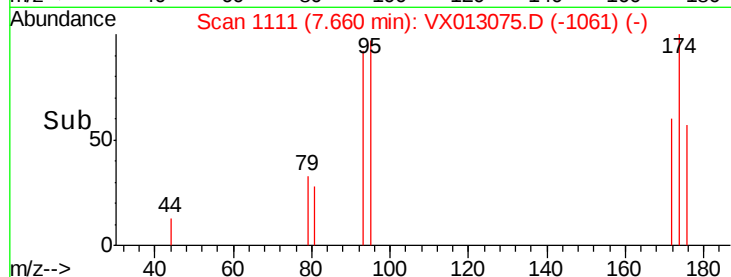
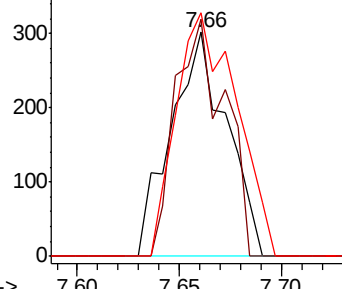
93 100

95 93.9 66.3 99.5

174 117.7 77.8 116.6#



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: 0.474 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013075.D

Acq: 15 Oct 2019 14:07

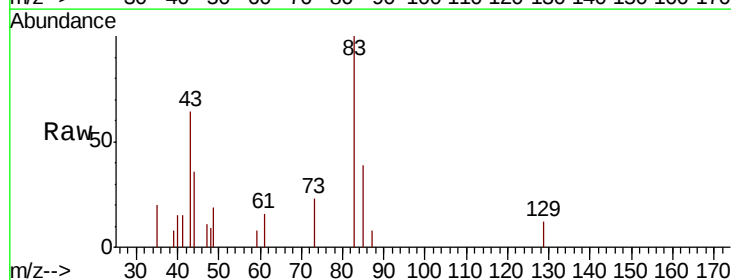
Tgt Ion: 83 Resp: 1107

Ion Ratio Lower Upper

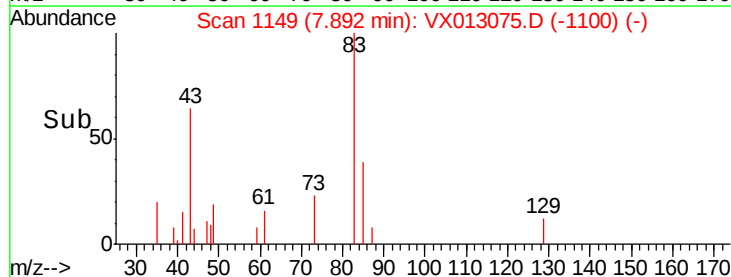
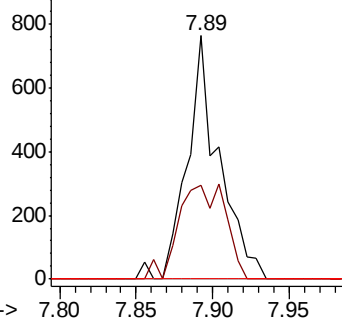
83 100

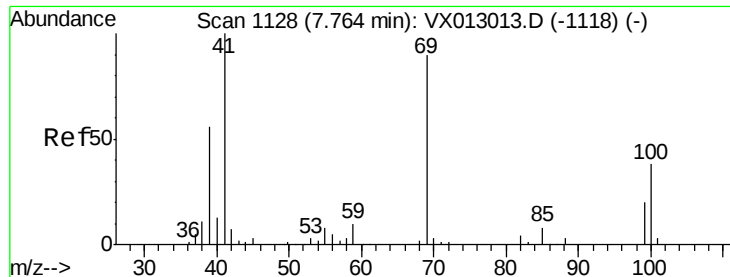
85 38.7 52.4 78.6#

127 0.0 6.6 10.0#



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

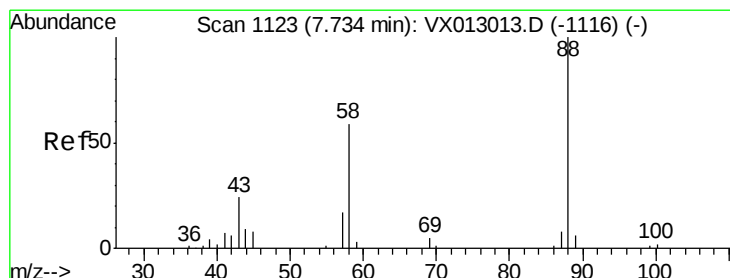
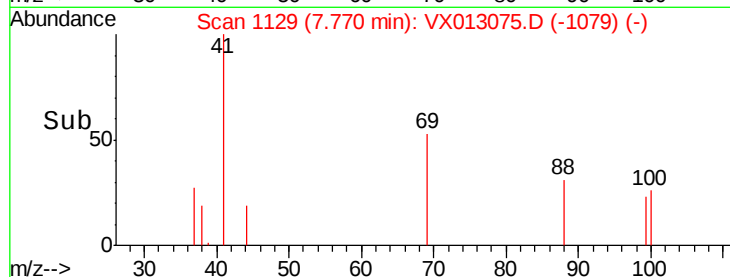
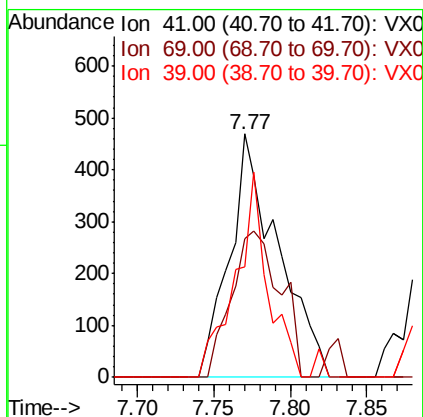
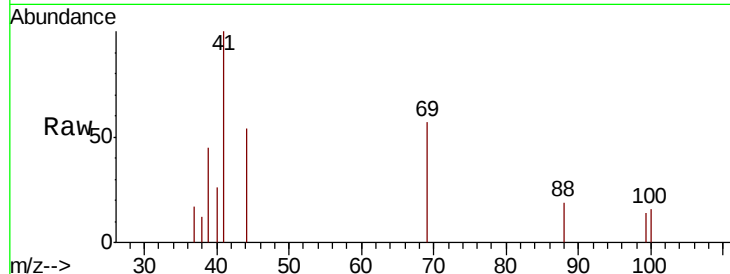




#48
Methvl methacrylate
Concen: 0.496 ug/l
RT: 7.77 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VX013075.D
Acq: 15 Oct 2019 14:07

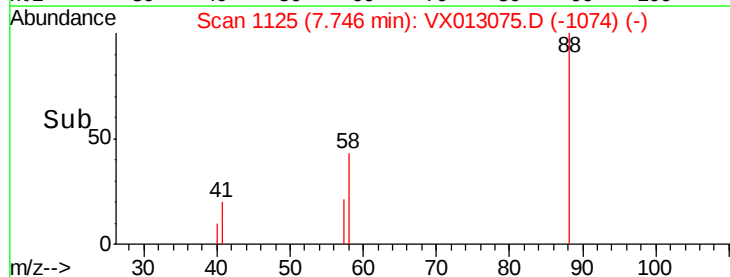
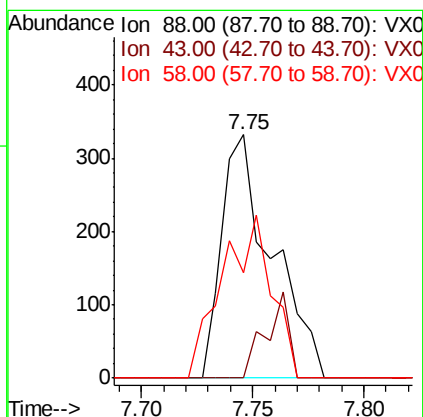
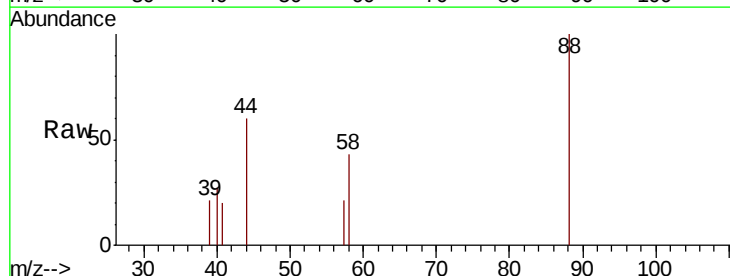
Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

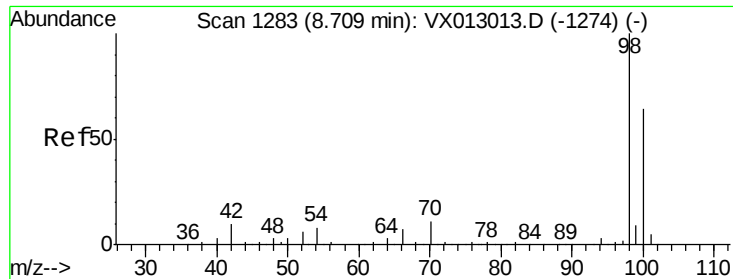
Tot Ion: 41 Resp: 1034
Ion Ratio Lower Upper
41 100
69 60.3 68.7 103.1#
39 55.7 44.3 66.5



#49
1,4-Dioxane
Concen: 44.070 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VX013075.D
Acq: 15 Oct 2019 14:07

Tgt Ion: 88 Resp: 521
Ion Ratio Lower Upper
88 100
43 16.3 25.0 37.6#
58 66.2 55.4 83.2





#50

Toluene-d8

Concen: 48.843 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013075.D

Acq: 15 Oct 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

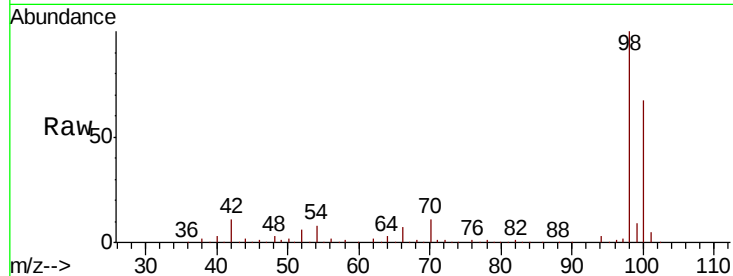
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 98 Resp: 296433

Ion Ratio Lower Upper

98 100

100 67.4 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

200000

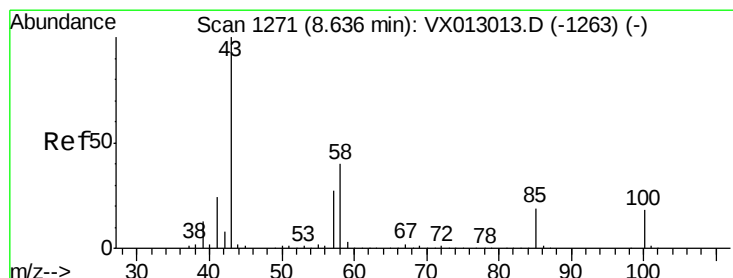
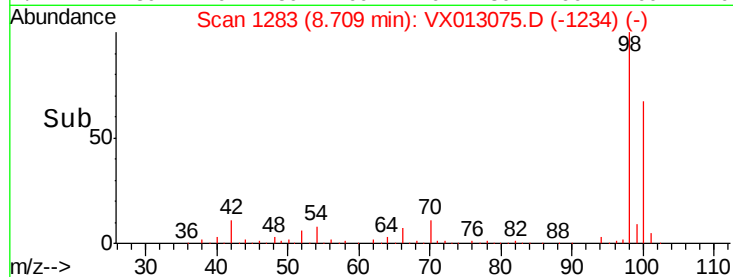
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.317 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013075.D

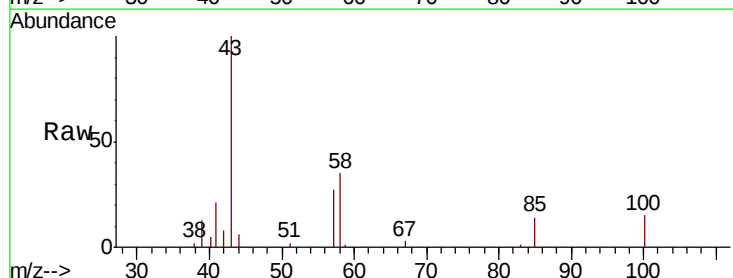
Acq: 15 Oct 2019 14:07

Tgt Ion: 43 Resp: 6179

Ion Ratio Lower Upper

43 100

58 38.5 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

4000

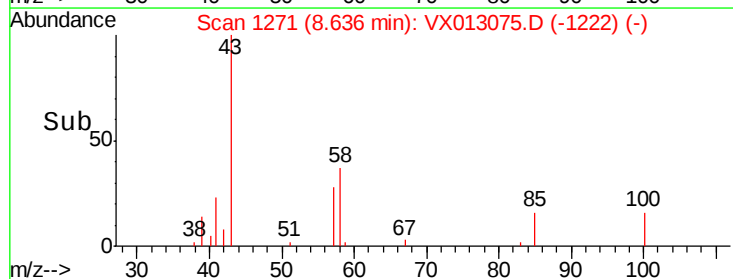
3000

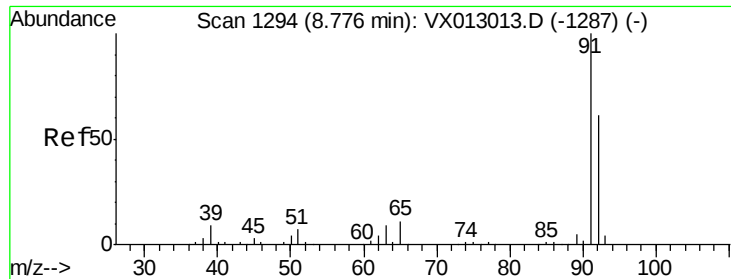
2000

1000

0

Time-->





#52

Toluene

Concen: 0.517 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013075.D

Acq: 15 Oct 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

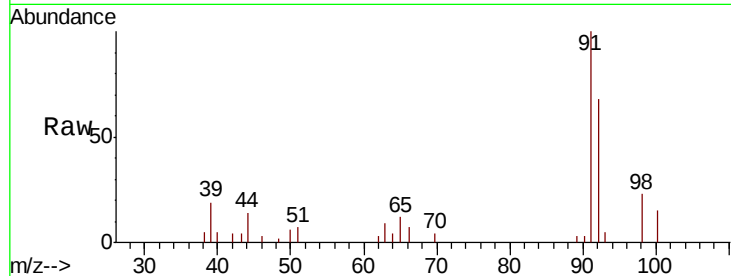
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 92 Resp: 2329

Ion Ratio Lower Upper

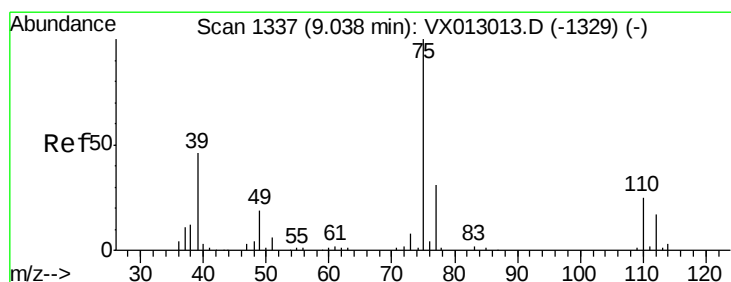
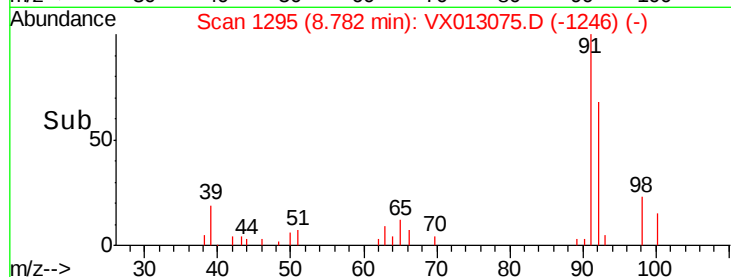
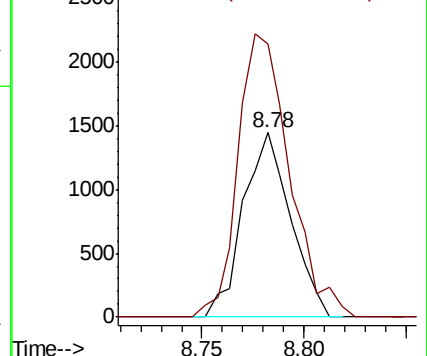
92 100

91 166.7 135.9 203.9



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: 2.527 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX013075.D

