

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072718\
 Data File : VX003720.D
 Acq On : 27 Jul 2018 17:29
 Operator : JC/SP
 Sample : J4086-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1513

Quant Time: Jul 28 02:28:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 27 16:17:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	23421	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	111975	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	96701	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	49589	28.84	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.13%
60) 4-Bromofluorobenzene	11.14	95	47467	30.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.63%
63) Toluene-d8	8.72	98	134340	30.84	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.80%

Target Compounds

						Ovalue
3) Chloromethane	1.32	50	63133	37.92	ug/l	100
4) Vinyl Chloride	1.40	62	61483	35.11	ug/l	99
5) Bromomethane	1.64	94	77850	74.38	ug/l	100
6) Chloroethane	1.73	64	97356	84.94	ug/l	97
7) Trichlorofluoromethane	1.93	101	151051	64.14	ug/l	99
11) Methyl Iodide	2.51	142	496	0.27	ug/l #	84
12) Methyl Acetate	2.78	43	2183	0.88	ug/l	100
13) Acrolein	2.30	56	70	0.36	ug/l #	2
14) Acrylonitrile	3.15	53	289	0.30	ug/l #	64
15) Acetone	2.45	58	139	0.52	ug/l #	10
16) Carbon Disulfide	2.57	76	1658	0.44	ug/l #	93
18) Methylene Chloride	2.86	84	523	0.33	ug/l #	89
19) trans-1,2-Dichloroethene	3.16	96	64782	44.63	ug/l	99
21) 1,1-Dichloroethane	3.70	63	190824	66.05	ug/l	100
22) cis-1,2-Dichloroethene	4.60	96	178176	121.56	ug/l #	64
23) tert-Butyl Alcohol	3.16	59	3020	7.34	ug/l #	94
24) Methyl tert-Butyl Ether	3.21	73	109643	22.77	ug/l	92
25) Chloroform	5.21	83	88350	35.31	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	35444	18.73	ug/l	98
33) Carbon Tetrachloride	5.49	117	4804	2.92	ug/l	94
36) 1,2-Dichloroethane	6.20	62	252451	138.25	ug/l	97
37) Trichloroethene	7.21	130	37293	28.16	ug/l	99
39) 1,2-Dichloropropane	7.52	63	119032	88.66	ug/l	97
40) Dibromomethane	7.67	93	260	0.30	ug/l	79
41) Bromodichloromethane	7.90	83	151920	91.52	ug/l	99
45) 1,4-Dioxane	7.90	88	157	4.67	ug/l #	46
48) t-1,3-Dichloropropene	8.44	75	207703	103.12	ug/l	98
49) cis-1,3-Dichloropropene	9.04	75	109824	58.11	ug/l	95
52) 1,3-Dichloropropane	9.04	76	3996	1.74	ug/l	96
53) Dibromochloromethane	9.59	129	104194	76.91	ug/l	99
54) 1,2-Dibromoethane	9.68	107	92697	64.27	ug/l	99
56) Bromoform	10.86	173	16939	16.11	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	229698	125.80	ug/l	95
62) Toluene	8.79	91	220388	43.91	ug/l	98
64) Chlorobenzene	10.14	112	354561	109.31	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.23	131	269	0.23	ug/l	94
66) Ethyl Benzene	10.26	91	206197	37.33	ug/l	100

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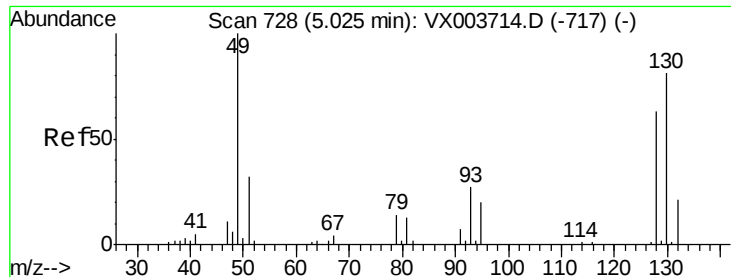
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

67) m/p-Xylenes	10.36	106	180110	84.66	ug/l	100
68) o-Xylene	10.70	106	186010	91.40	ug/l	99
69) Styrene	10.70	104	9768	2.83	ug/l #	1
70) Isopropylbenzene	11.02	105	1356	0.24	ug/l	95
71) 1,1,2,2-Tetrachloroethane	11.30	83	3730	1.86	ug/l #	95
72) 1,2,3-Trichloropropane	11.30	75	138553	83.27	ug/l	93
77) t-1,4-Dichloro-2-butene	11.14	75	24214	42.70	ug/l #	11
80) 1,2,4-Trimethylbenzene	11.81	105	189140	38.87	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	274841	98.99	ug/l	100
87) 1,2-Dichlorobenzene	12.40	146	202777	73.25	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.01	75	7601	18.00	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	193985	99.79	ug/l	100
91) Naphthalene	13.83	128	693469	116.73	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	1372	0.69	ug/l	98

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



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX003720.D

Acq: 27 Jul 2018 17:29

Instrument :

MSVOA_X

ClientSampleId :

1513

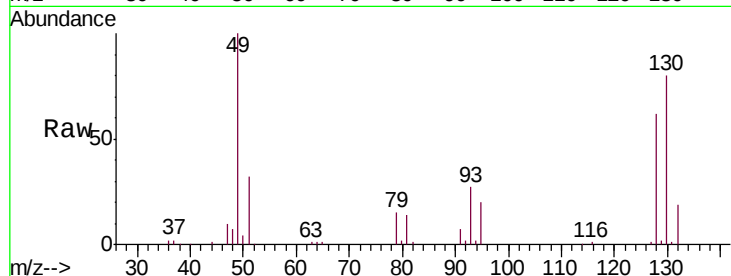
Tot Ion:128 Resp: 23421

Ion Ratio Lower Upper

128 100

49 163.8 0.0 423.0

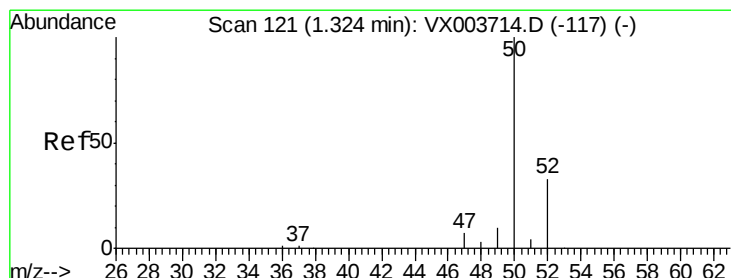
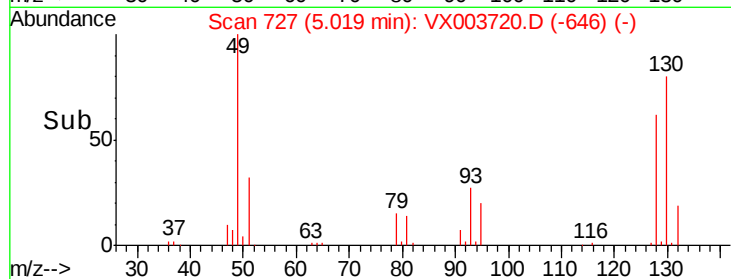
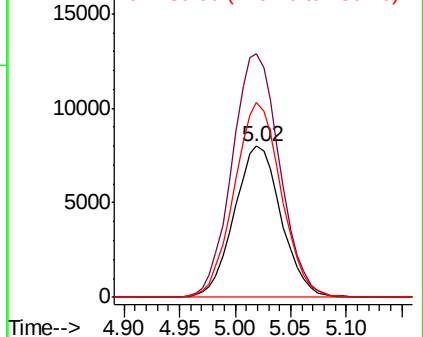
130 129.3 0.0 324.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#3

Chloromethane

Concen: 37.92 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003720.D

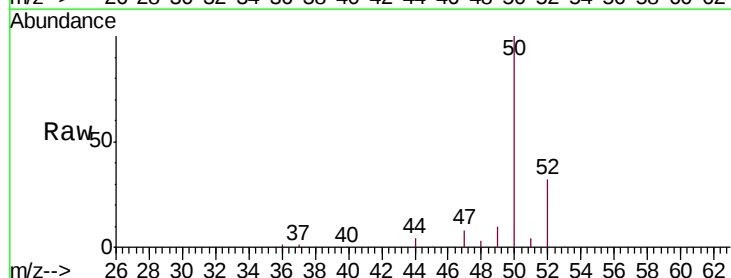
Acq: 27 Jul 2018 17:29

Tgt Ion: 50 Resp: 63133

Ion Ratio Lower Upper

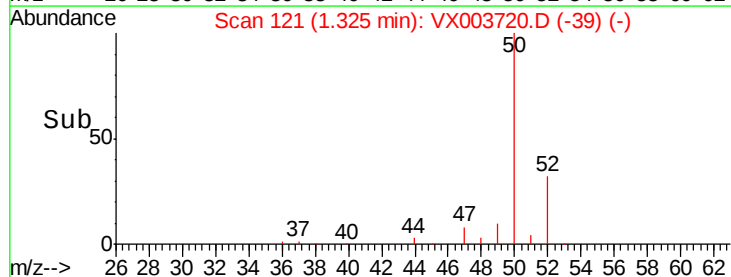
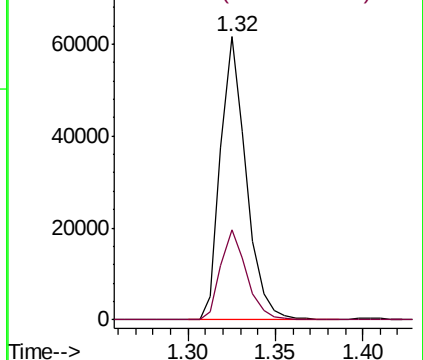
50 100

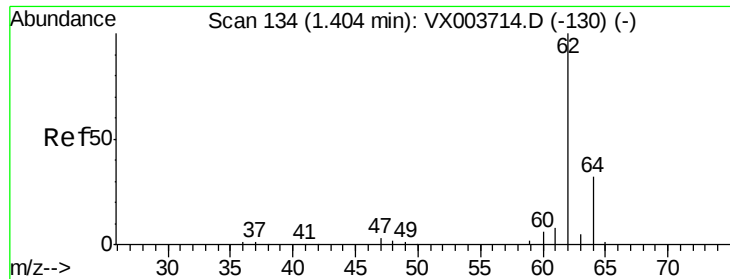
52 32.0 25.6 38.4



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#4

Vinyl Chloride

Concen: 35.11 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003720.D

Acq: 27 Jul 2018 17:29

Instrument :

MSVOA_X

ClientSampled :