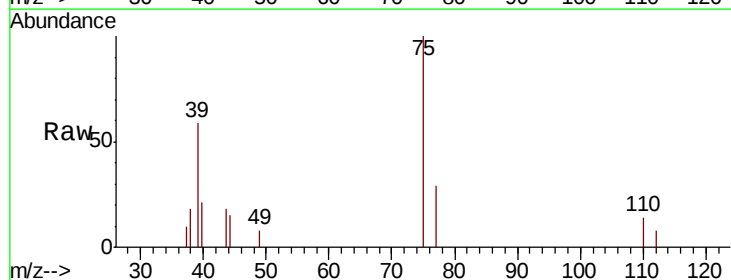
Acq: 15 Oct 2019 14:07

Tgt Ion: 75 Resp: 1089

Ion Ratio Lower Upper

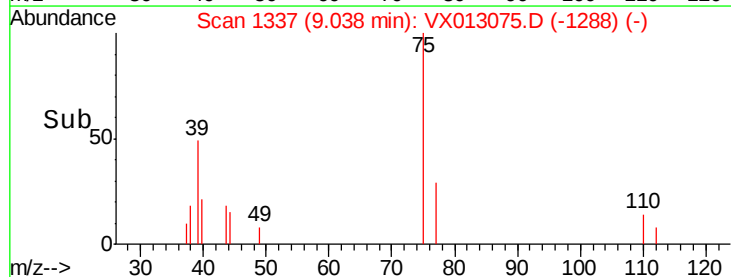
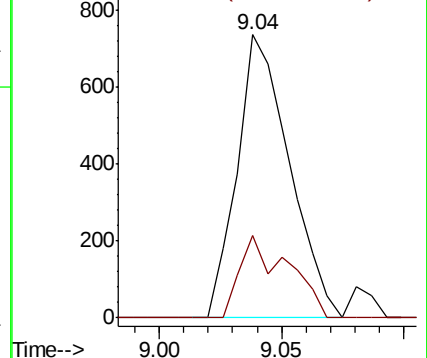
75 100

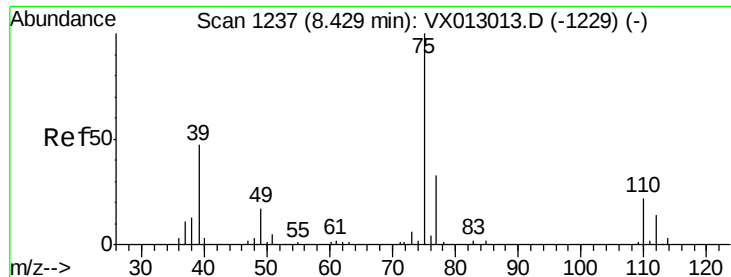
77 29.1 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



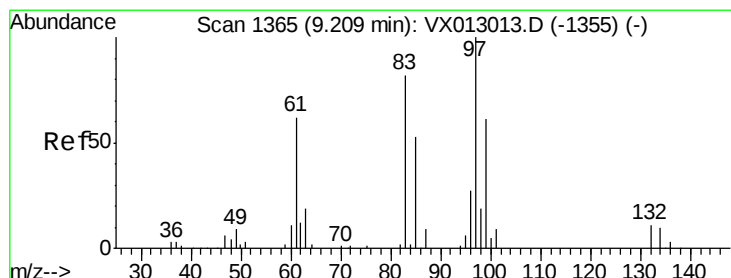
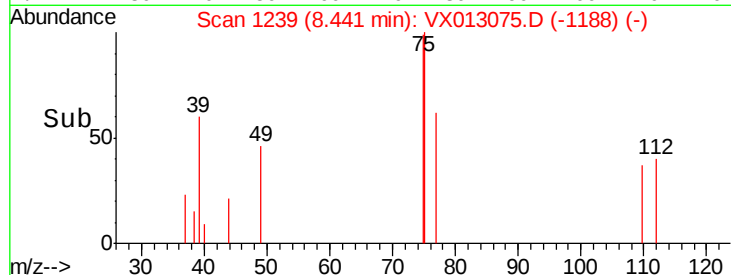
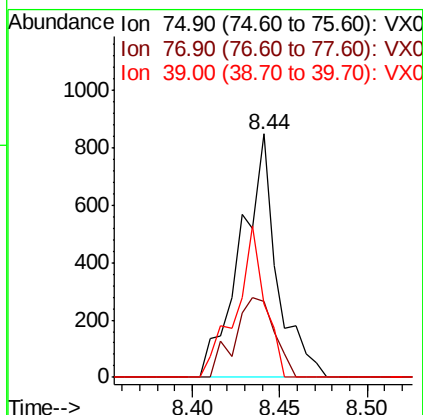
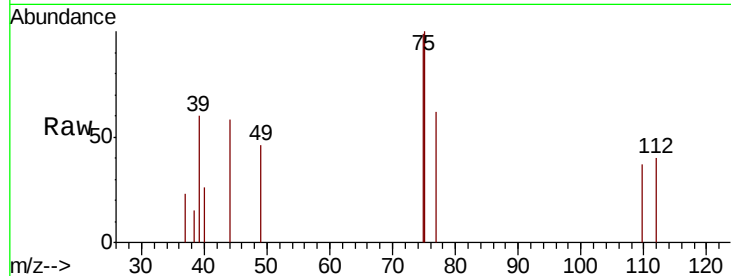


#54

cis-1,3-Dichloropropene
 Concen: 0.429 ug/l
 RT: 8.44 min Scan# 1239
 Delta R.T. 0.01 min
 Lab File: VX013075.D
 Acq: 15 Oct 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019DL

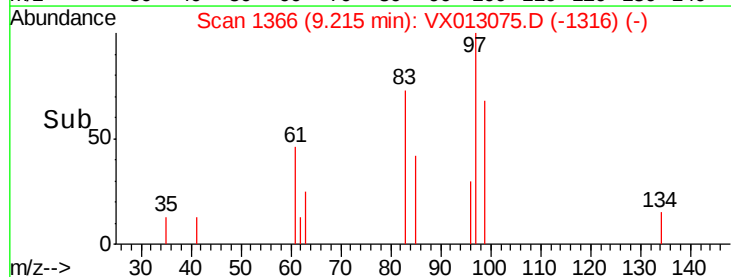
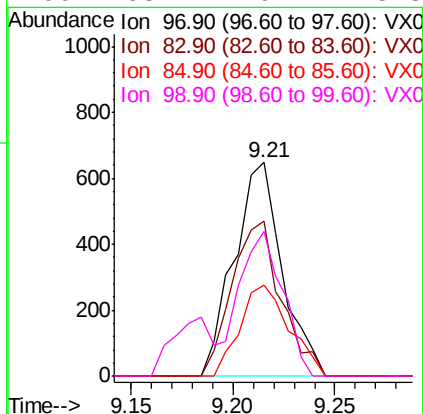
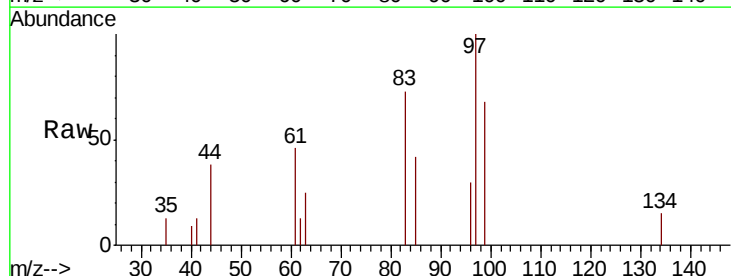
Tot Ion: 75 Resp: 1232
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.8 38.8
 39 30.1 38.2 57.2#

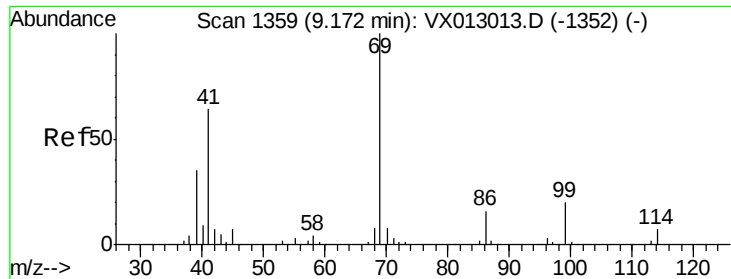


#55

1,1,2-Trichloroethane
 Concen: 0.599 ug/l
 RT: 9.21 min Scan# 1366
 Delta R.T. 0.01 min
 Lab File: VX013075.D
 Acq: 15 Oct 2019 14:07

Tgt Ion: 97 Resp: 1067
 Ion Ratio Lower Upper
 97 100
 83 72.8 66.5 99.7
 85 42.4 43.1 64.7#
 99 68.1 49.2 73.8

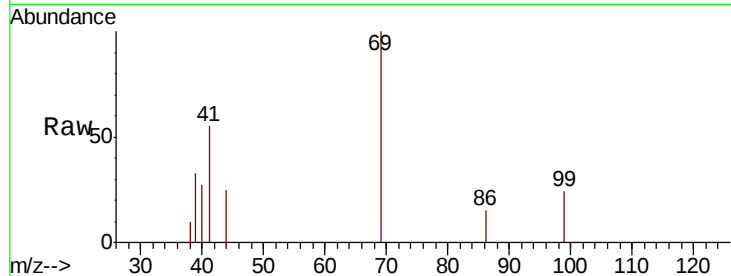




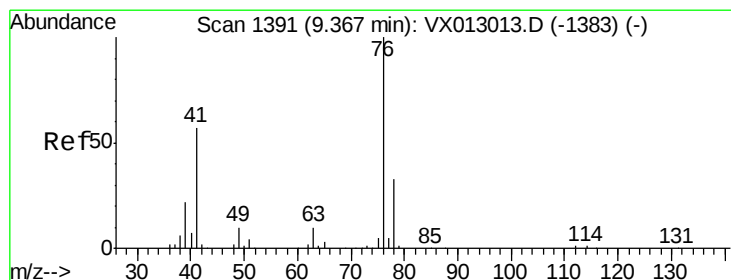
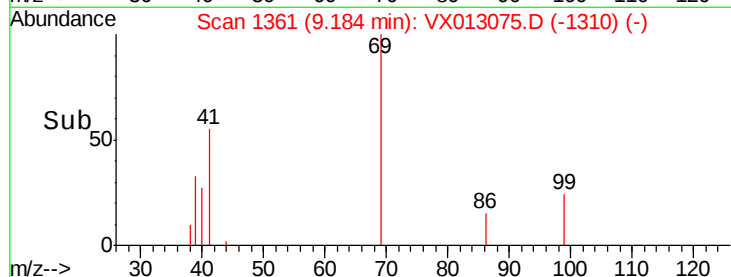
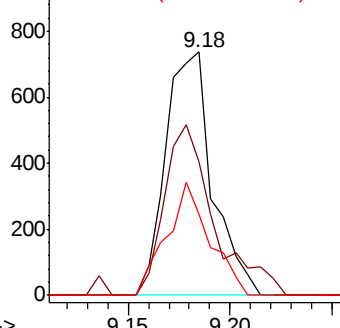
#56
Ethyl methacrylate
Concen: 2.185 ug/l
RT: 9.18 min Scan# 1361
Delta R.T. 0.01 min
Lab File: VX013075.D
Acq: 15 Oct 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 69 Resp: 1171
Ion Ratio Lower Upper
69 100
41 74.2 52.1 78.1
39 42.4 27.8 41.8#

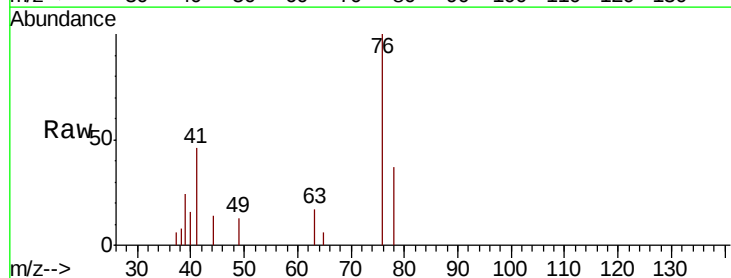


Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

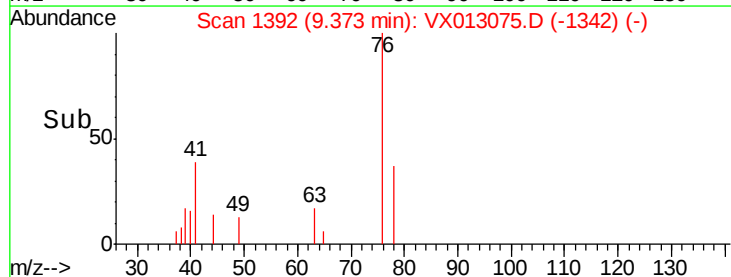
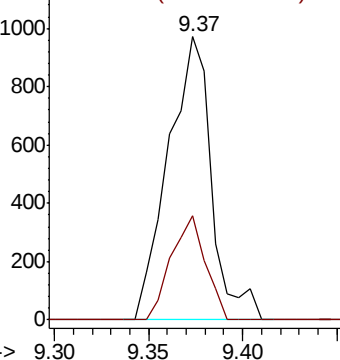


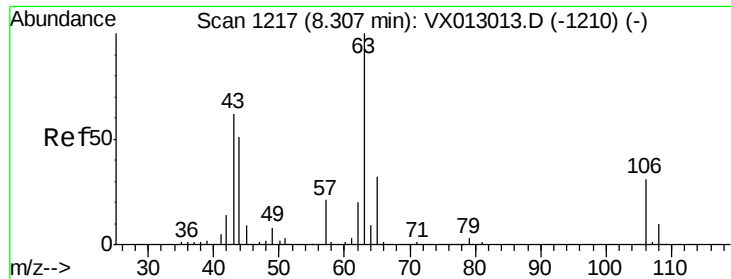
#57
1,3-Dichloropropane
Concen: 0.501 ug/l
RT: 9.37 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VX013075.D
Acq: 15 Oct 2019 14:07

Tgt Ion: 76 Resp: 1544
Ion Ratio Lower Upper
76 100
78 29.1 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VX0
Ion 77.90 (77.60 to 78.60): VX0

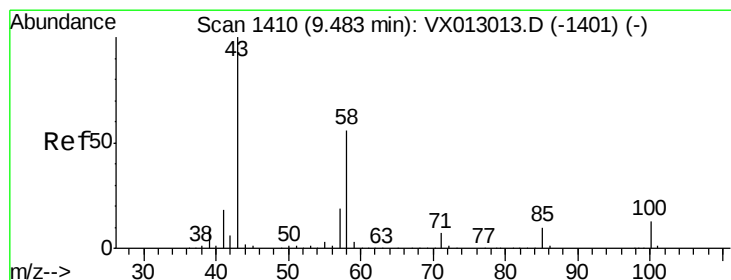
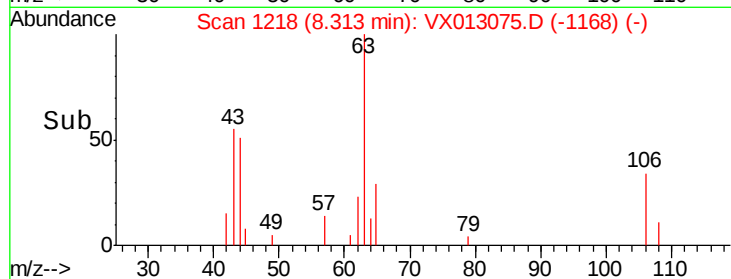
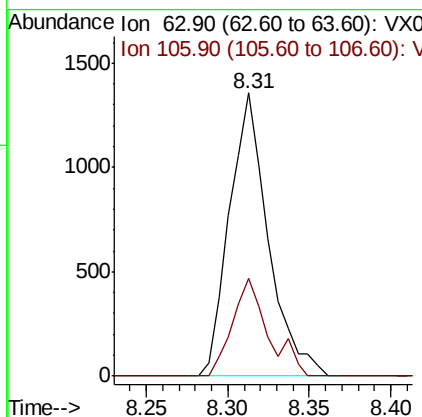
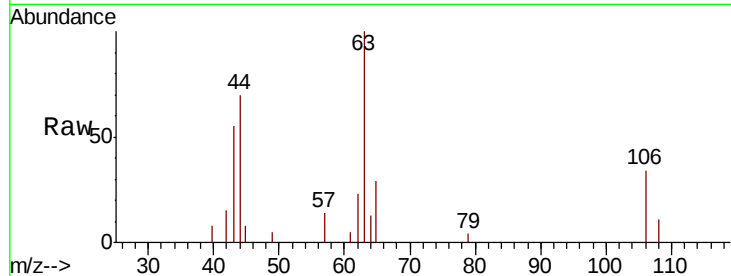




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.717 ug/l
 RT: 8.31 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VX013075.D
 Acq: 15 Oct 2019 14:07

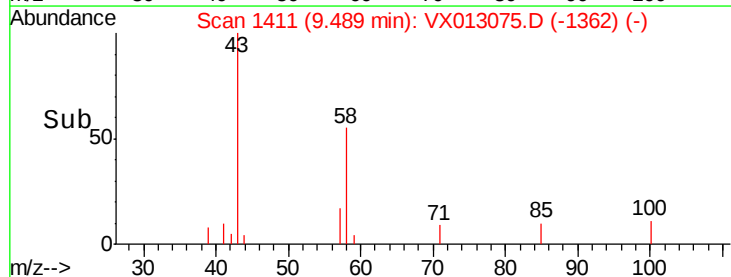
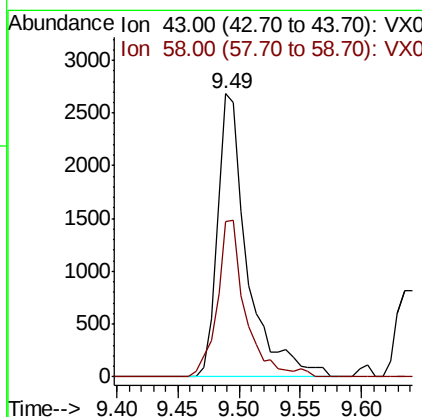
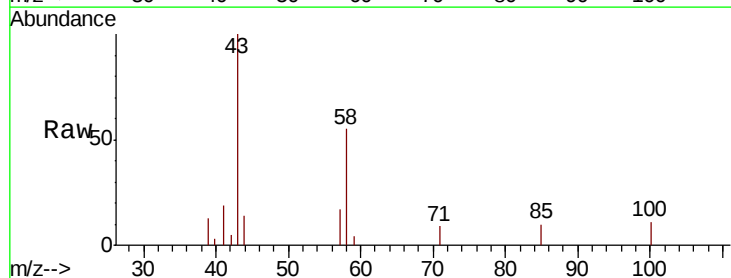
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019DL

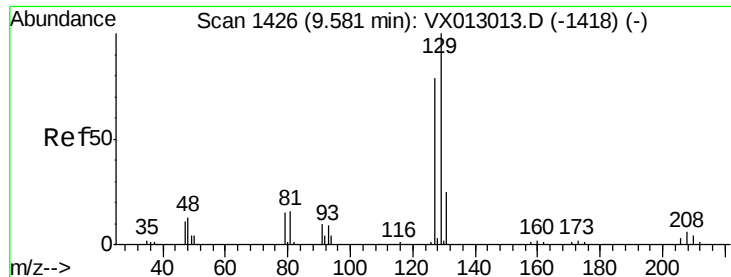
Tot Ion: 63 Resp: 2248
 Ion Ratio Lower Upper
 63 100
 106 31.6 23.8 35.8



#59
 2-Hexanone
 Concen: 2.192 ug/l
 RT: 9.49 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX013075.D
 Acq: 15 Oct 2019 14:07

Tgt Ion: 43 Resp: 4552
 Ion Ratio Lower Upper
 43 100
 58 52.7 28.1 84.3





#60

Dibromochloromethane

Concen: 2.207 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.00 min

Lab File: VX013075.D

Acq: 15 Oct 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

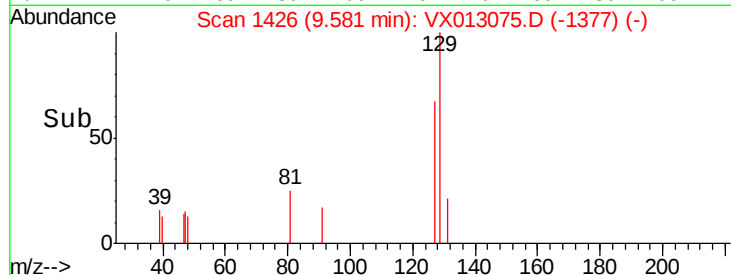
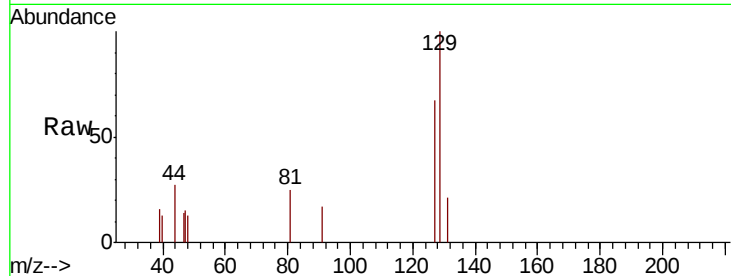
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion:129 Resp: 722

Ion Ratio Lower Upper

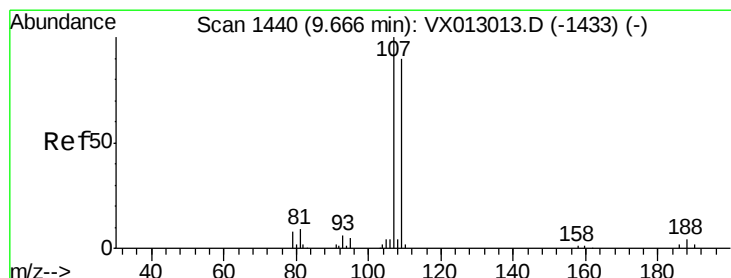
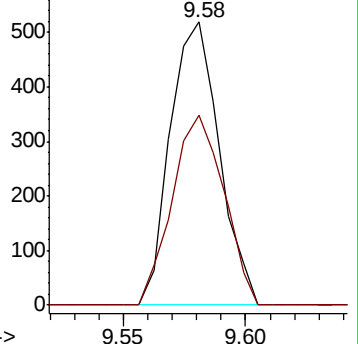
129 100

127 70.9 38.9 116.7



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.451 ug/l

RT: 9.67 min Scan# 1441

Delta R.T. 0.01 min

Lab File: VX013075.D

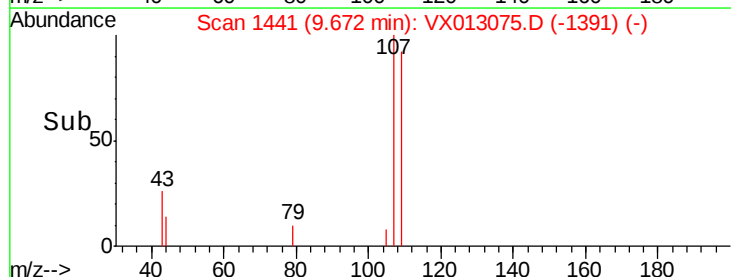
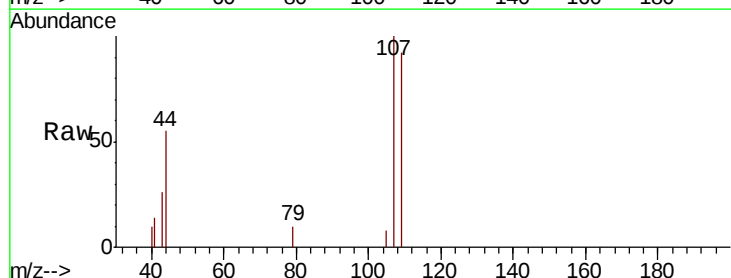
Acq: 15 Oct 2019 14:07

Tgt Ion:107 Resp: 846

Ion Ratio Lower Upper

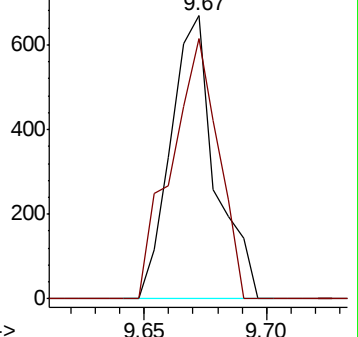
107 100

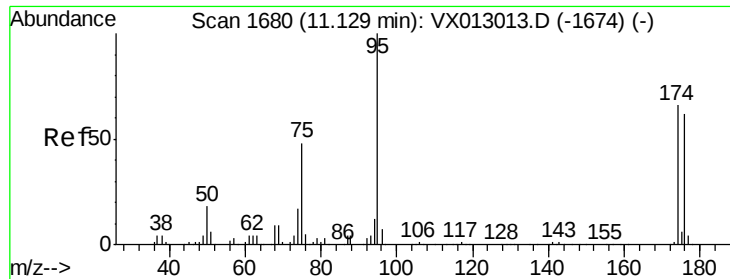
109 97.0 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

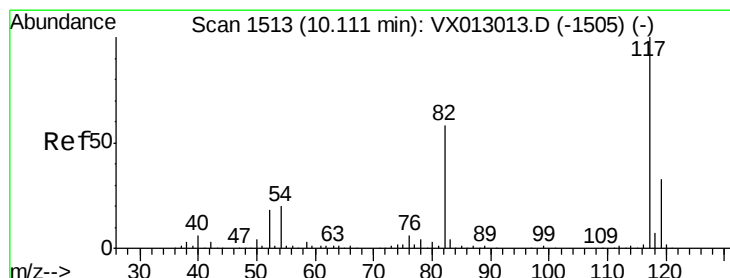
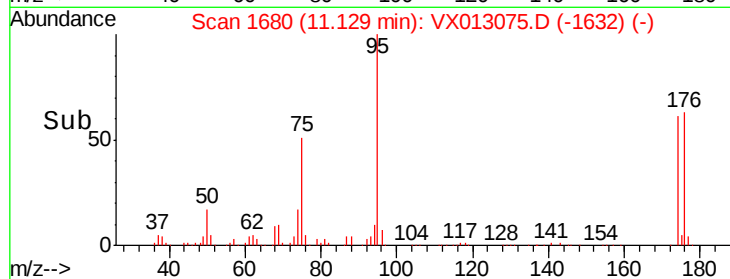
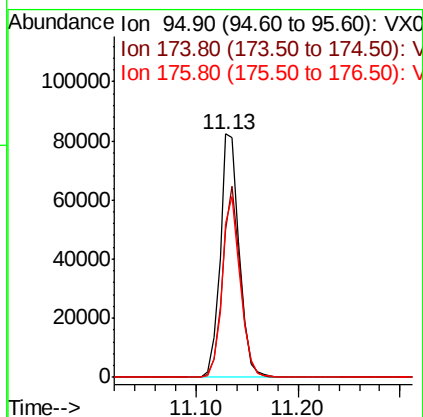
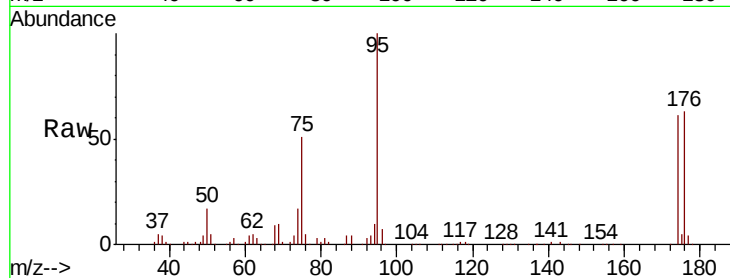




#62
4-Bromofluorobenzene
Concen: 45.499 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX013075.D
Acq: 15 Oct 2019 14:07

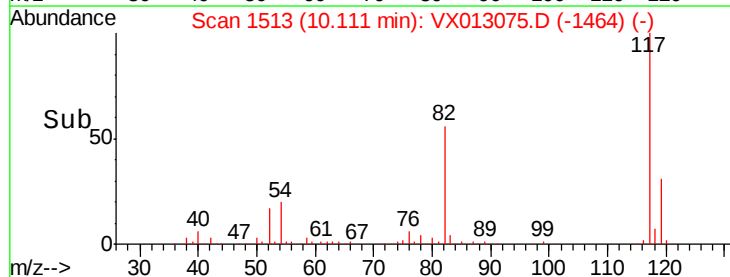
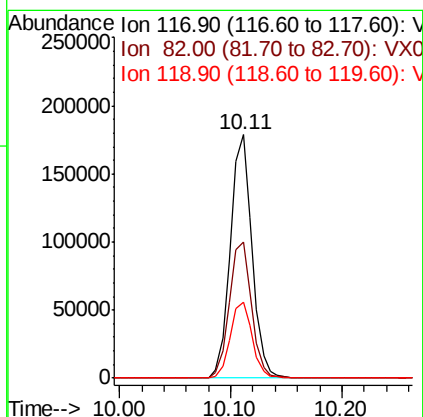
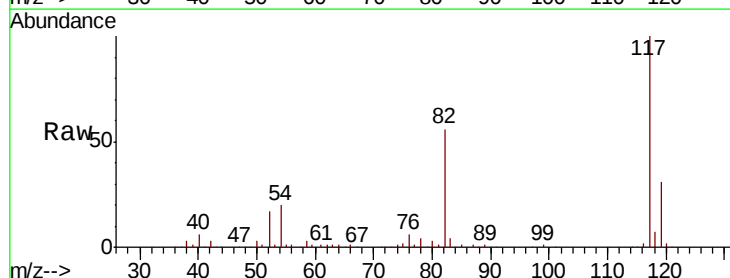
Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

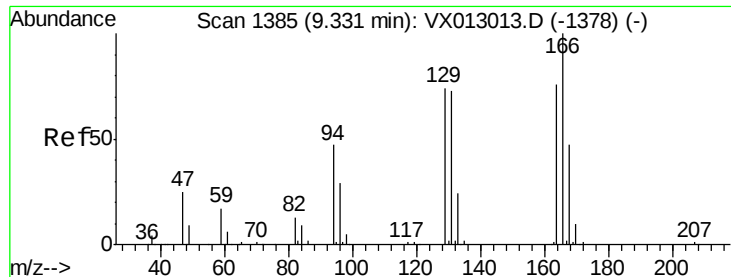
Tot Ion: 95 Resp: 107297
Ion Ratio Lower Upper
95 100
174 73.3 0.0 143.4
176 70.7 0.0 136.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013075.D
Acq: 15 Oct 2019 14:07

Tgt Ion: 117 Resp: 239935
Ion Ratio Lower Upper
117 100
82 55.9 44.1 66.1
119 31.3 25.8 38.8

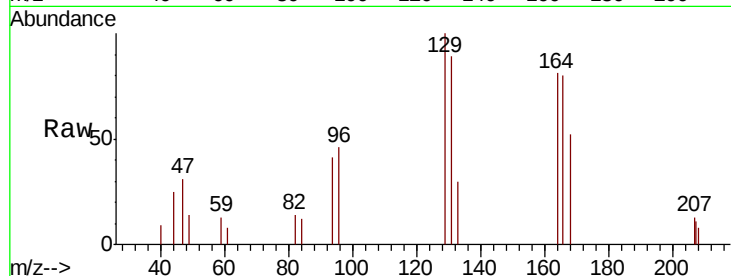




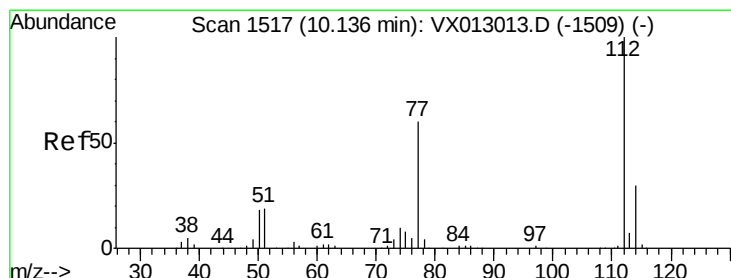
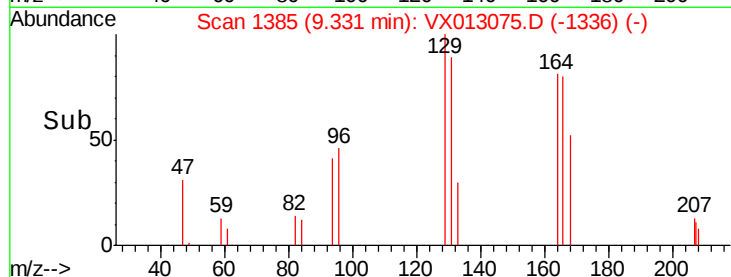
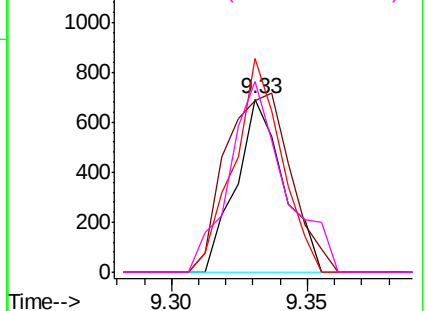
#64
Tetrachloroethene
Concen: 0.506 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013075.D
Acq: 15 Oct 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion:164 Resp: 842
Ion Ratio Lower Upper
164 100
166 99.1 96.9 145.3
129 123.6 77.9 116.9#
131 110.4 72.7 109.1#

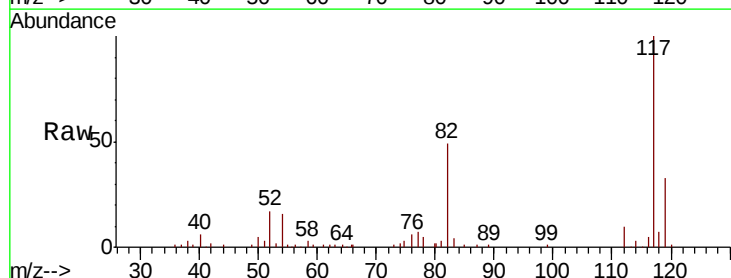


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

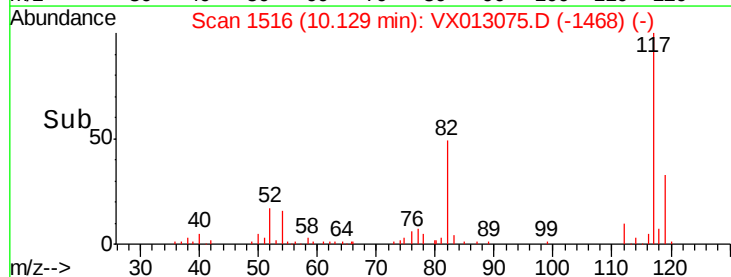
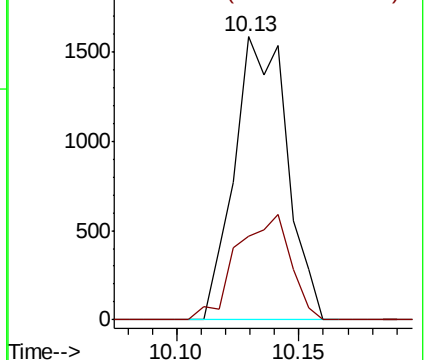