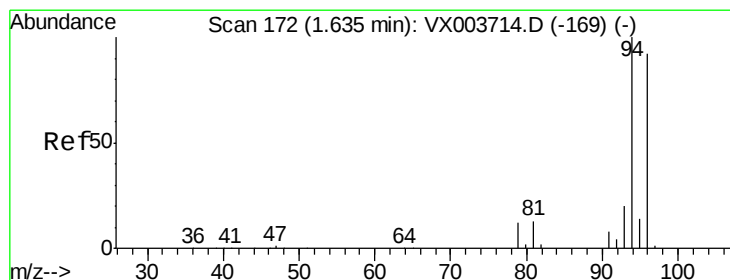
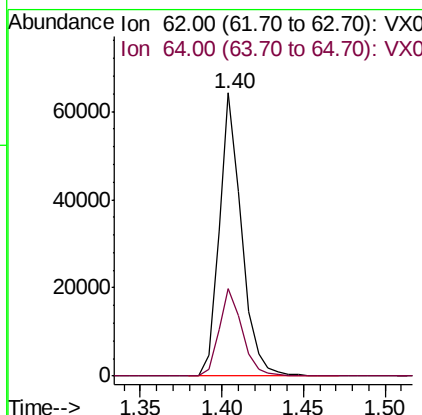
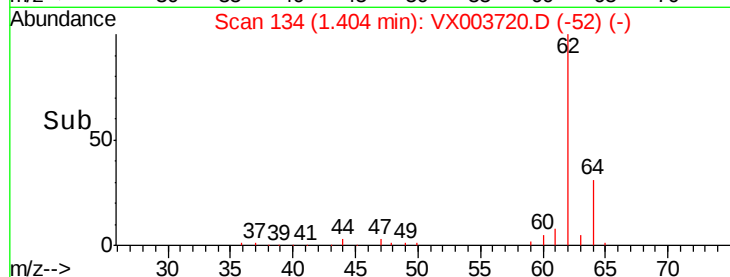
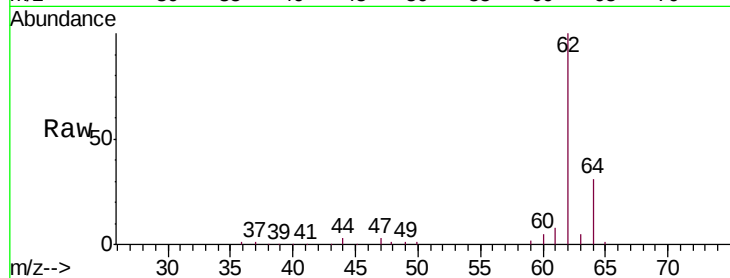
1513

Tot Ion: 62 Resp: 61483

Ion Ratio Lower Upper

62 100

64 31.1 25.3 37.9



#5

Bromomethane

Concen: 74.38 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003720.D

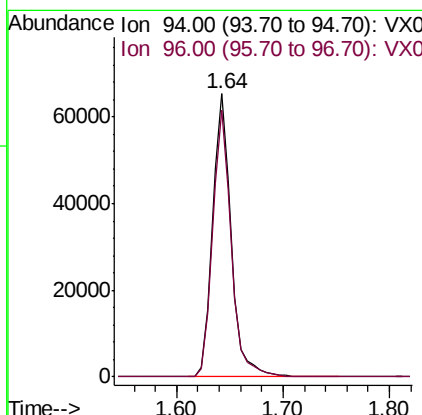
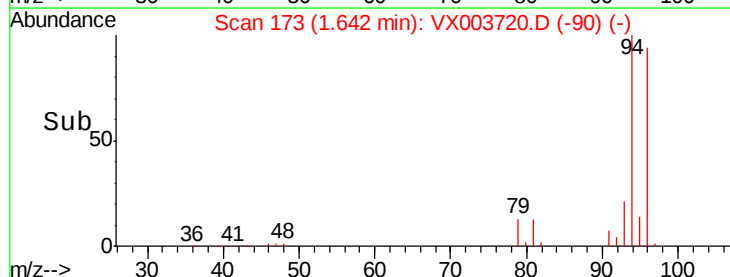
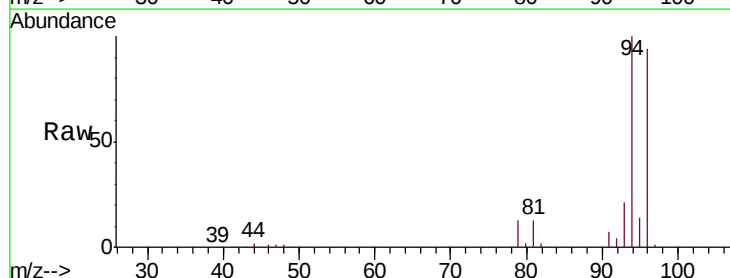
Acq: 27 Jul 2018 17:29

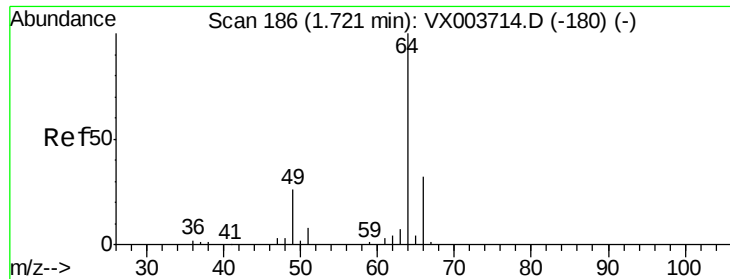
Tgt Ion: 94 Resp: 77850

Ion Ratio Lower Upper

94 100

96 94.4 75.7 113.5





#6

Chloroethane

Concen: 84.94 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX003720.D

Acq: 27 Jul 2018 17:29

Instrument :

MSVOA_X

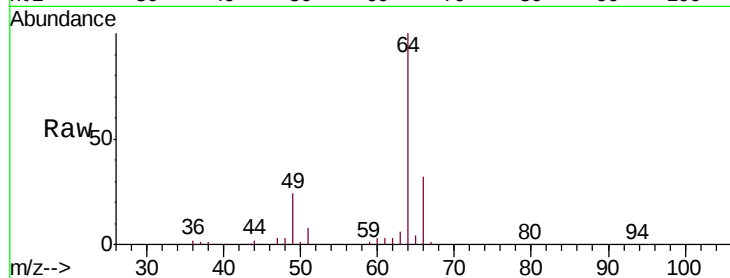
ClientSampleId :
1513

Tot Ion: 64 Resp: 97356

Ion Ratio Lower Upper

64 100

66 31.9 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

1.73

80000

60000

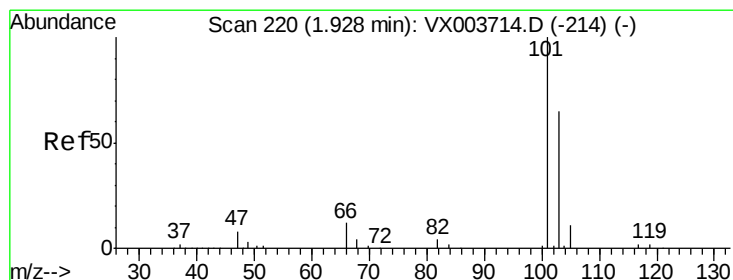
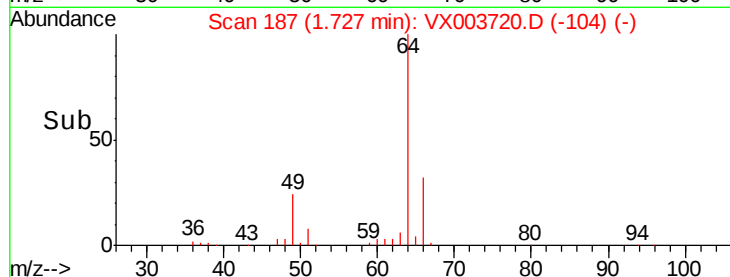
40000

20000

0

Time-->

1.65 1.70 1.75 1.80



#7

Trichlorofluoromethane

Concen: 64.14 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.00 min

Lab File: VX003720.D

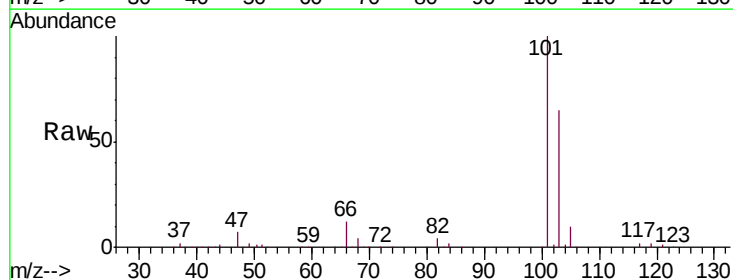
Acq: 27 Jul 2018 17:29

Tgt Ion:101 Resp: 151051

Ion Ratio Lower Upper

101 100

103 64.9 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

120000

100000

80000

60000

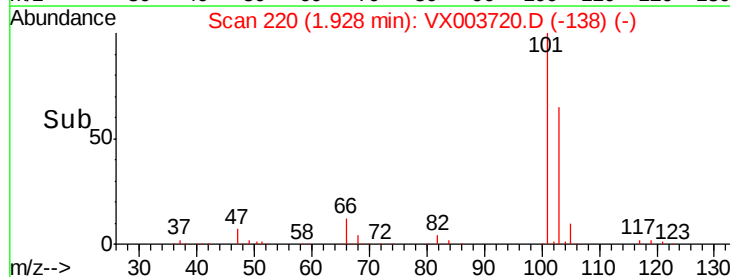
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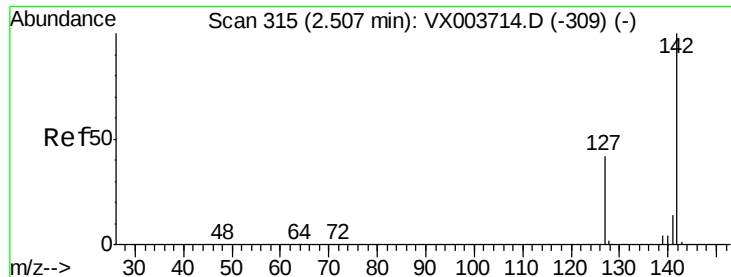
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0