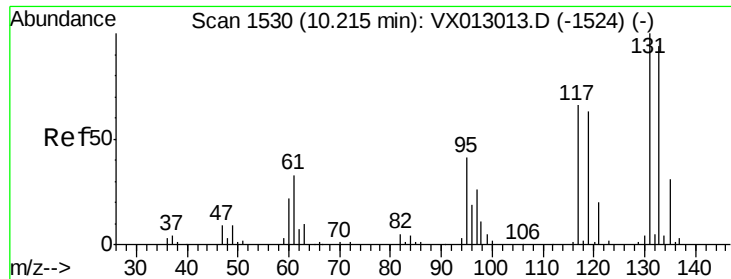
#65
Chlorobenzene
Concen: 0.499 ug/l
RT: 10.13 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VX013075.D
Acq: 15 Oct 2019 14:07

Tgt Ion:112 Resp: 2377
Ion Ratio Lower Upper
112 100
114 29.4 25.7 38.5



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

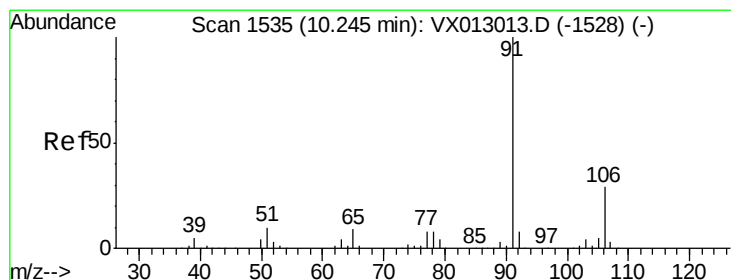
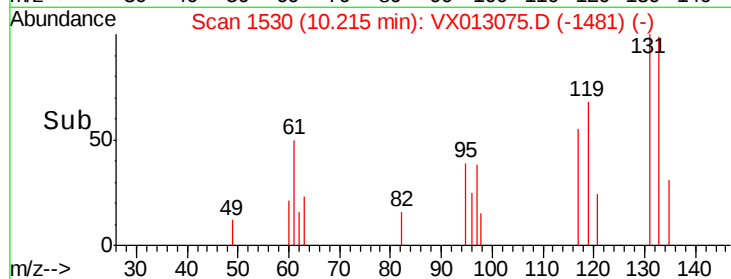
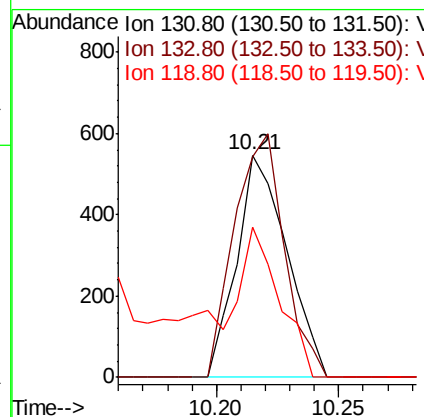
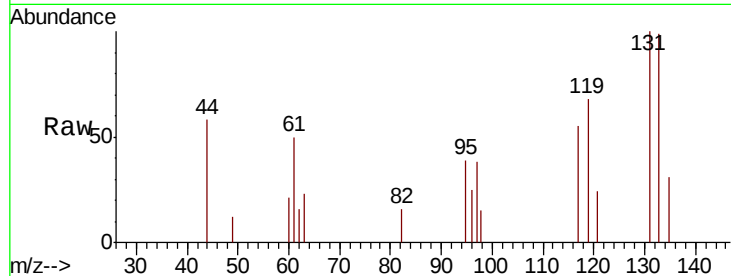




#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.470 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VX013075.D
 Acq: 15 Oct 2019 14:07

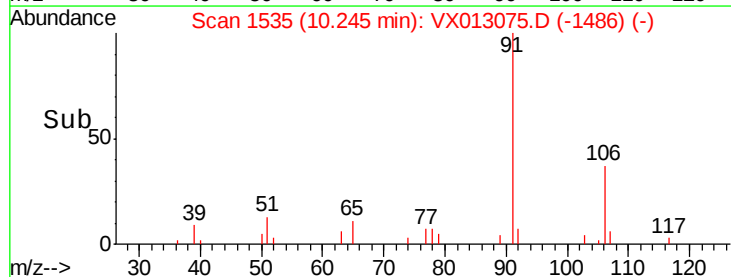
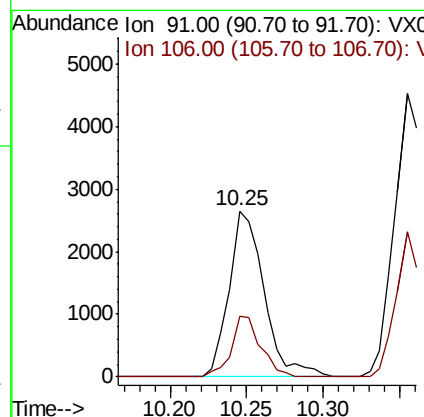
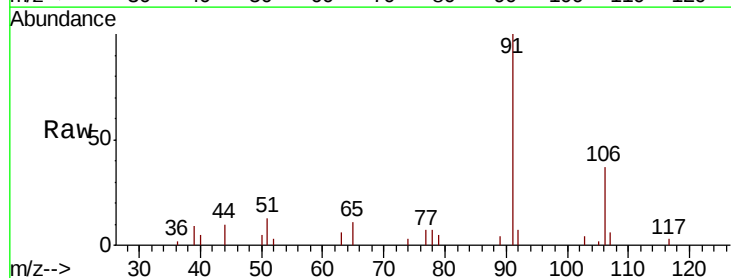
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019DL

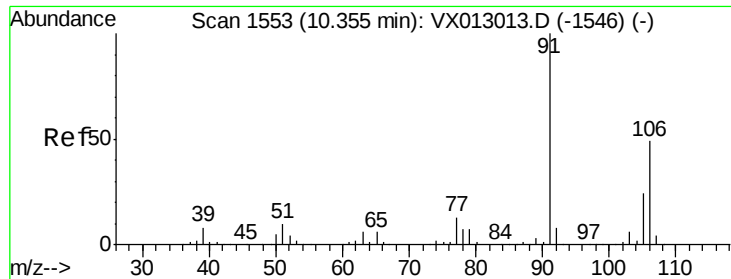
Tot Ion:131 Resp: 777
 Ion Ratio Lower Upper
 131 100
 133 109.7 47.2 141.6
 119 0.0 32.6 98.0#



#67
 Ethyl Benzene
 Concen: 0.497 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VX013075.D
 Acq: 15 Oct 2019 14:07

Tgt Ion: 91 Resp: 4209
 Ion Ratio Lower Upper
 91 100
 106 36.6 23.9 35.9#

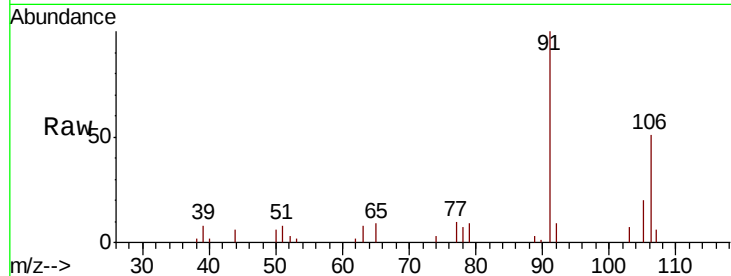




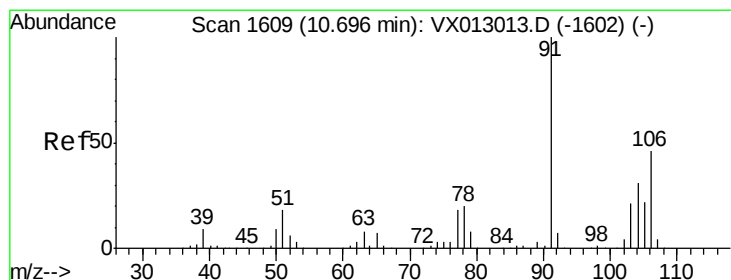
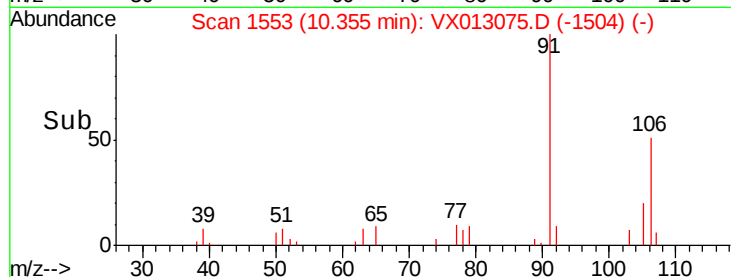
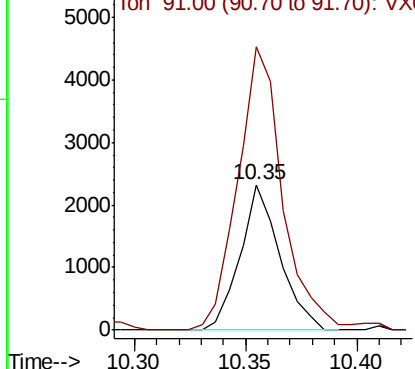
#68
m/p-Xylenes
Concen: 0.910 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013075.D
Acq: 15 Oct 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion:106 Resp: 2878
Ion Ratio Lower Upper
106 100
91 223.3 165.3 247.9

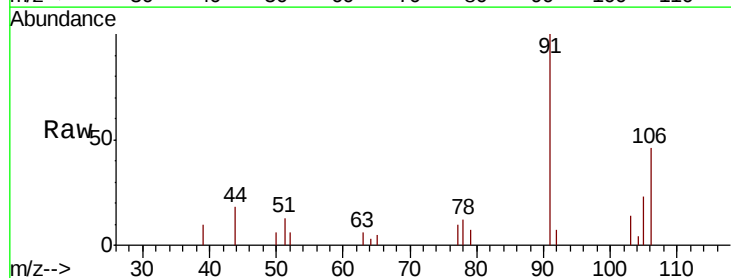


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

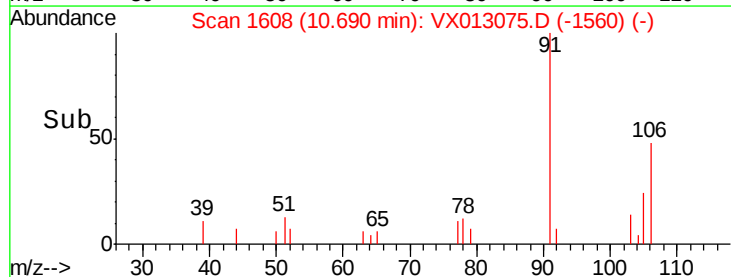
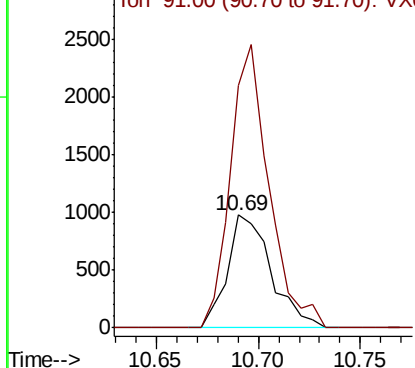


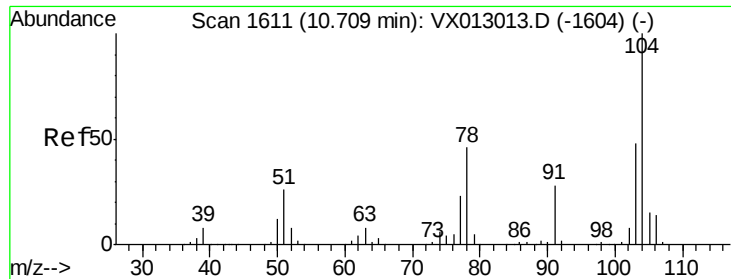
#69
o-Xylene
Concen: 0.472 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX013075.D
Acq: 15 Oct 2019 14:07

Tgt Ion:106 Resp: 1455
Ion Ratio Lower Upper
106 100
91 220.8 109.1 327.3



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

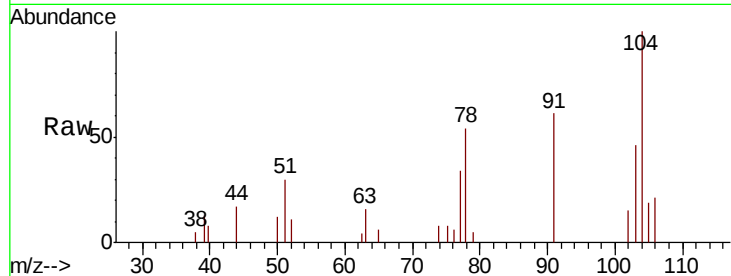




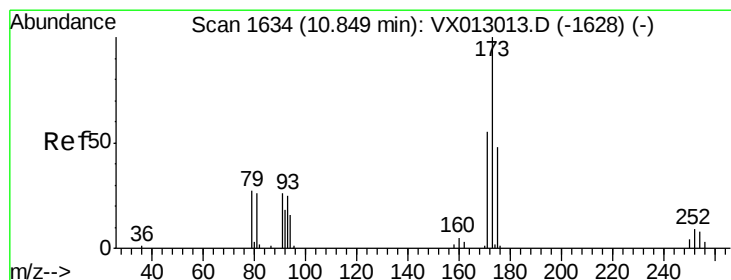
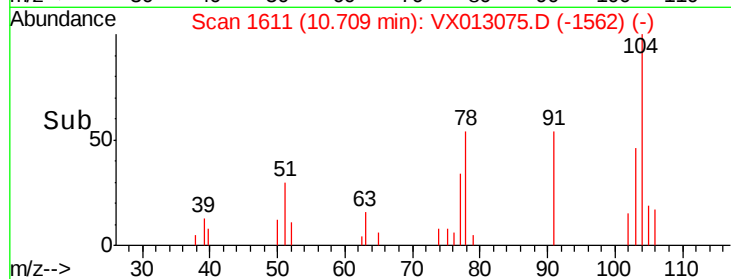
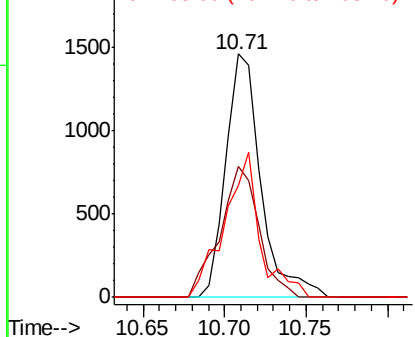
#70
Stvrene
Concen: 0.418 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013075.D
Acq: 15 Oct 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion:104 Resp: 2192
Ion Ratio Lower Upper
104 100
78 59.7 41.2 61.8
103 59.8 43.0 64.4

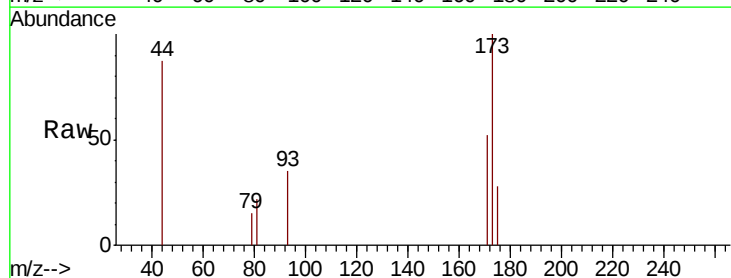


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

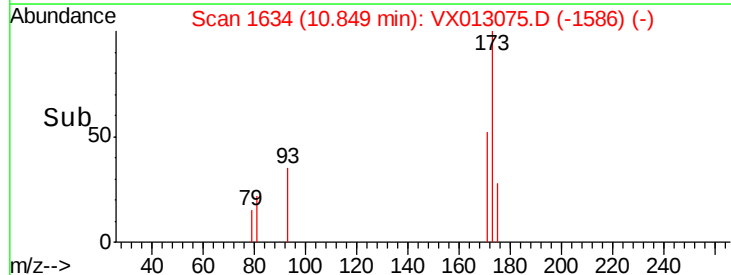
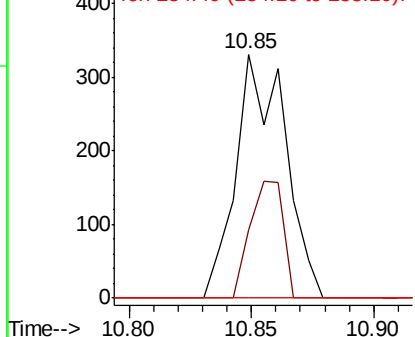


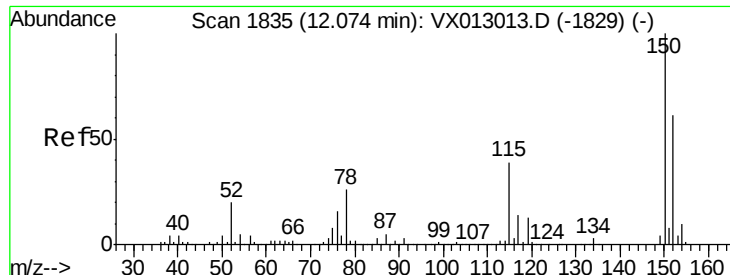
#71
Bromoform
Concen: 3.440 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VX013075.D
Acq: 15 Oct 2019 14:07

Tgt Ion:173 Resp: 461
Ion Ratio Lower Upper
173 100
175 32.3 24.1 72.3
254 0.0 0.1 0.1#



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013075.D

Acq: 15 Oct 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

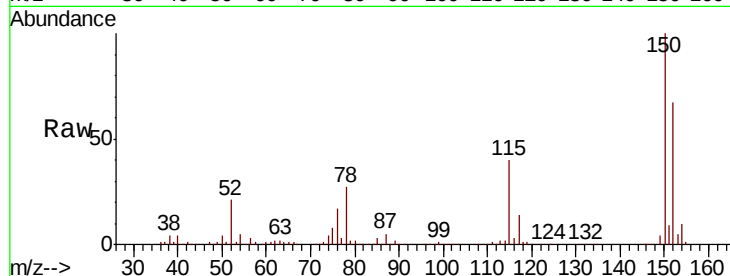
Tot Ion:152 Resp: 103389

Ion Ratio Lower Upper

152 100

115 61.0 44.5 133.5

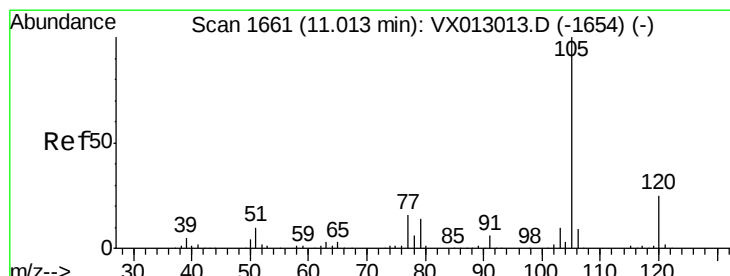
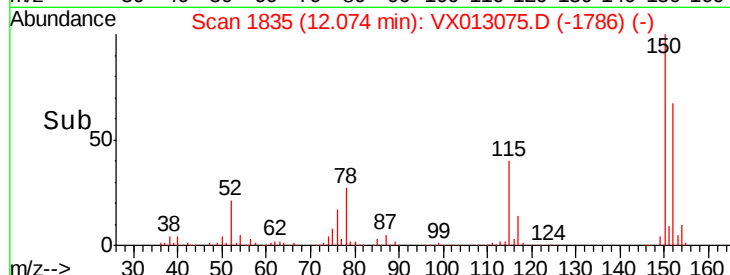
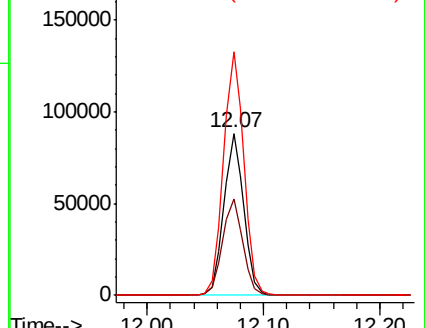
150 154.0 0.0 353.4



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: 0.508 ug/l

RT: 11.02 min Scan# 1662

Delta R.T. 0.01 min

Lab File: VX013075.D

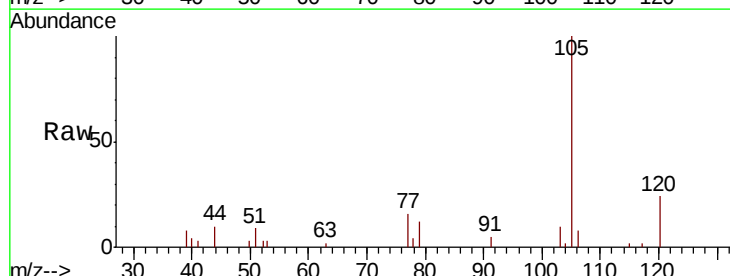
Acq: 15 Oct 2019 14:07

Tgt Ion:105 Resp: 3858

Ion Ratio Lower Upper

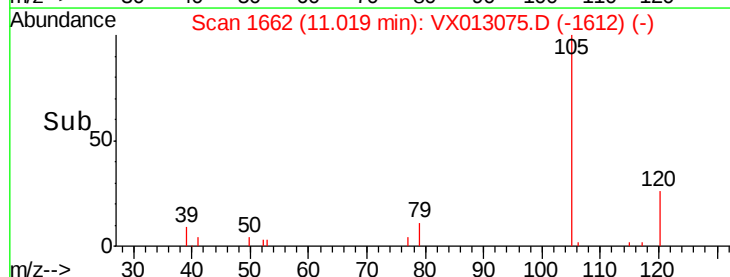
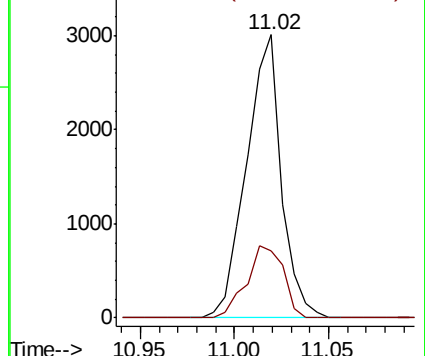
105 100

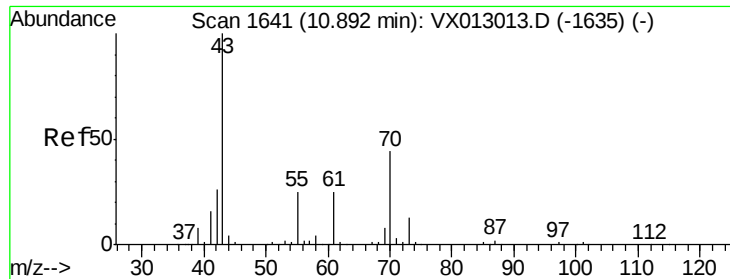
120 26.8 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.459 ug/l

RT: 10.90 min Scan# 1642

Delta R.T. 0.01 min

Lab File: VX013075.D

Acq: 15 Oct 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 43 Resp: 1502

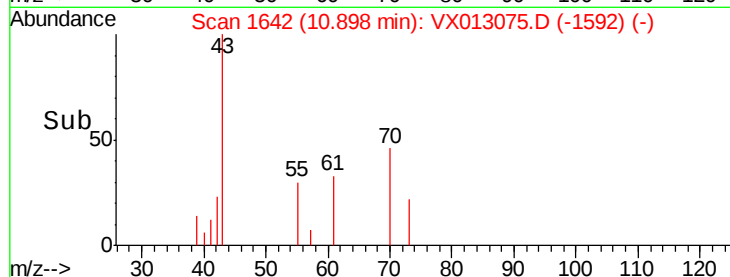
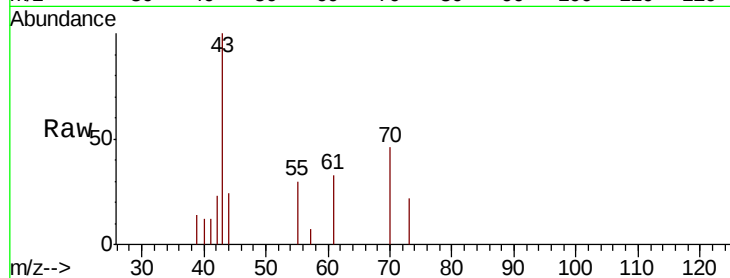
Ion Ratio Lower Upper

43 100

70 40.1 36.4 54.6

55 18.5 20.2 30.2#

61 18.4 20.5 30.7#

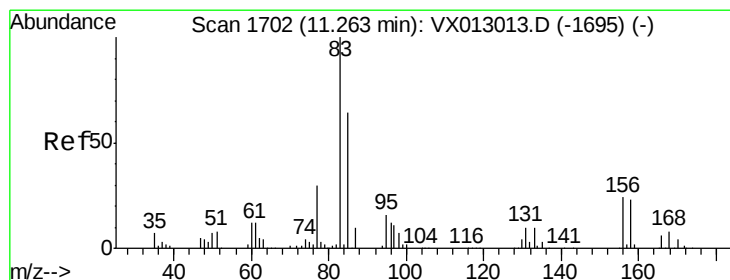
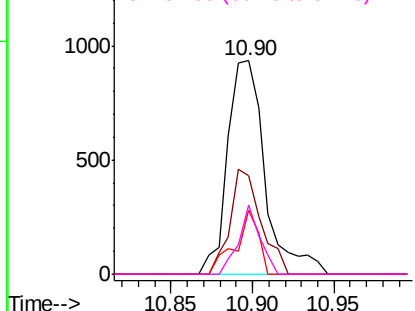


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 0.490 ug/l

RT: 11.27 min Scan# 1703

Delta R.T. 0.01 min

Lab File: VX013075.D

Acq: 15 Oct 2019 14:07

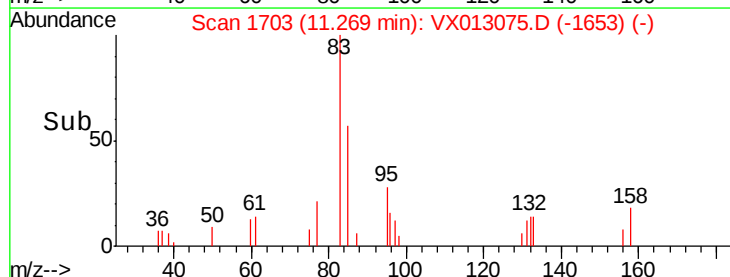
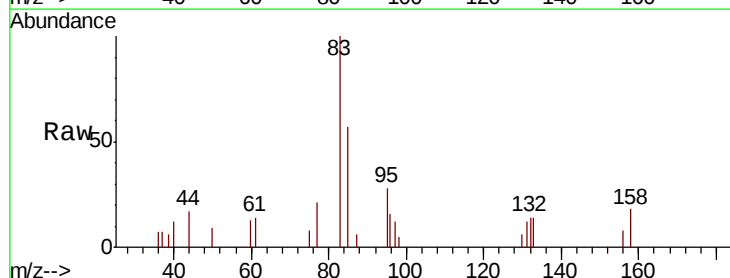
Tgt Ion: 83 Resp: 1238

Ion Ratio Lower Upper

83 100

131 8.8 5.1 15.3

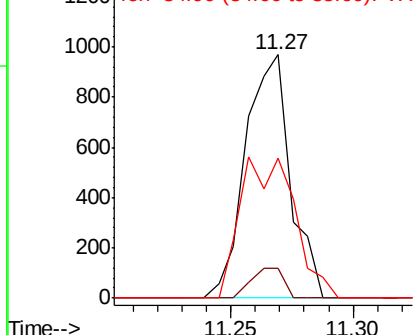
85 70.4 32.1 96.5

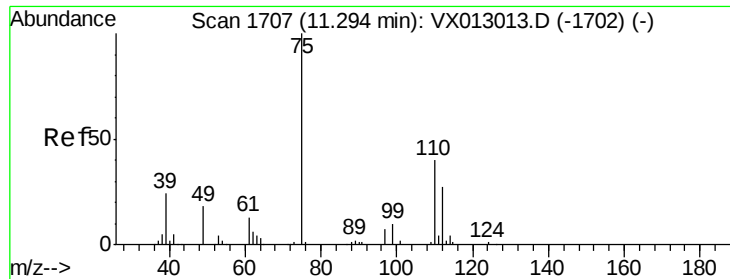


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

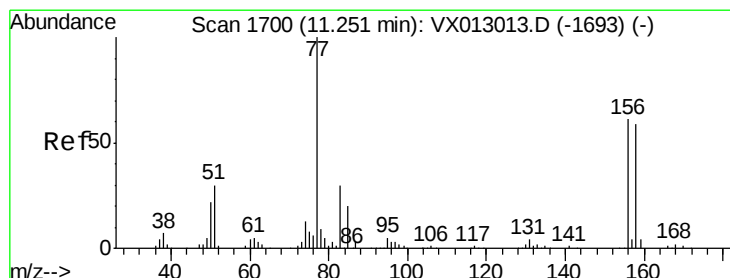
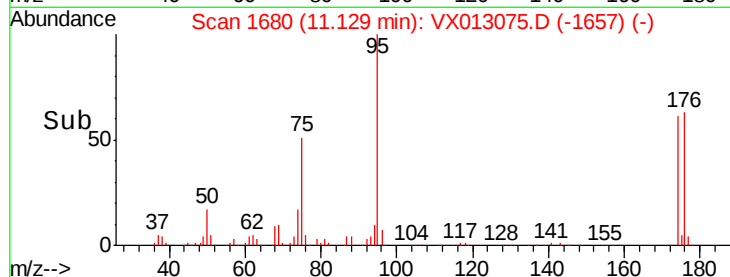
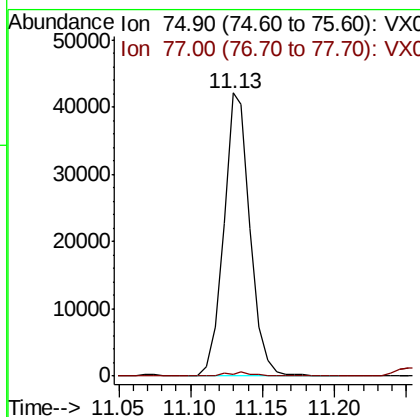
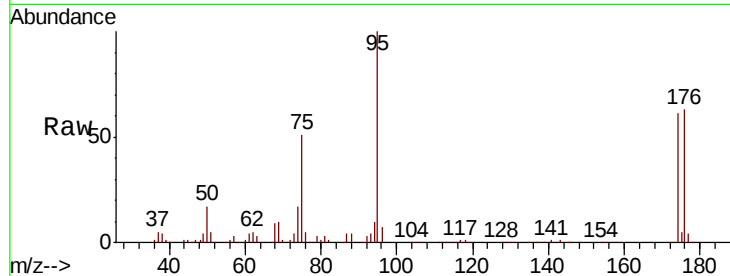




#76
 1,2,3-Trichloropropane
 Concen: 23.575 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX013075.D
 Acq: 15 Oct 2019 14:07

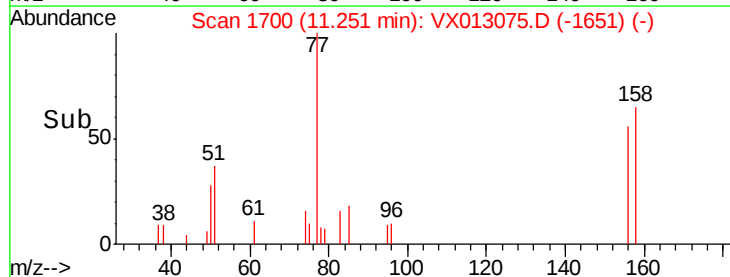
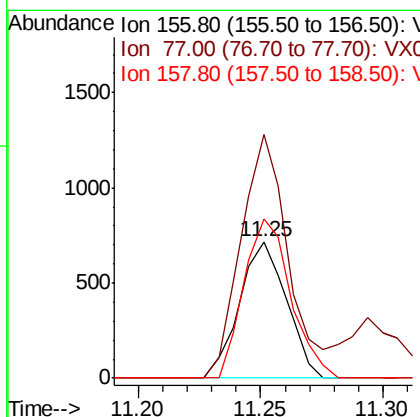
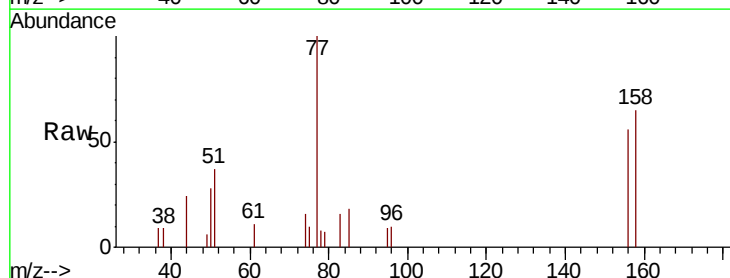
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019DL

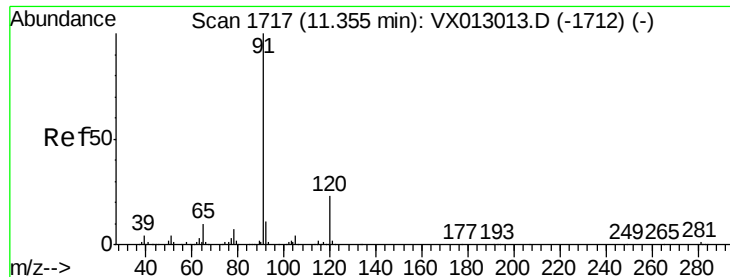
Tot Ion: 75 Resp: 54061
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.9 68.8#



#77
 Bromobenzene
 Concen: 0.533 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VX013075.D
 Acq: 15 Oct 2019 14:07

Tgt Ion: 156 Resp: 954
 Ion Ratio Lower Upper
 156 100
 77 178.5 83.7 251.0
 158 116.5 48.6 145.9