Time-->

1.85 1.90 1.95 2.00 2.05

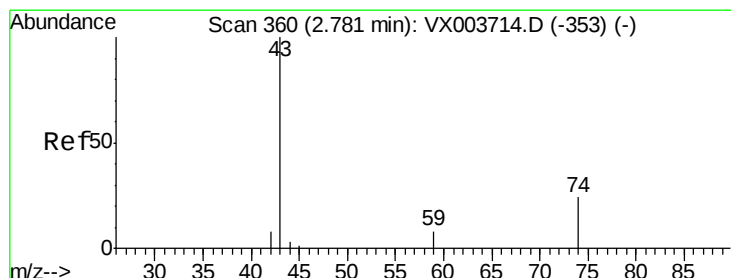
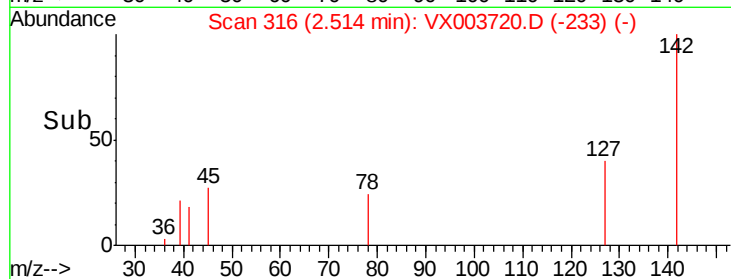
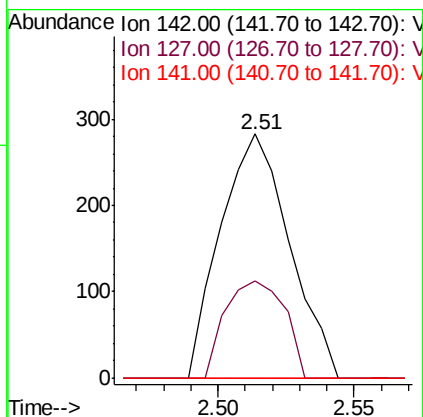
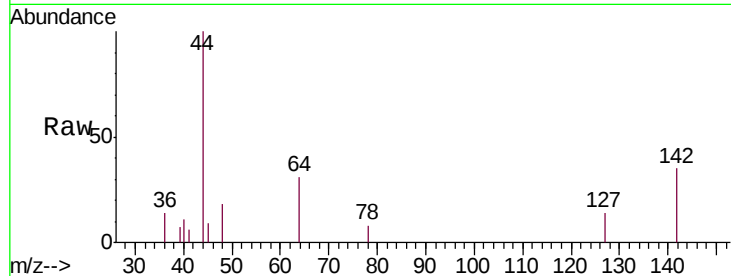




#11
Methyl Iodide
Concen: 0.27 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX003720.D
Acq: 27 Jul 2018 17:29

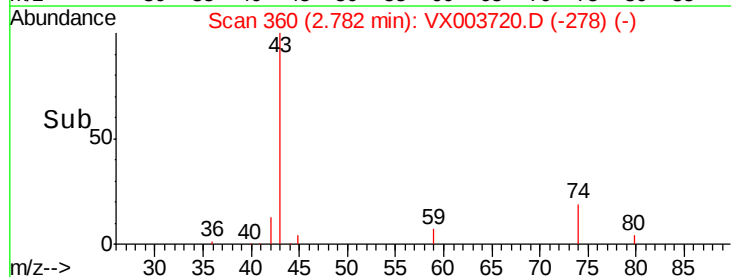
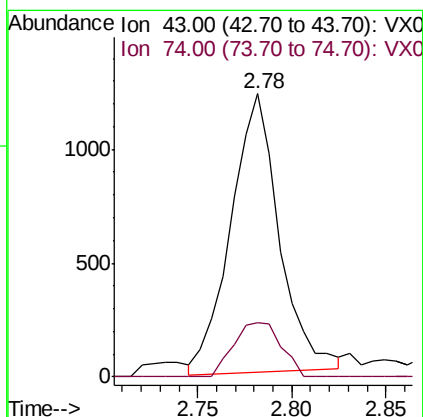
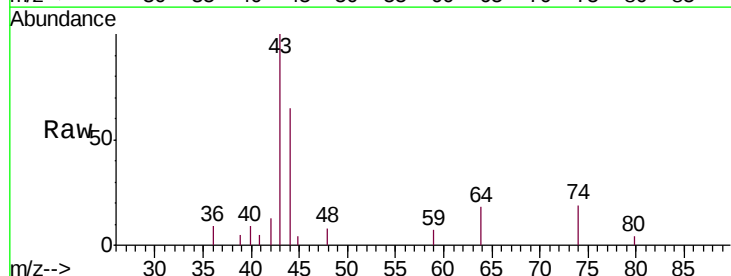
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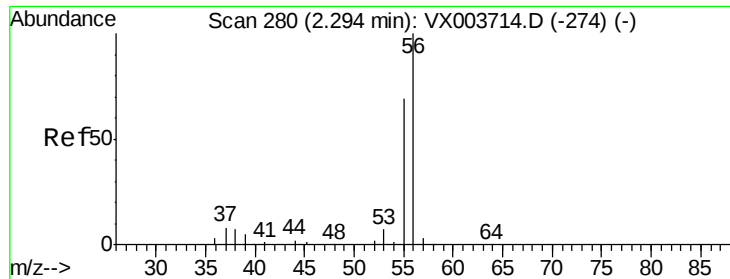
Tot Ion:142 Resp: 496
Ion Ratio Lower Upper
142 100
127 39.9 23.2 69.6
141 0.0 7.4 22.2#



#12
Methyl Acetate
Concen: 0.88 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003720.D
Acq: 27 Jul 2018 17:29

Tgt Ion: 43 Resp: 2183
Ion Ratio Lower Upper
43 100
74 20.3 16.4 24.6

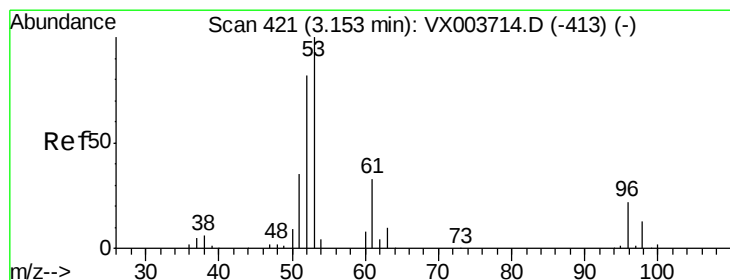
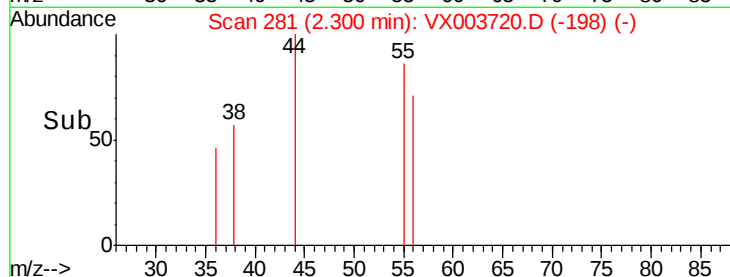
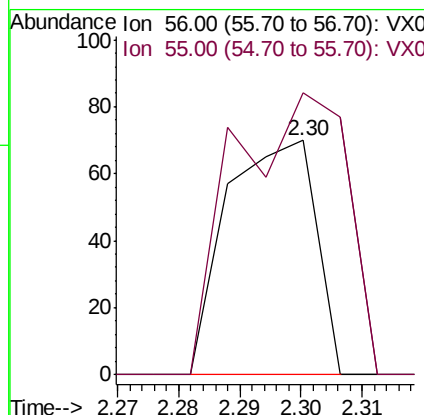
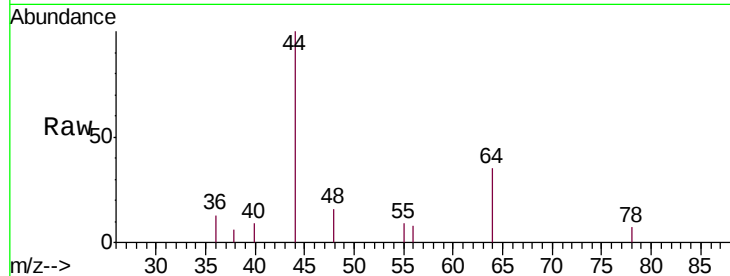




#13
 Acrolein
 Concen: 0.36 ug/l
 RT: 2.30 min Scan# 281
 Delta R.T. 0.01 min
 Lab File: VX003720.D
 Acq: 27 Jul 2018 17:29

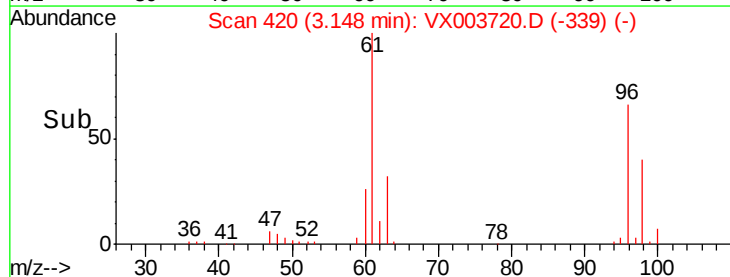
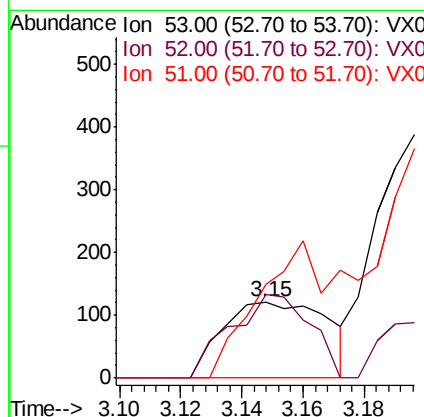
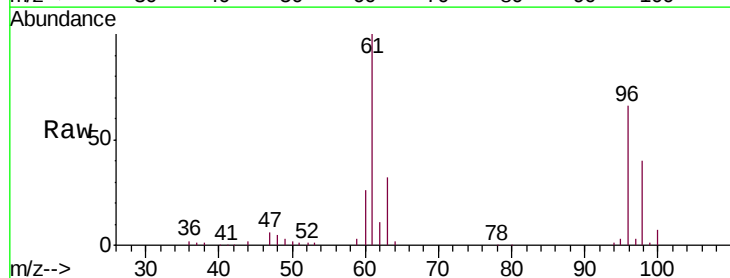
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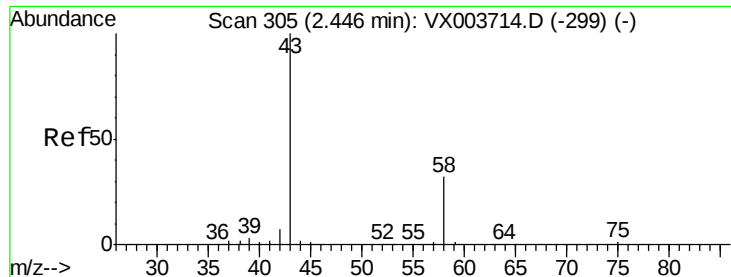
Tot Ion: 56 Resp: 70
 Ion Ratio Lower Upper
 56 100
 55 152.9 57.3 85.9#



#14
 Acrylonitrile
 Concen: 0.30 ug/l
 RT: 3.15 min Scan# 420
 Delta R.T. -0.01 min
 Lab File: VX003720.D
 Acq: 27 Jul 2018 17:29

Tgt Ion: 53 Resp: 289
 Ion Ratio Lower Upper
 53 100
 52 82.4 41.5 124.6
 51 105.5 17.9 53.8#





#15

Acetone

Concen: 0.52 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003720.D

Acq: 27 Jul 2018 17:29

Instrument :

MSVOA_X

ClientSampleId :

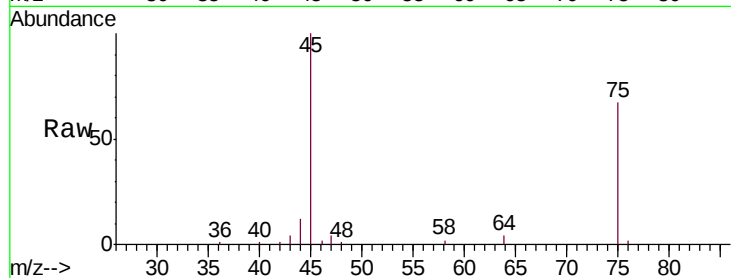
1513

Tot Ion: 58 Resp: 139

Ion Ratio Lower Upper

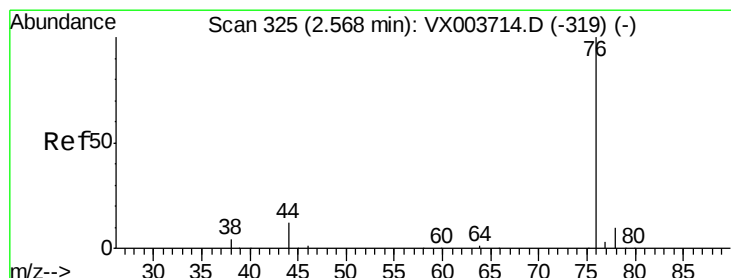
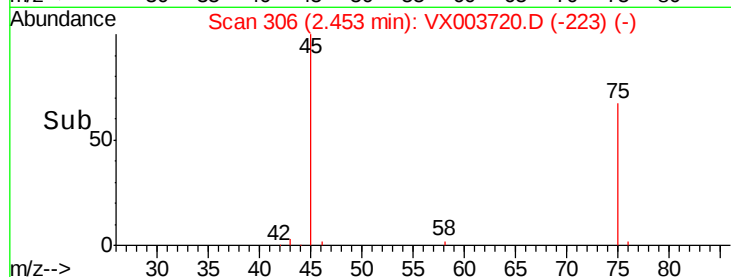
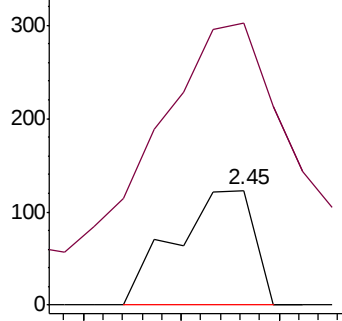
58 100

43 152.8 278.8 418.2#



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 0.44 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003720.D

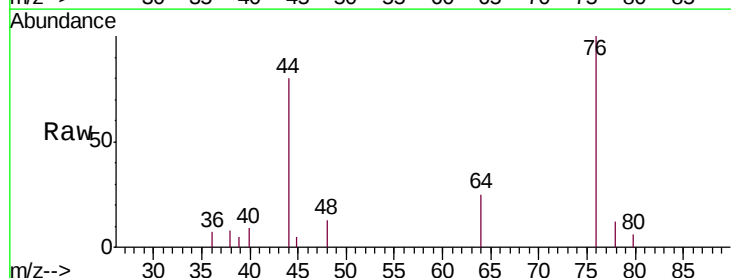
Acq: 27 Jul 2018 17:29

Tgt Ion: 76 Resp: 1658

Ion Ratio Lower Upper

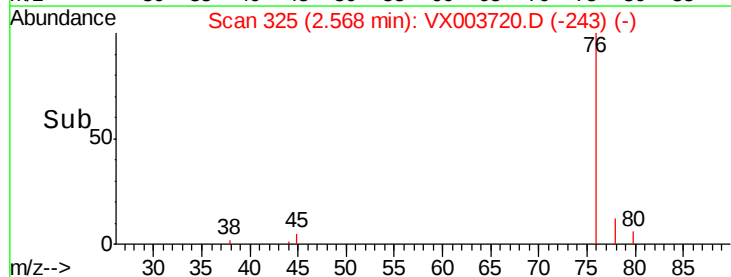
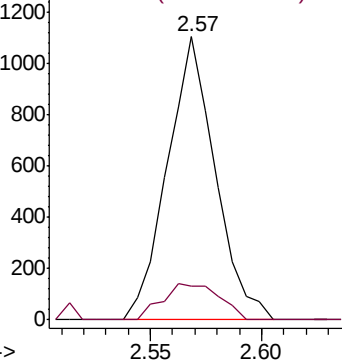
76 100

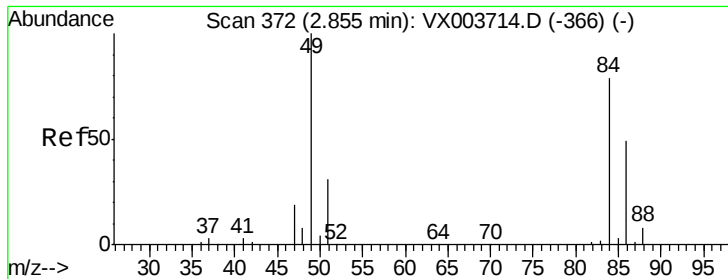
78 11.8 7.4 11.0#



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

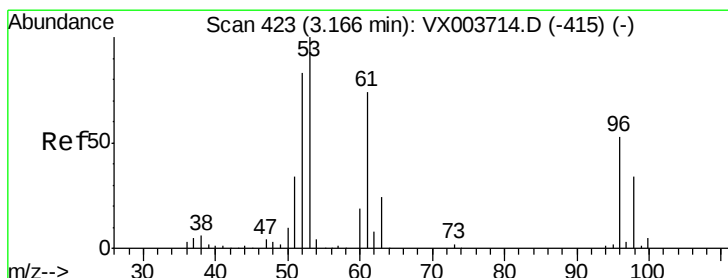
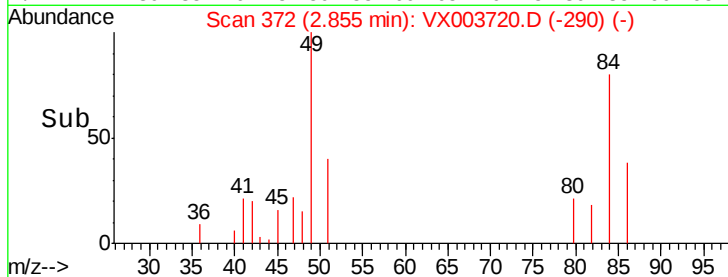
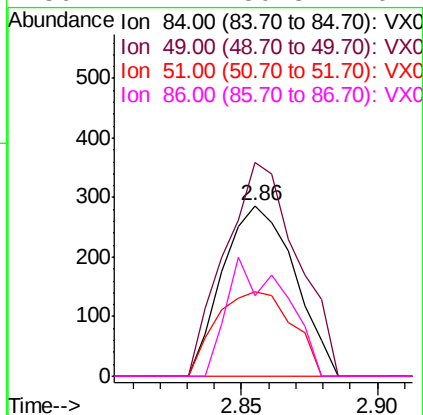
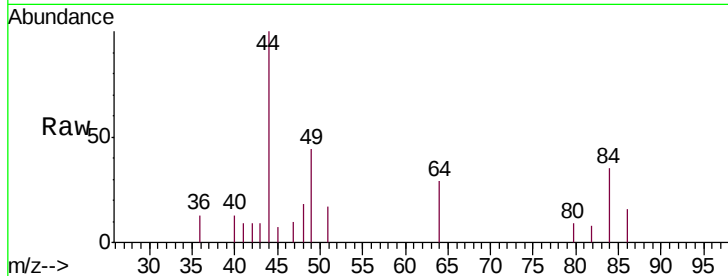




#18
Methvlene Chloride
Concen: 0.33 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003720.D
Acq: 27 Jul 2018 17:29

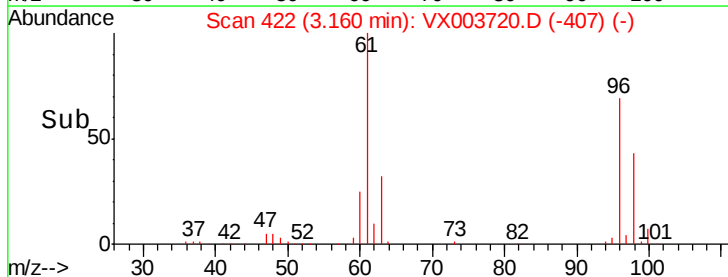
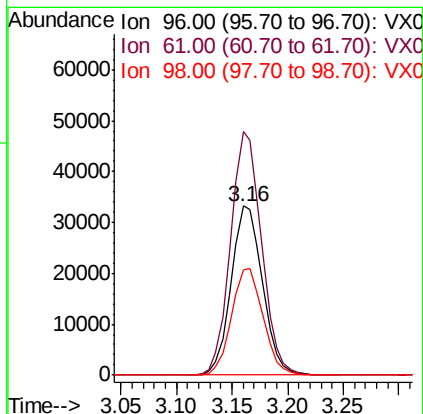
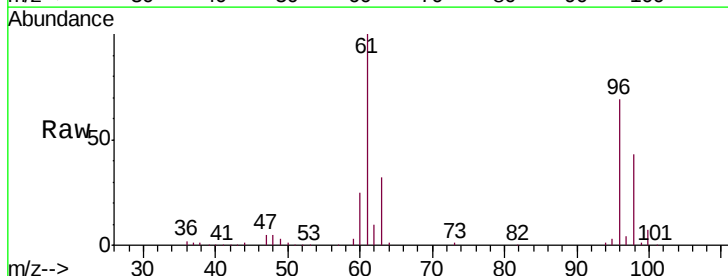
Instrument :
MSVOA_X
ClientSampled :
1513

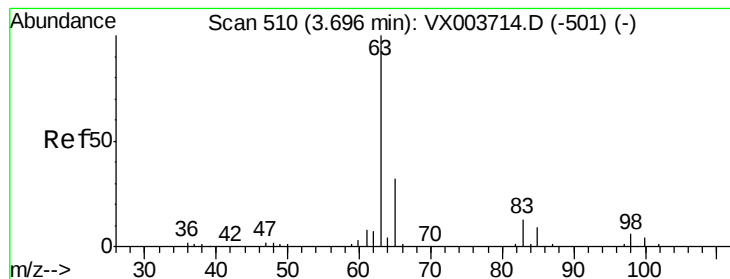
Tot Ion: 84 Resp: 523
Ion Ratio Lower Upper
84 100
49 125.5 104.7 157.1
51 49.7 31.0 46.4#
86 47.2 50.8 76.2#