#78

n-propylbenzene

Concen: 0.493 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013075.D

Acq: 15 Oct 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

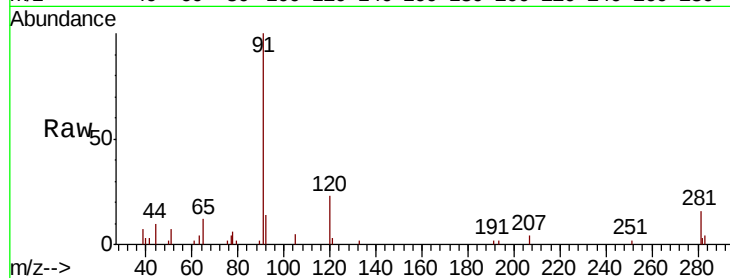
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 91 Resp: 4120

Ion Ratio Lower Upper

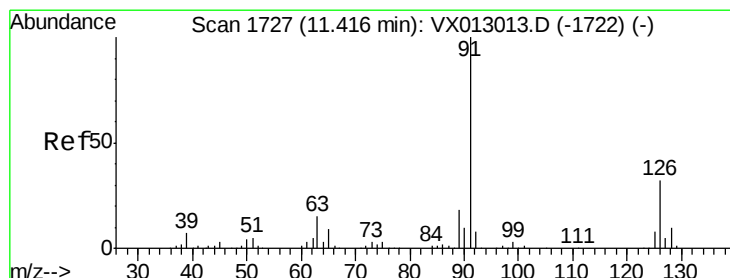
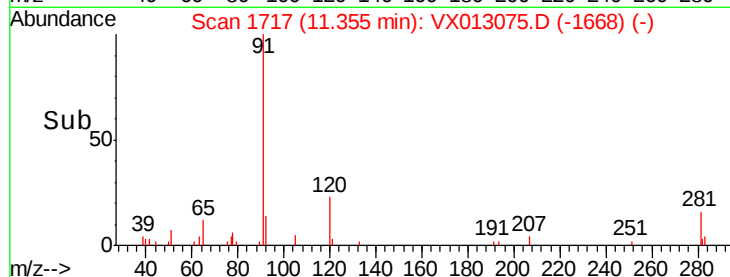
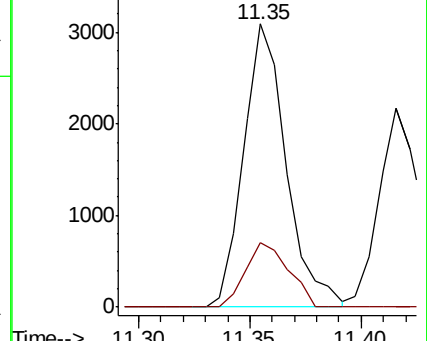
91 100

120 23.0 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.526 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013075.D

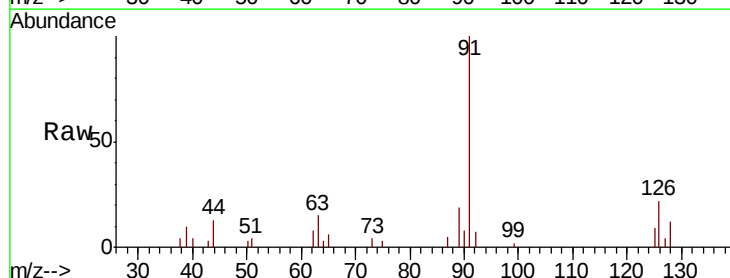
Acq: 15 Oct 2019 14:07

Tgt Ion: 91 Resp: 2766

Ion Ratio Lower Upper

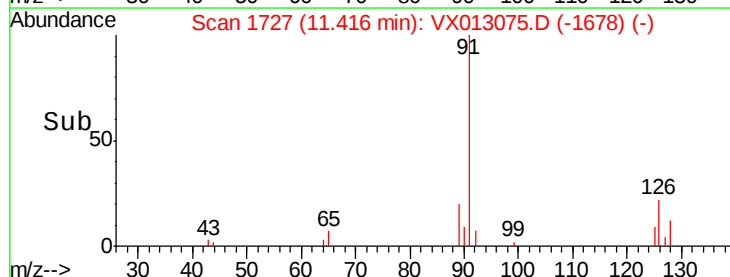
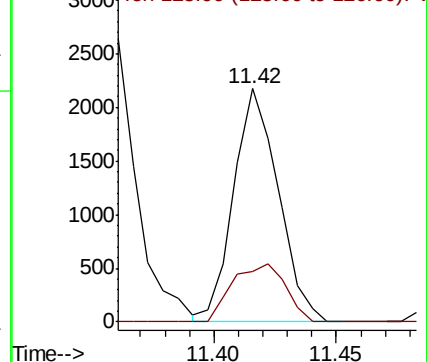
91 100

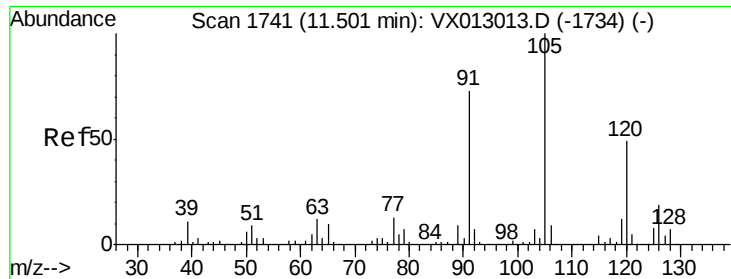
126 29.3 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 0.516 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013075.D

Acq: 15 Oct 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

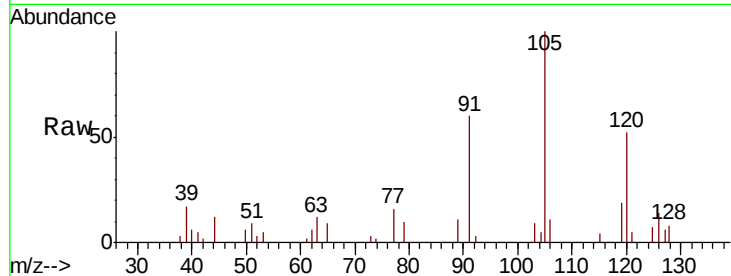
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion:105 Resp: 3272

Ion Ratio Lower Upper

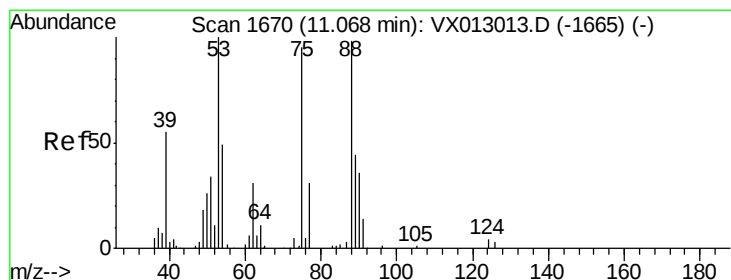
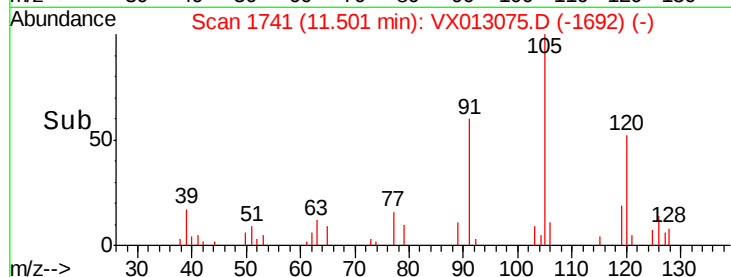
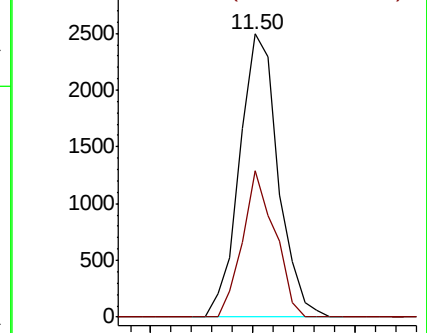
105 100

120 43.2 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 59.755 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013075.D

Acq: 15 Oct 2019 14:07

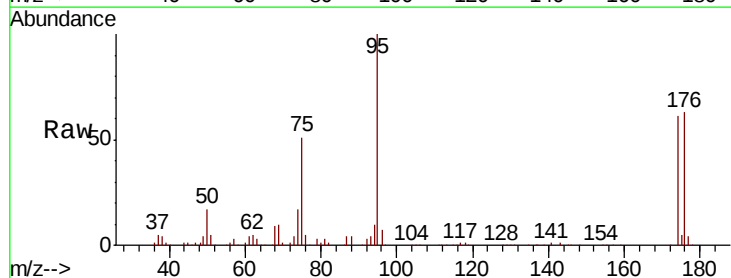
Tgt Ion: 75 Resp: 54061

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

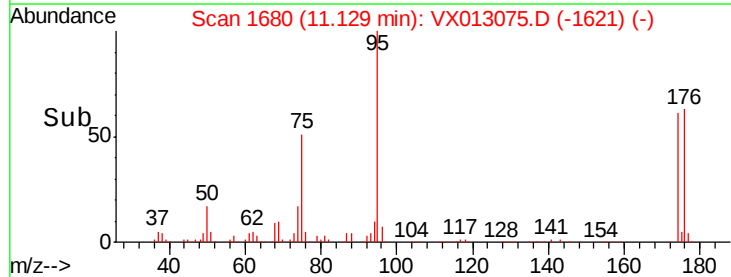
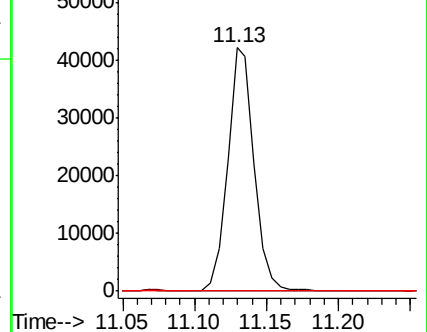
89 0.0 37.4 56.2#

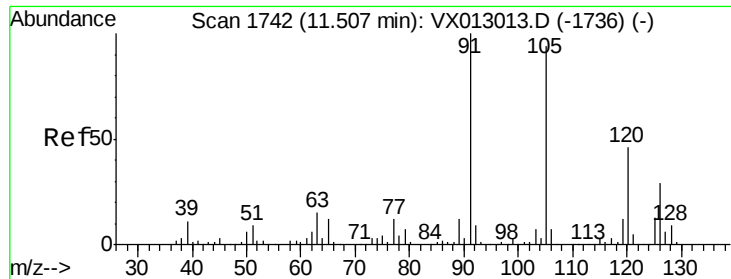


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

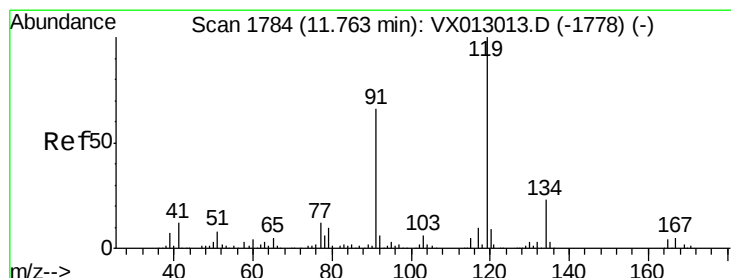
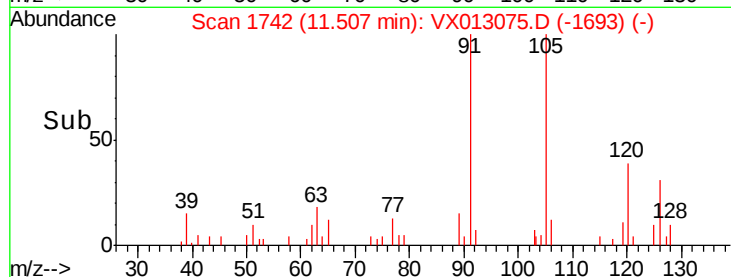
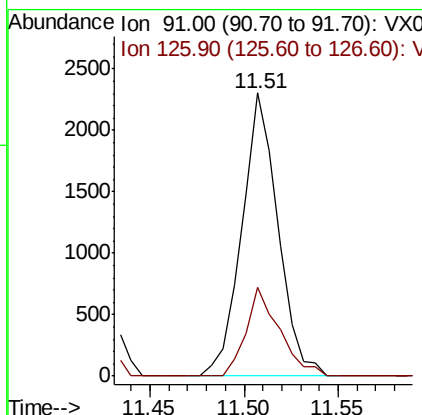
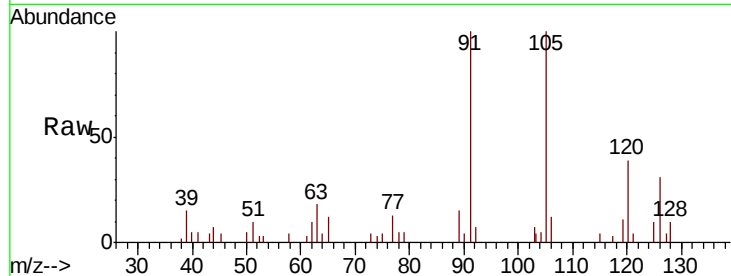




#82
4-Chlorotoluene
Concen: 0.510 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX013075.D
Acq: 15 Oct 2019 14:07

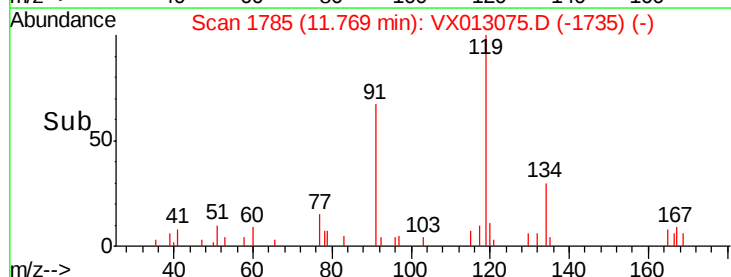
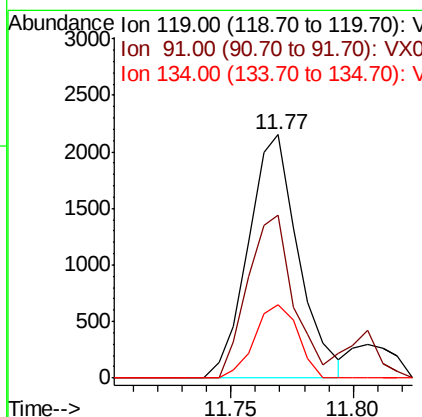
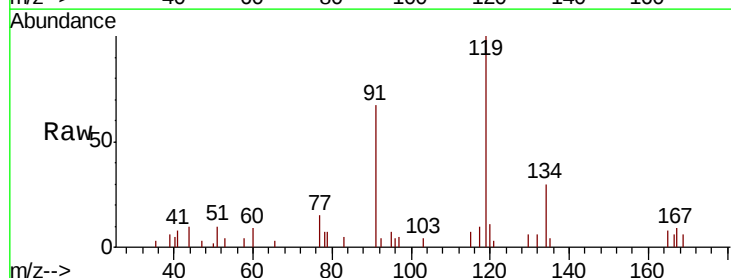
Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

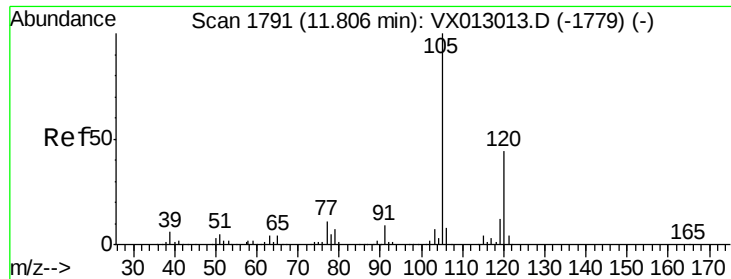
Tot Ion: 91 Resp: 3070
Ion Ratio Lower Upper
91 100
126 28.9 14.2 42.6



#83
tert-Butylbenzene
Concen: 0.496 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VX013075.D
Acq: 15 Oct 2019 14:07

Tgt Ion: 119 Resp: 3073
Ion Ratio Lower Upper
119 100
91 61.1 29.3 87.9
134 26.1 11.5 34.4