#19
trans-1,2-Dichloroethene
Concen: 44.63 ug/l
RT: 3.16 min Scan# 422
Delta R.T. -0.01 min
Lab File: VX003720.D
Acq: 27 Jul 2018 17:29

Tgt Ion: 96 Resp: 64782
Ion Ratio Lower Upper
96 100
61 144.0 114.6 172.0
98 62.0 51.3 76.9





#21

1,1-Dichloroethane

Concen: 66.05 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003720.D

Acq: 27 Jul 2018 17:29

Instrument :

MSVOA_X

ClientSampleId :

1513

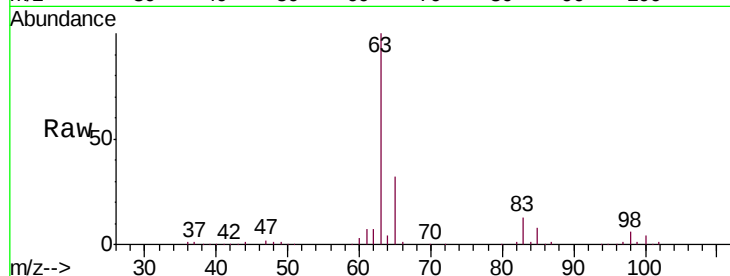
Tot Ion: 63 Resp: 190824

Ion Ratio Lower Upper

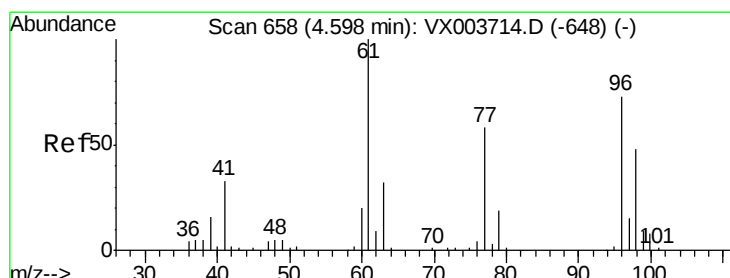
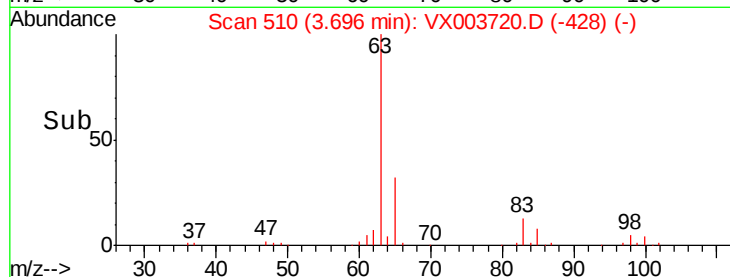
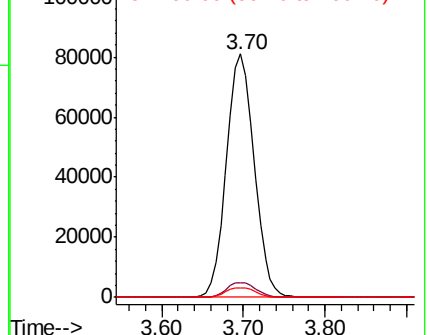
63 100

98 6.2 3.1 9.3

100 4.0 2.2 6.6



Abundance Ion 63.00 (62.70 to 63.70): VX0
Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 121.56 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003720.D

Acq: 27 Jul 2018 17:29

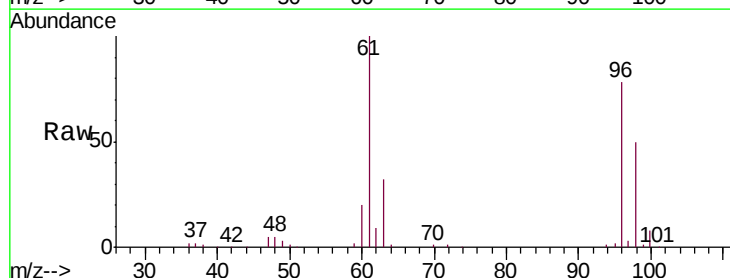
Tgt Ion: 96 Resp: 178176

Ion Ratio Lower Upper

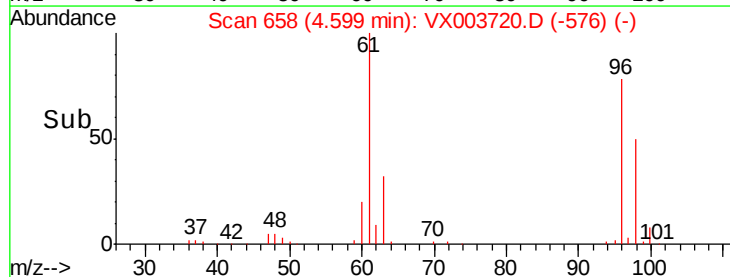
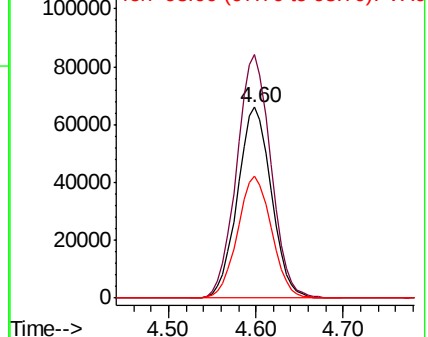
96 100

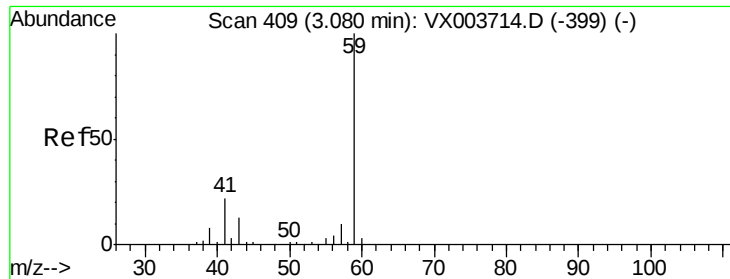
61 129.0 160.2 240.2#

98 64.1 54.1 81.1



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0



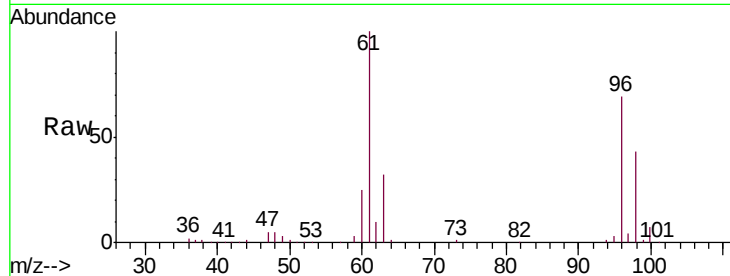


#23

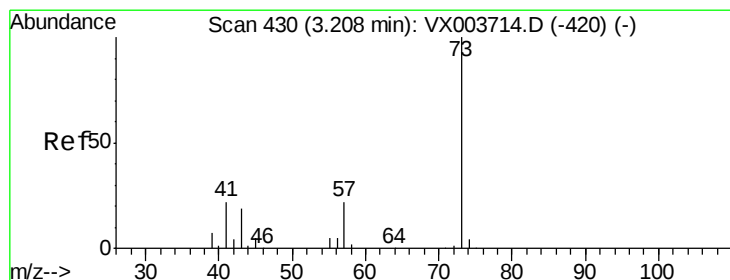
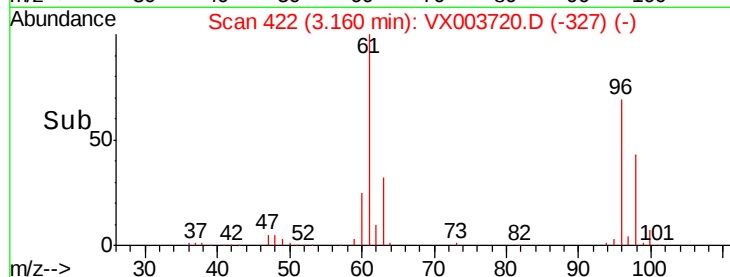
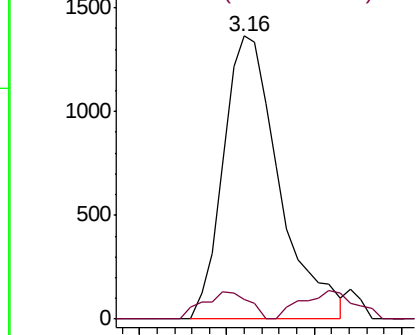
tert-Butyl Alcohol
Concen: 7.34 ug/l
RT: 3.16 min Scan# 422
Delta R.T. 0.08 min
Lab File: VX003720.D
Acq: 27 Jul 2018 17:29

Instrument :
MSVOA_X
ClientSampleId :
1513

Tot Ion: 59 Resp: 3020
Ion Ratio Lower Upper
59 100
52 7.9 0.2 0.2#



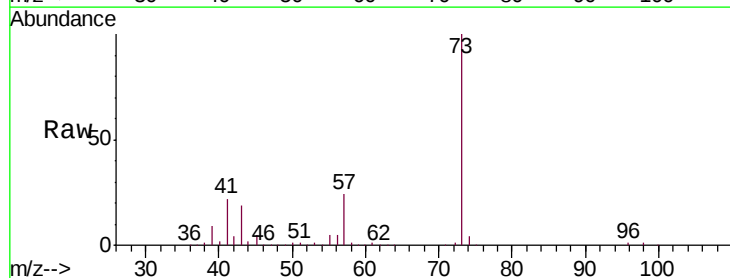
Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



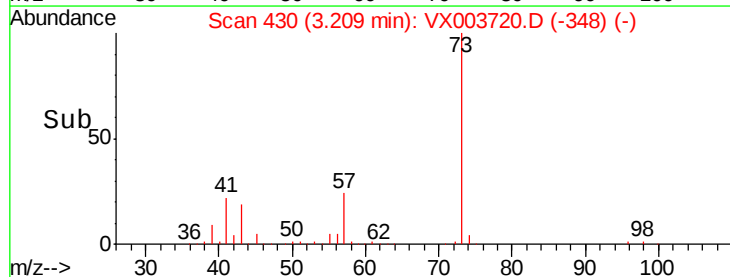
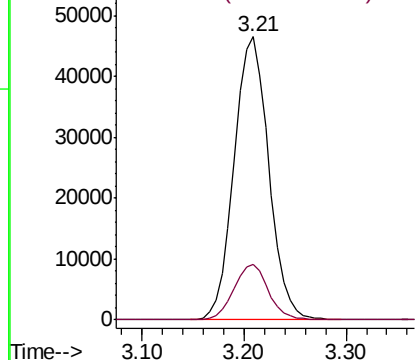
#24