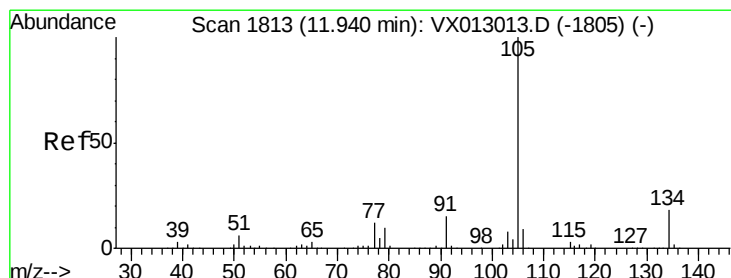
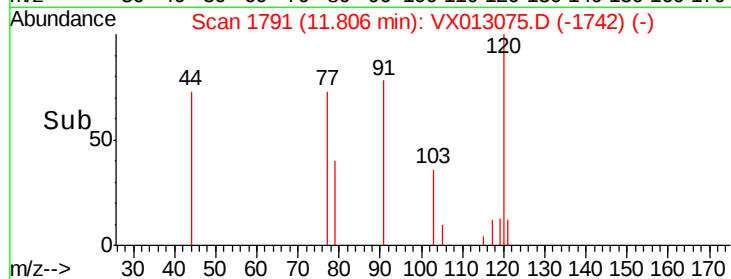
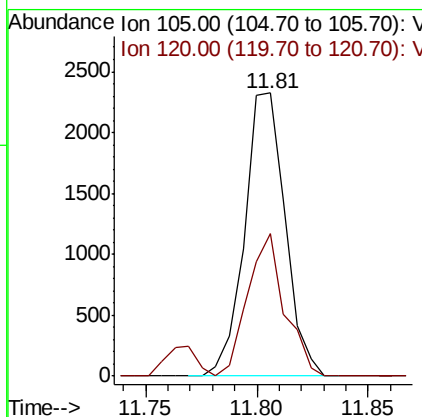
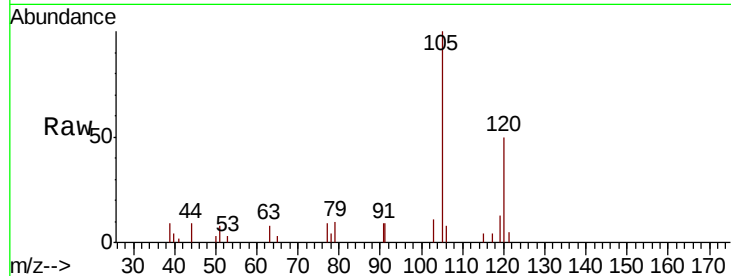




#84
 1,2,4-Trimethylbenzene
 Concen: 0.460 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX013075.D
 Acq: 15 Oct 2019 14:07

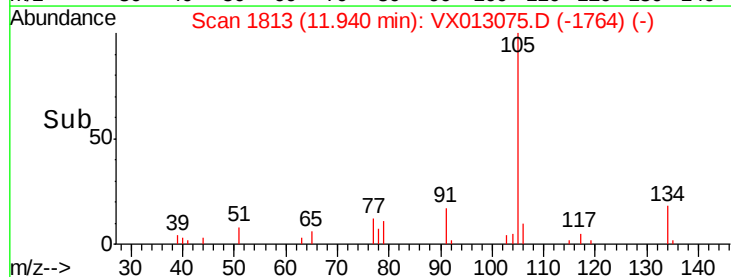
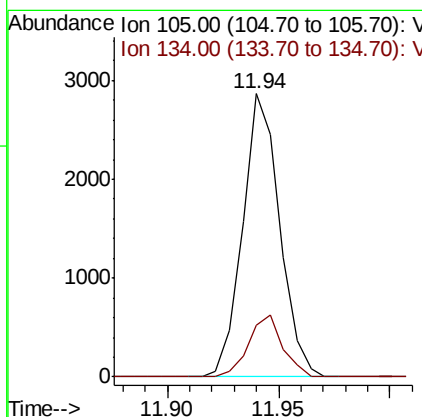
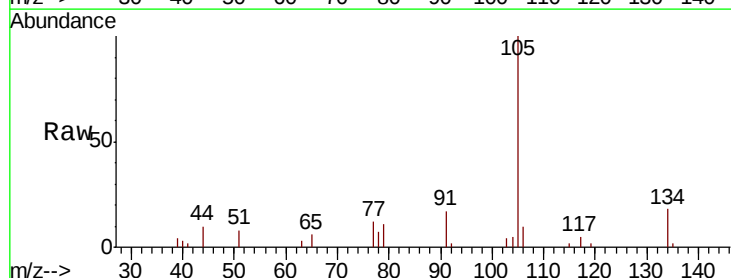
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019DL

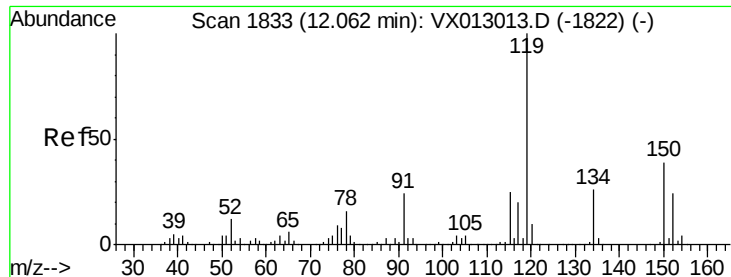
Tot Ion:105 Resp: 2960
 Ion Ratio Lower Upper
 105 100
 120 45.7 21.8 65.3



#85
 sec-Butylbenzene
 Concen: 0.462 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013075.D
 Acq: 15 Oct 2019 14:07

Tgt Ion:105 Resp: 3314
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.0 30.0

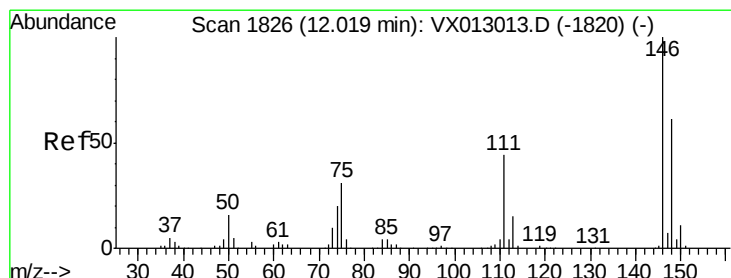
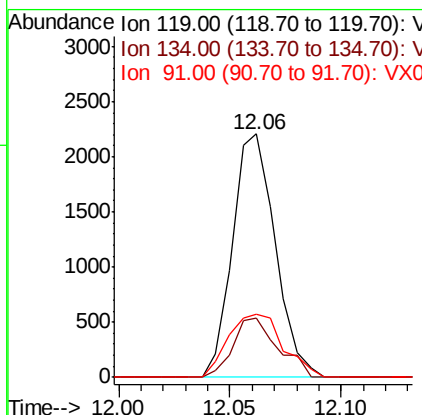
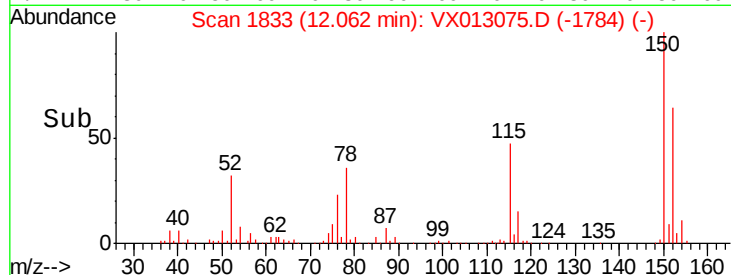
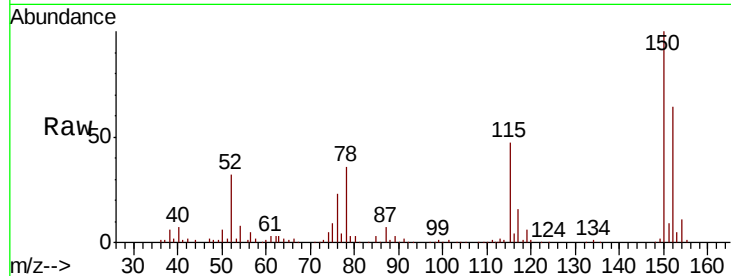




#86
p-Isopropyltoluene
Concen: 0.444 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX013075.D
Acq: 15 Oct 2019 14:07

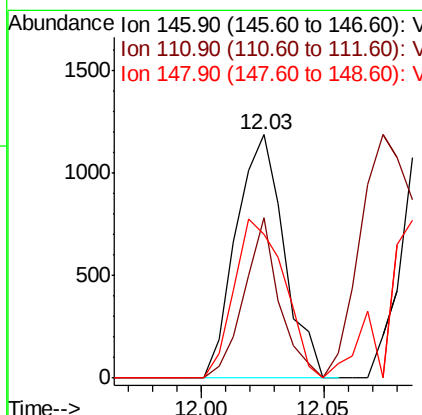
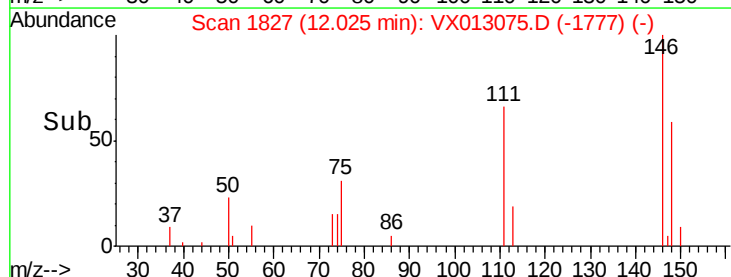
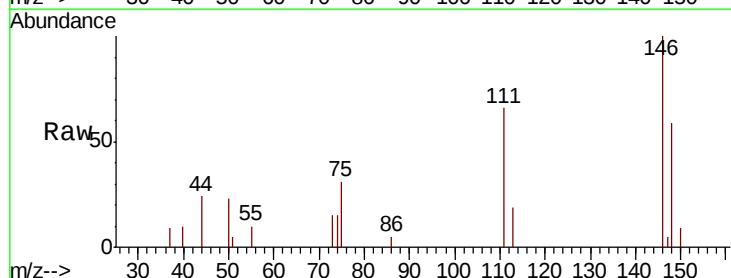
Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

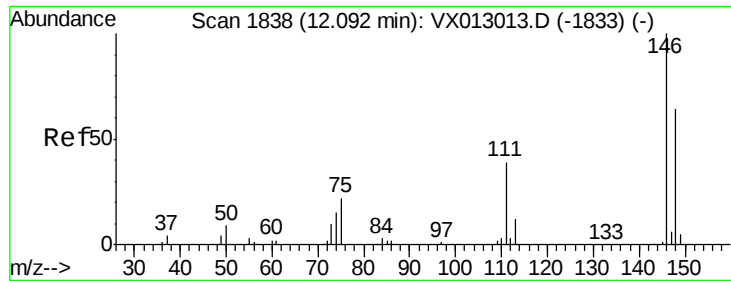
Tot Ion:119 Resp: 2952
Ion Ratio Lower Upper
119 100
134 25.5 12.6 37.8
91 33.3 12.4 37.4



#87
1,3-Dichlorobenzene
Concen: 0.486 ug/l
RT: 12.03 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VX013075.D
Acq: 15 Oct 2019 14:07

Tgt Ion:146 Resp: 1616
Ion Ratio Lower Upper
146 100
111 48.8 21.1 63.4
148 68.4 31.6 95.0

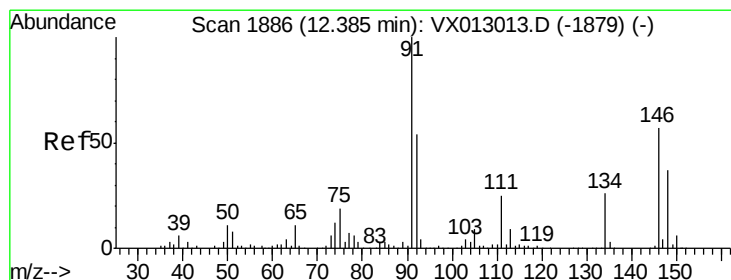
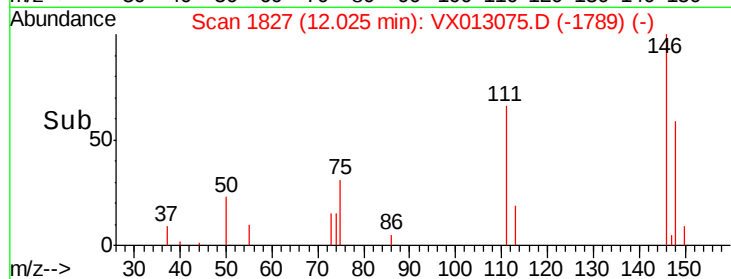
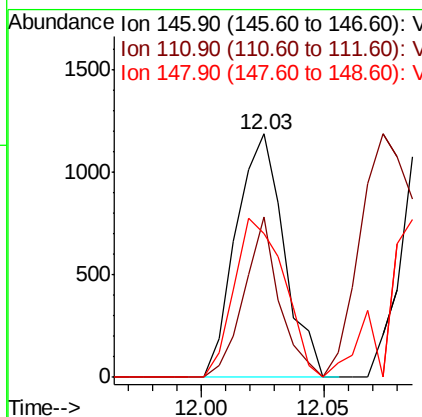
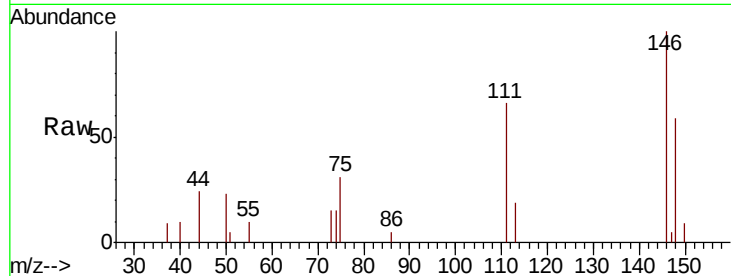




#88
 1,4-Dichlorobenzene
 Concen: 0.480 ug/l
 RT: 12.03 min Scan# 1827
 Delta R.T. -0.07 min
 Lab File: VX013075.D
 Acq: 15 Oct 2019 14:07

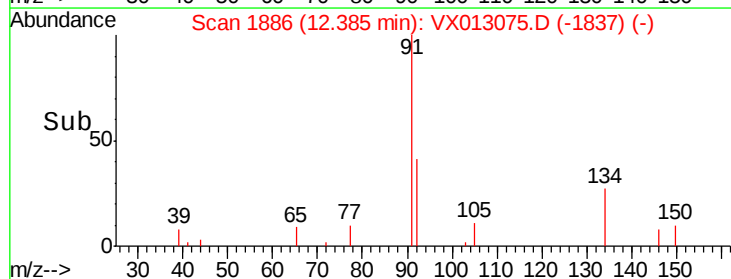
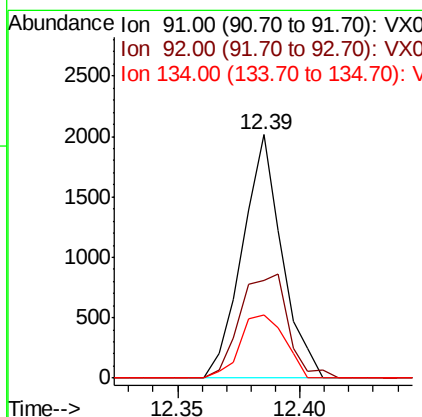
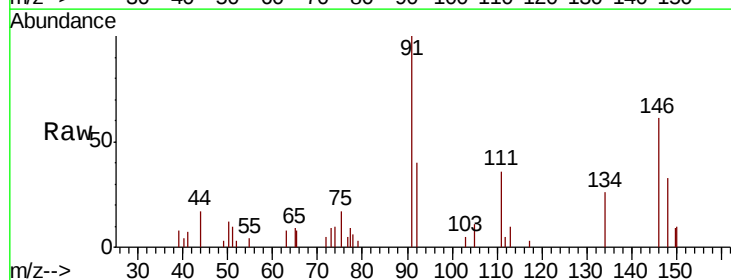
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019DL

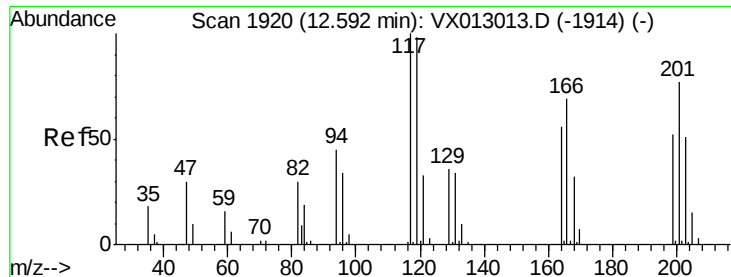
Tot Ion:146 Resp: 1616
 Ion Ratio Lower Upper
 146 100
 111 48.8 21.4 64.3
 148 68.4 32.1 96.5



#89
 n-Butylbenzene
 Concen: 0.405 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013075.D
 Acq: 15 Oct 2019 14:07

Tgt Ion: 91 Resp: 2266
 Ion Ratio Lower Upper
 91 100
 92 51.9 27.5 82.5
 134 29.5 12.9 38.7