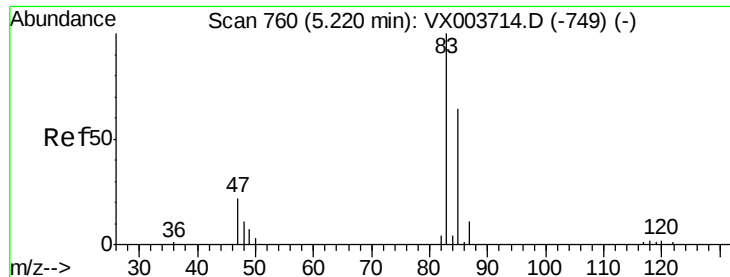
Methyl tert-Butyl Ether
Concen: 22.77 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003720.D
Acq: 27 Jul 2018 17:29

Tgt Ion: 73 Resp: 109643
Ion Ratio Lower Upper
73 100
43 19.6 19.0 28.4



Abundance Ion 73.00 (72.70 to 73.70): VX0
Ion 43.00 (42.70 to 43.70): VX0

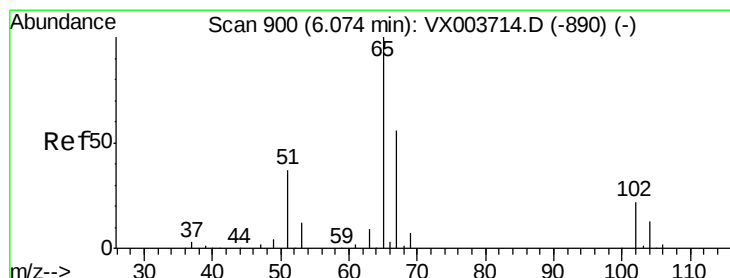
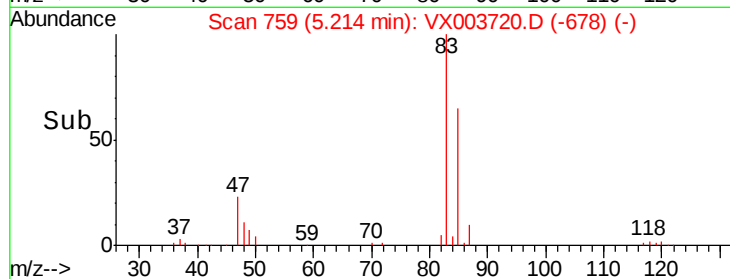
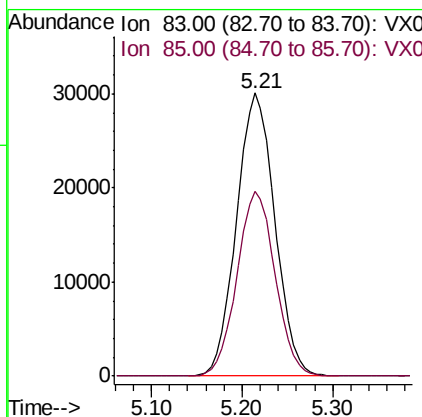
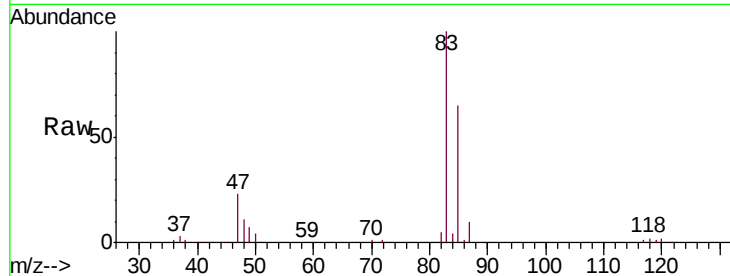




#25
Chloroform
Concen: 35.31 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX003720.D
Acq: 27 Jul 2018 17:29

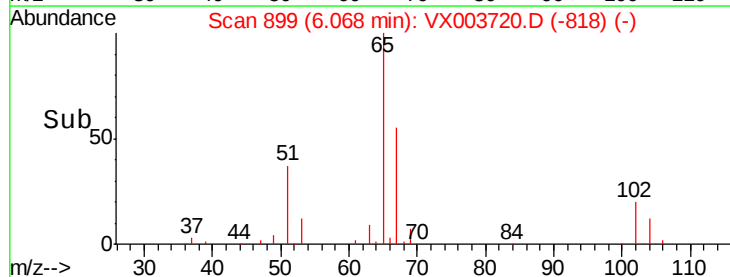
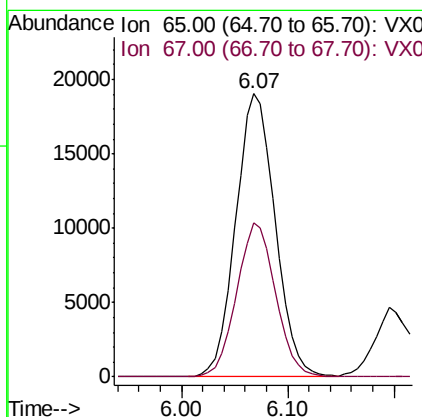
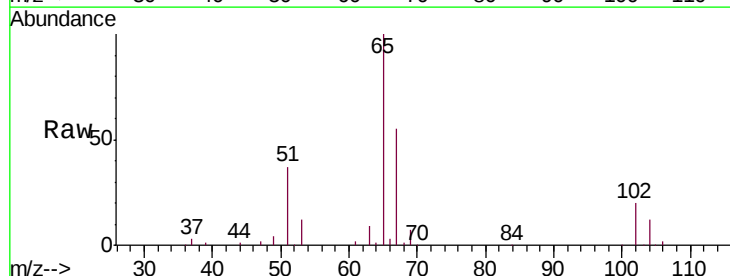
Instrument :
MSVOA_X
ClientSampleId :
1513

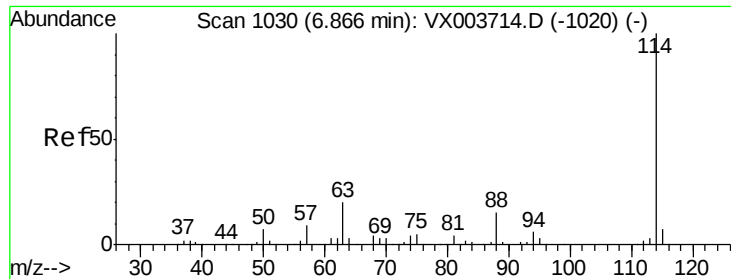
Tot Ion: 83 Resp: 88350
Ion Ratio Lower Upper
83 100
85 65.5 51.9 77.9



#27
1,2-Dichloroethane-d4
Concen: 28.84 ug/l
RT: 6.07 min Scan# 899
Delta R.T. -0.01 min
Lab File: VX003720.D
Acq: 27 Jul 2018 17:29

Tgt Ion: 65 Resp: 49589
Ion Ratio Lower Upper
65 100
67 53.7 40.9 61.3

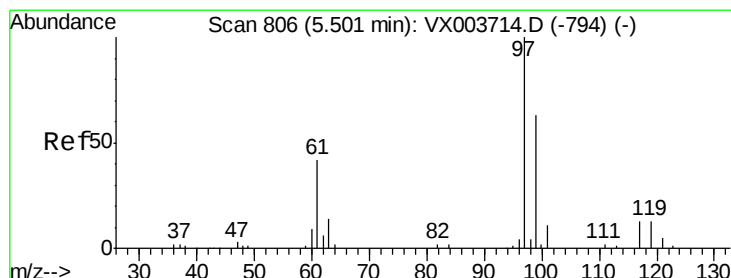
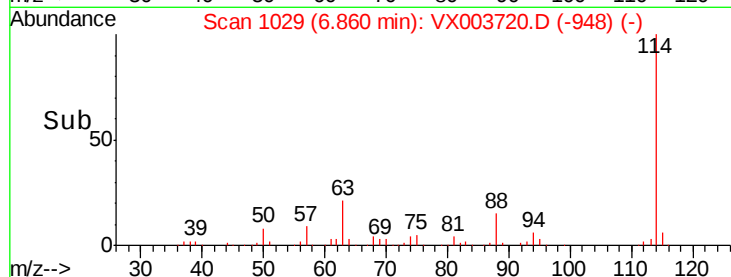
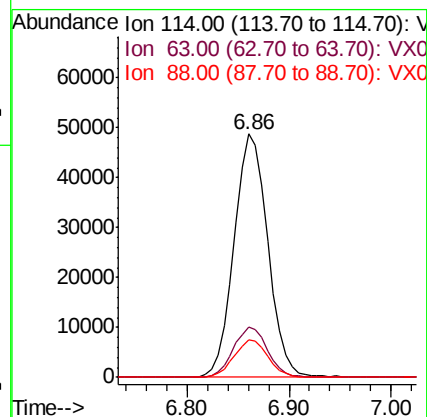
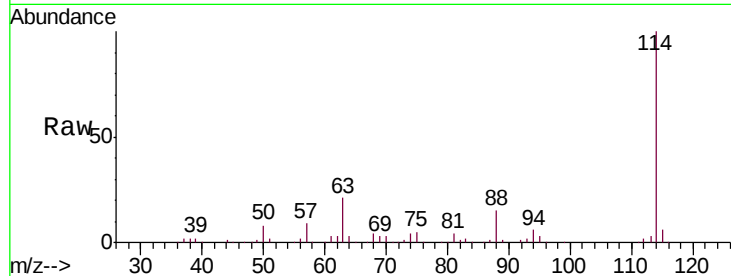




#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003720.D
 Acq: 27 Jul 2018 17:29

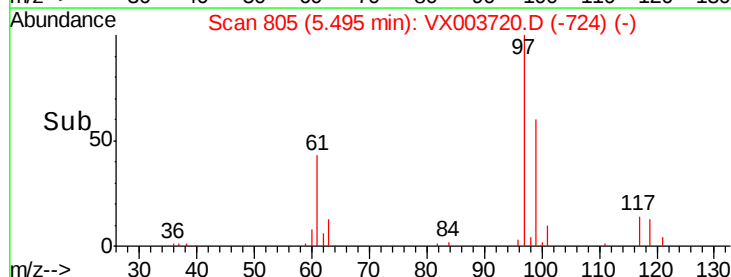
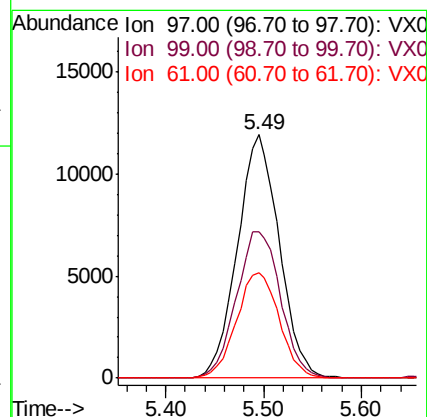
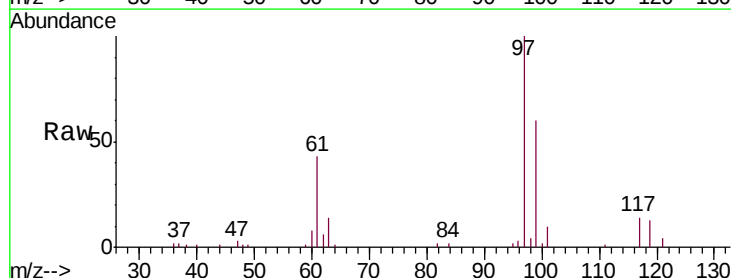
Instrument :
 MSVOA_X
 ClientSampleId :
 1513

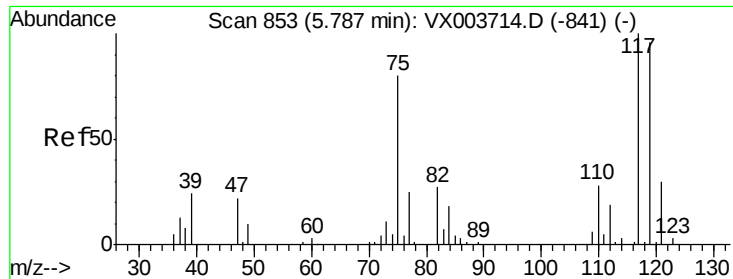
Tot Ion:114 Resp: 111975
 Ion Ratio Lower Upper
 114 100
 63 20.8 17.1 25.7
 88 15.4 12.6 19.0



#32
 1,1,1-Trichloroethane
 Concen: 18.73 ug/l
 RT: 5.49 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX003720.D
 Acq: 27 Jul 2018 17:29

Tgt Ion: 97 Resp: 35444
 Ion Ratio Lower Upper
 97 100
 99 63.3 51.7 77.5
 61 44.4 36.4 54.6

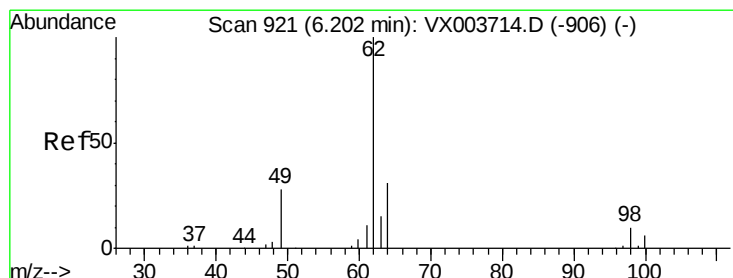
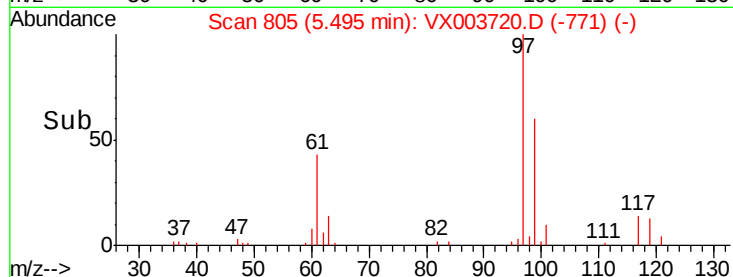
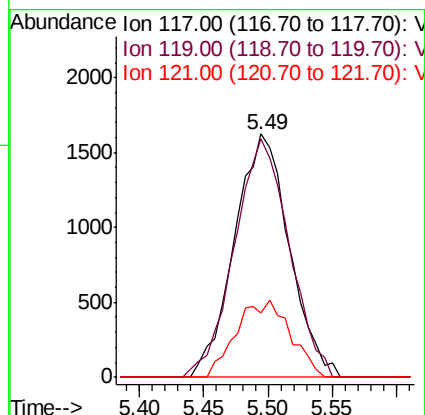
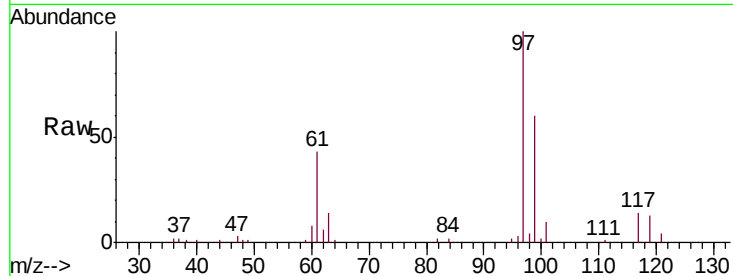




#33
Carbon Tetrachloride
Concen: 2.92 ug/l
RT: 5.49 min Scan# 805
Delta R.T. -0.29 min
Lab File: VX003720.D
Acq: 27 Jul 2018 17:29

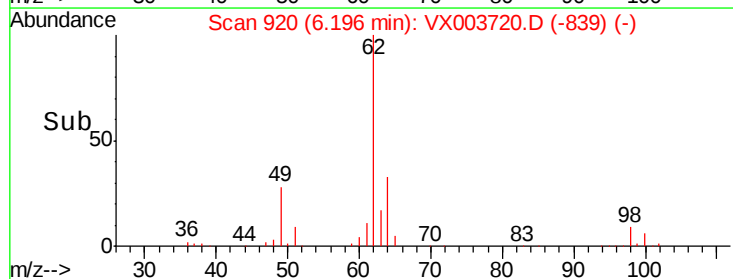
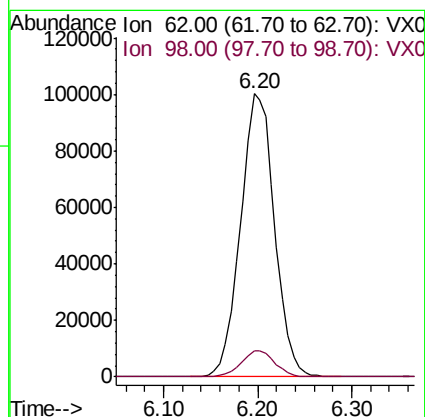
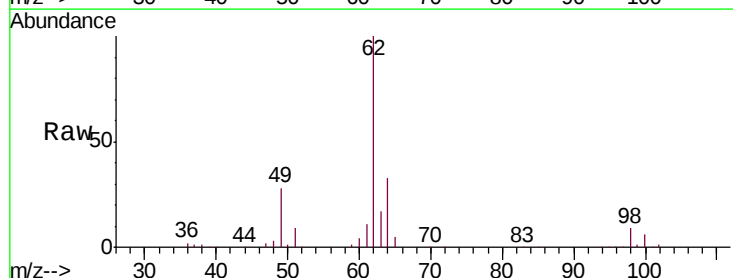
Instrument :
MSVOA_X
ClientSampleId :
1513

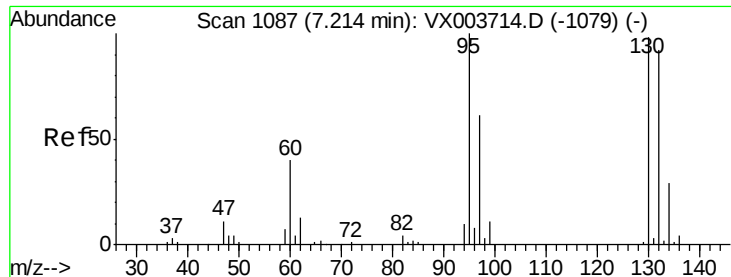
Tot Ion:117 Resp: 4804
Ion Ratio Lower Upper
117 100
119 97.7 73.3 109.9
121 26.3 23.6 35.4



#36
1,2-Dichloroethane
Concen: 138.25 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003720.D
Acq: 27 Jul 2018 17:29

Tgt Ion: 62 Resp: 252451
Ion Ratio Lower Upper
62 100
98 9.3 6.5 9.7

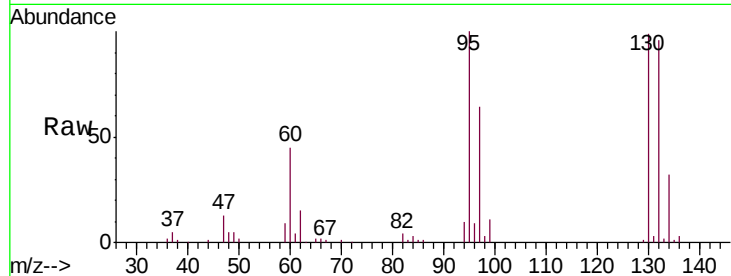




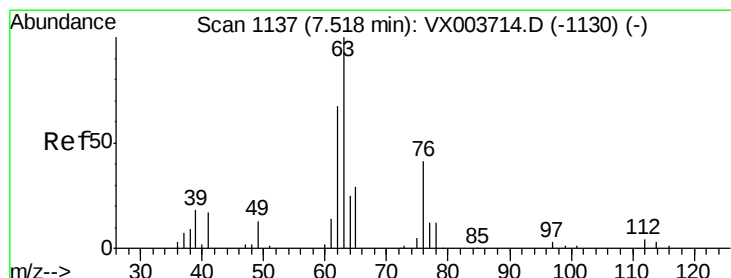
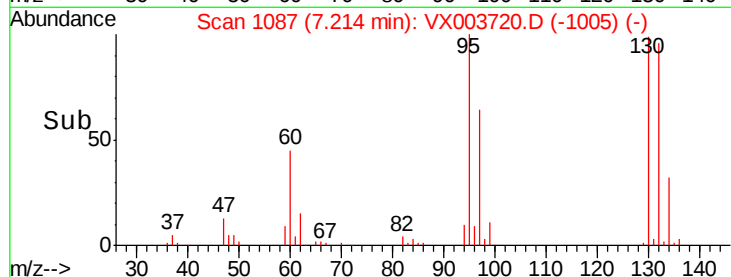
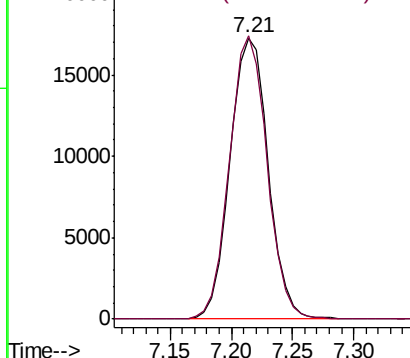
#37
 Trichloroethene
 Concen: 28.16 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003720.D
 Acq: 27 Jul 2018 17:29