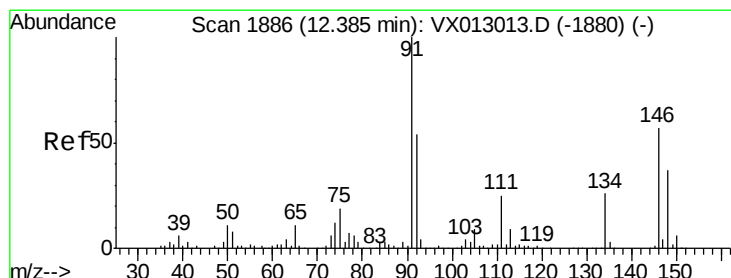
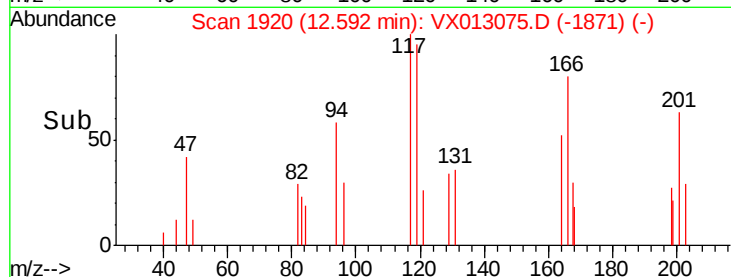
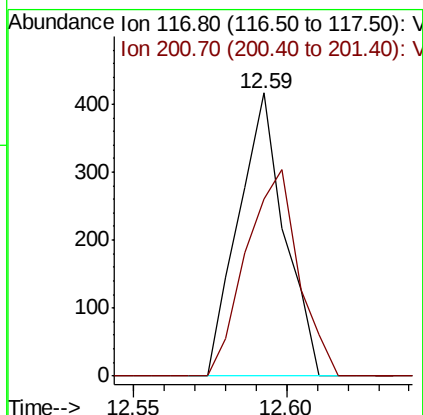
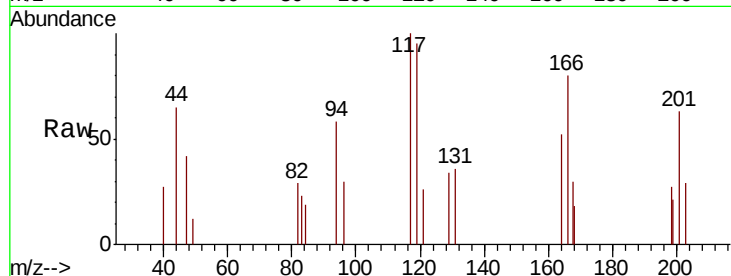




#90
Hexachloroethane
Concen: 2.455 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013075.D
Acq: 15 Oct 2019 14:07

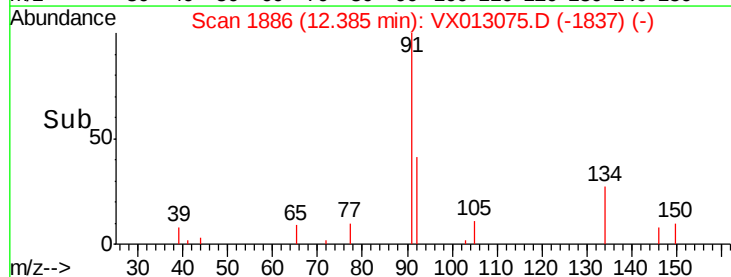
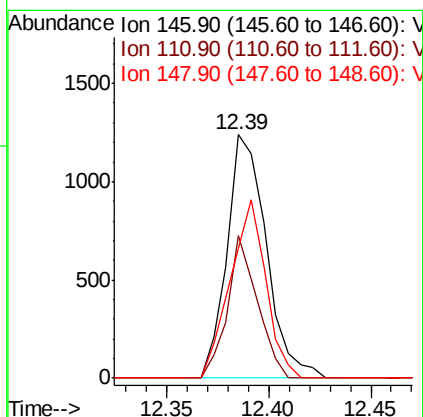
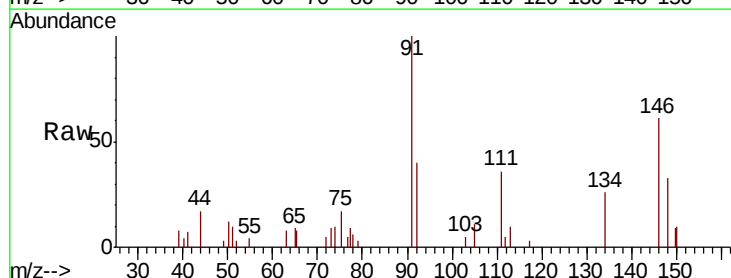
Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

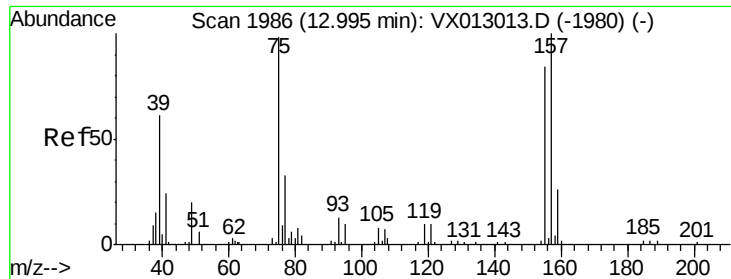
Tot Ion:117 Resp: 433
Ion Ratio Lower Upper
117 100
201 83.4 36.9 110.7



#91
1,2-Dichlorobenzene
Concen: 0.507 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013075.D
Acq: 15 Oct 2019 14:07

Tgt Ion:146 Resp: 1652
Ion Ratio Lower Upper
146 100
111 44.4 22.7 68.0
148 66.2 31.6 94.7





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.412 ug/l

RT: 13.01 min Scan# 1988

Delta R.T. 0.01 min

Lab File: VX013075.D

Acq: 15 Oct 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

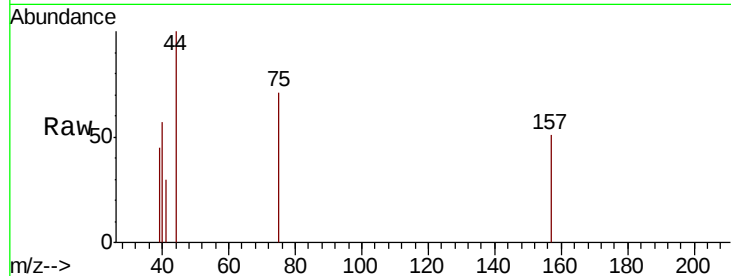
Tot Ion: 75 Resp: 244

Ion Ratio Lower Upper

75 100

155 61.9 43.0 128.8

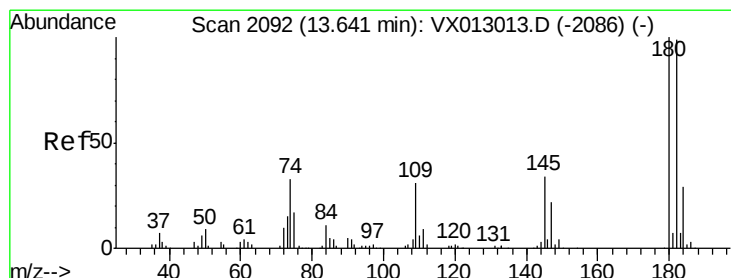
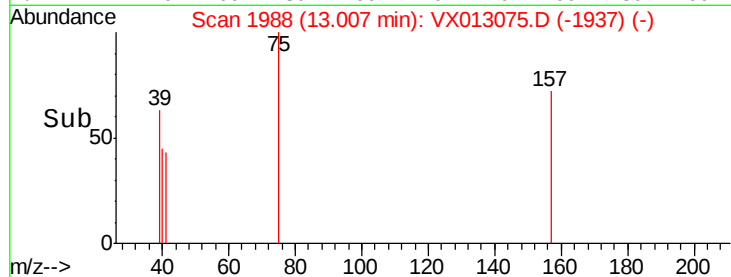
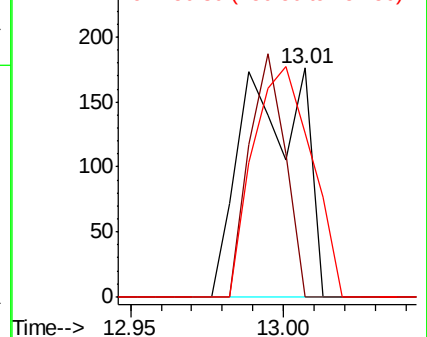
157 96.7 54.1 162.3



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



#93

1,2,4-Trichlorobenzene

Concen: 0.426 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. -0.00 min

Lab File: VX013075.D

Acq: 15 Oct 2019 14:07

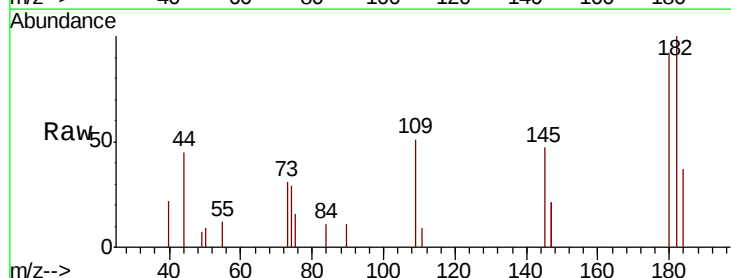
Tgt Ion: 180 Resp: 871

Ion Ratio Lower Upper

180 100

182 102.5 46.8 140.4

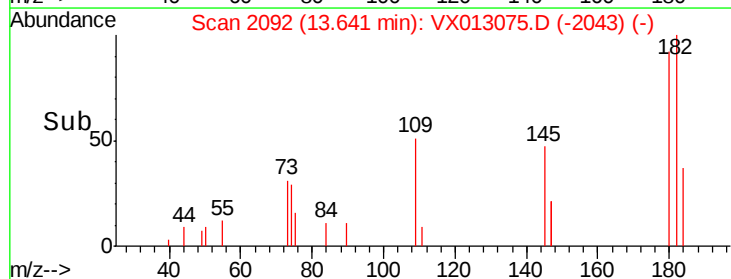
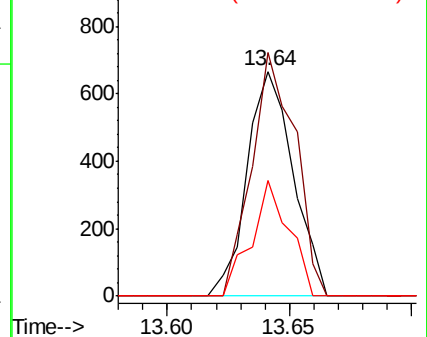
145 41.9 16.2 48.6

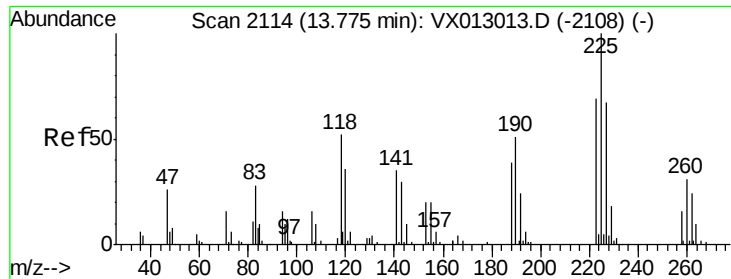


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

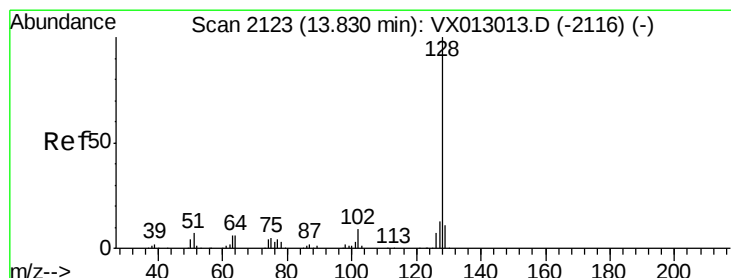
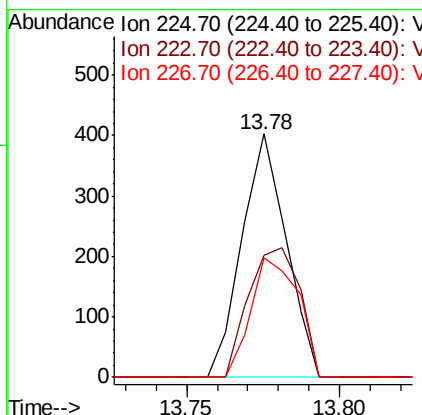
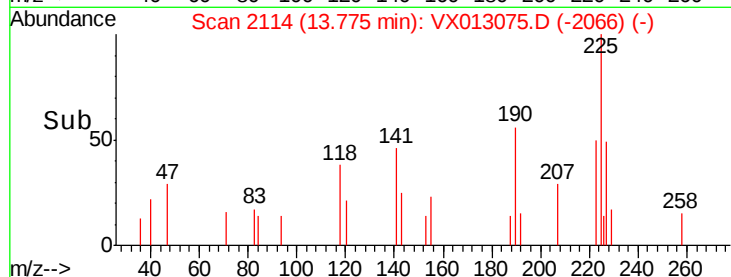
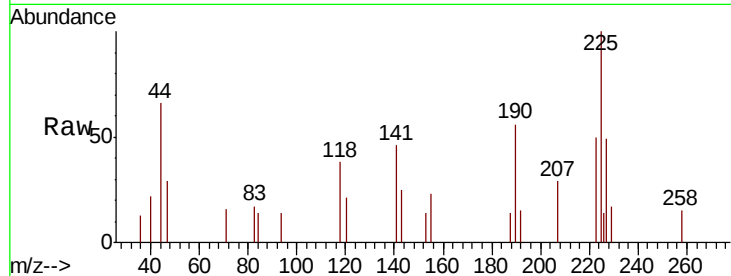




#94
Hexachlorobutadiene
Concen: 0.430 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. -0.01 min
Lab File: VX013075.D
Acq: 15 Oct 2019 14:07

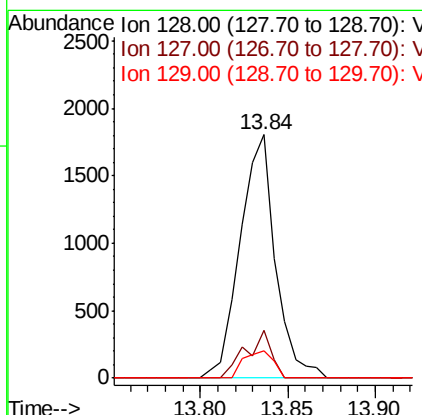
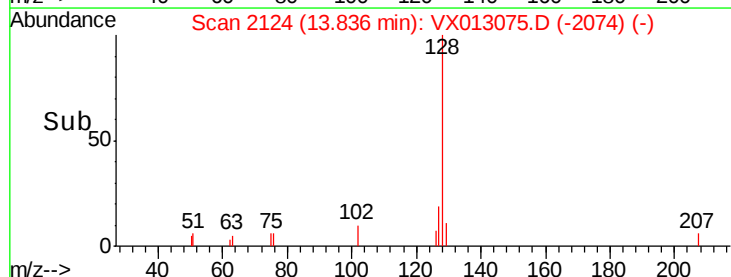
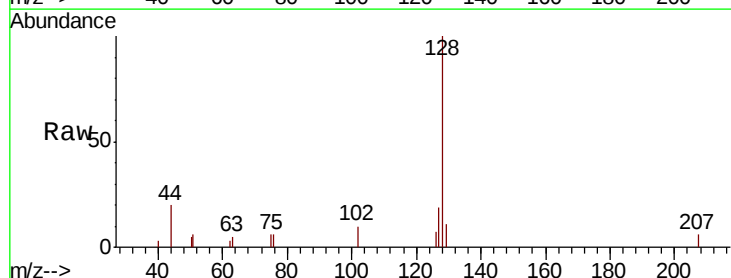
Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

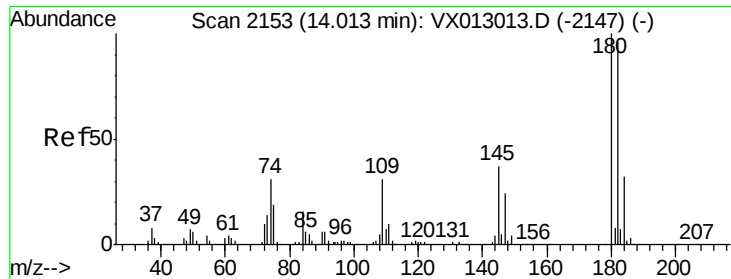
Tot Ion:225 Resp: 405
Ion Ratio Lower Upper
225 100
223 61.7 31.1 93.2
227 52.3 32.3 96.9



#95
Naphthalene
Concen: 0.357 ug/l
RT: 13.84 min Scan# 2124
Delta R.T. 0.01 min
Lab File: VX013075.D
Acq: 15 Oct 2019 14:07

Tgt Ion:128 Resp: 2526
Ion Ratio Lower Upper
128 100
127 14.2 10.2 15.4
129 9.2 8.8 13.2

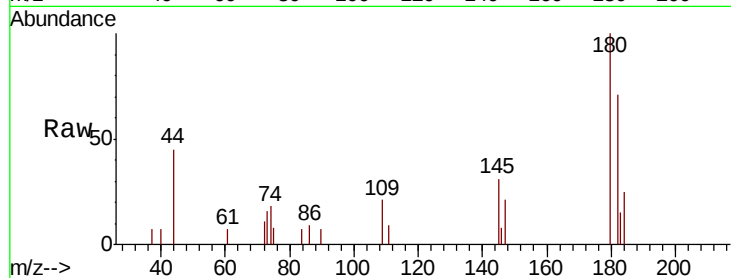




#96
 1,2,3-Trichlorobenzene
 Concen: 0.477 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VX013075.D
 Acq: 15 Oct 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	84.6	47.5	142.5
145	36.6	17.4	52.3



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