Instrument :
 MSVOA_X
 ClientSampleId :
 1513

Tot Ion:130 Resp: 37293
 Ion Ratio Lower Upper
 130 100
 95 100.6 81.5 122.3

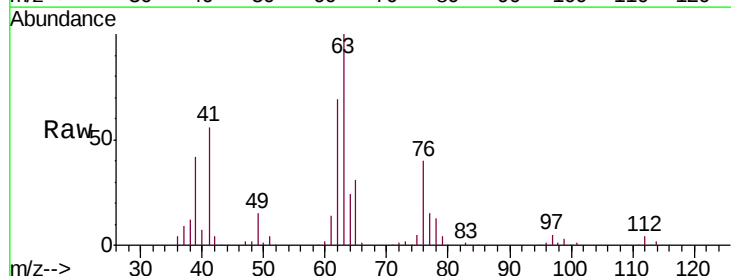


Abundance Ion 129.90 (129.60 to 130.60): V
 20000 Ion 94.90 (94.60 to 95.60): VX0

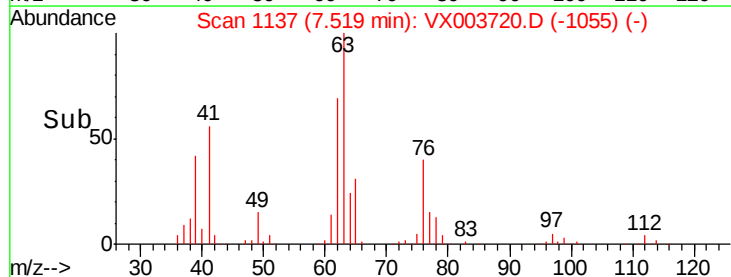
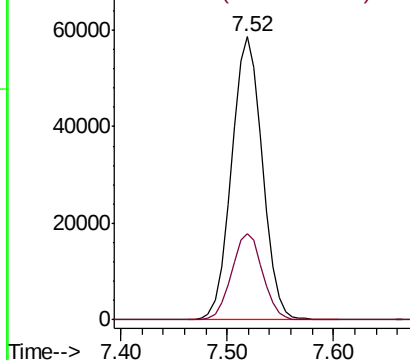


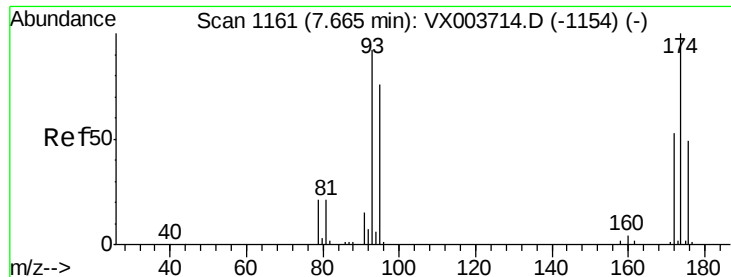
#39
 1,2-Dichloropropane
 Concen: 88.66 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003720.D
 Acq: 27 Jul 2018 17:29

Tgt Ion: 63 Resp: 119032
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.3 34.9



Abundance Ion 63.00 (62.70 to 63.70): VX0
 Ion 65.00 (64.70 to 65.70): VX0

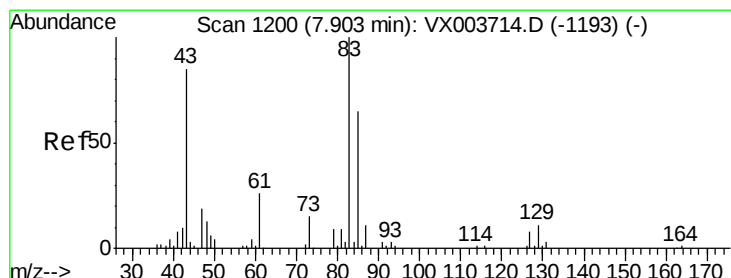
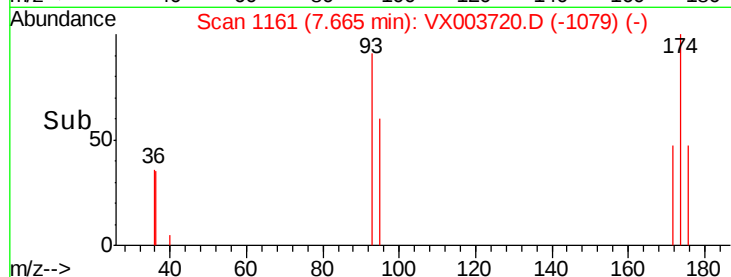
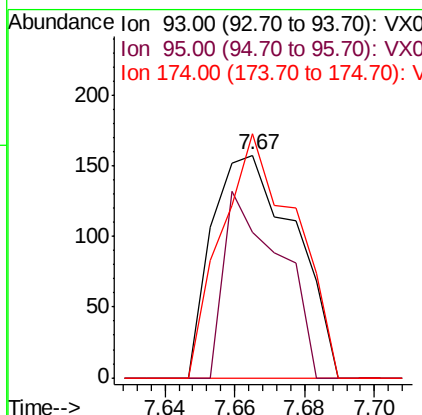
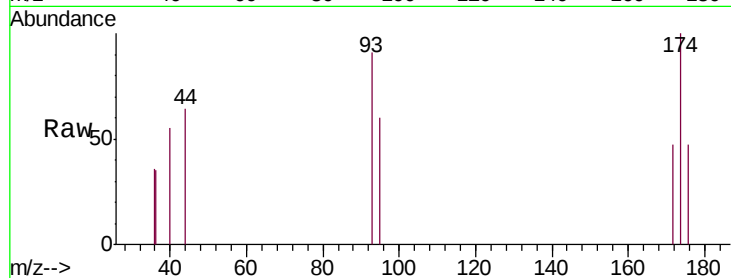




#40
Dibromomethane
Concen: 0.30 ug/l
RT: 7.67 min Scan# 1161
Delta R.T. 0.00 min
Lab File: VX003720.D
Acq: 27 Jul 2018 17:29

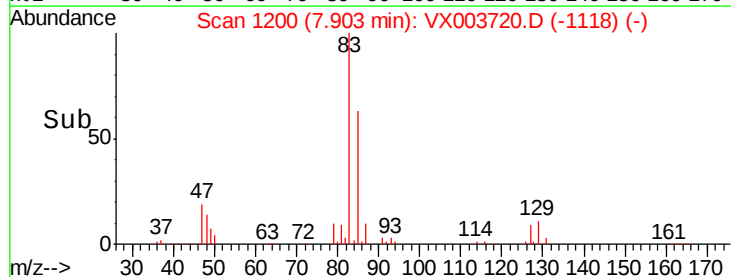
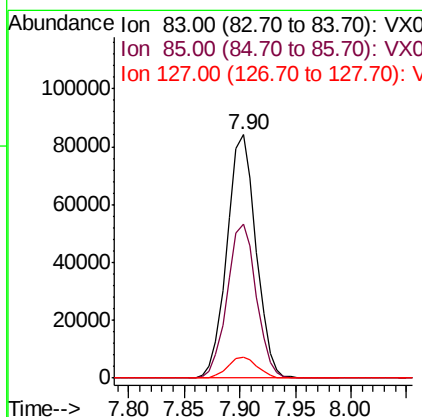
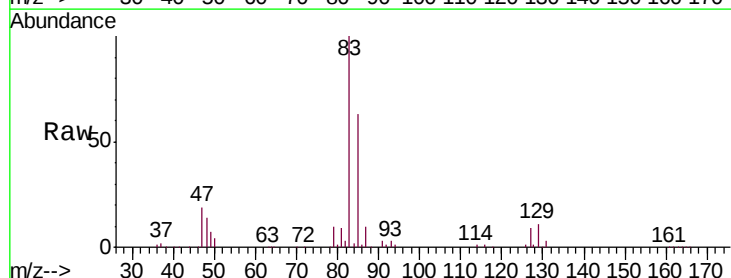
Instrument :
MSVOA_X
ClientSampleId :
1513

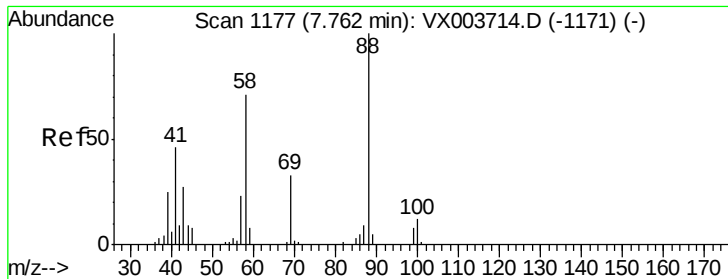
Tot Ion: 93 Resp: 260
Ion Ratio Lower Upper
93 100
95 56.9 0.0 162.6
174 97.7 0.0 229.4



#41
Bromodichloromethane
Concen: 91.52 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VX003720.D
Acq: 27 Jul 2018 17:29

Tgt Ion: 83 Resp: 151920
Ion Ratio Lower Upper
83 100
85 63.3 49.8 74.8
127 8.8 7.3 10.9





#45

1,4-Dioxane

Concen: 4.67 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. 0.13 min

Lab File: VX003720.D

Acq: 27 Jul 2018 17:29

Instrument :

MSVOA_X

ClientSampleId :

1513

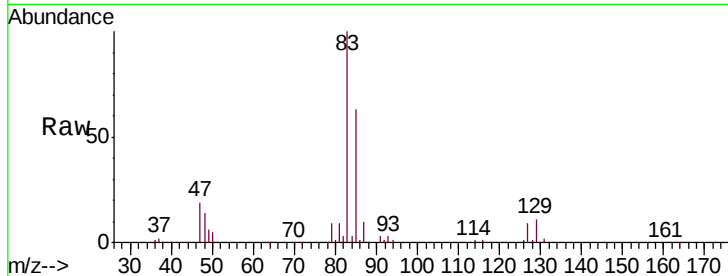
Tot Ion: 88 Resp: 157

Ion Ratio Lower Upper

88 100

43 49.0 43.2 64.8

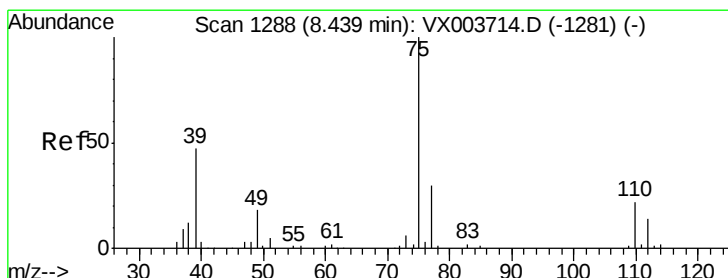
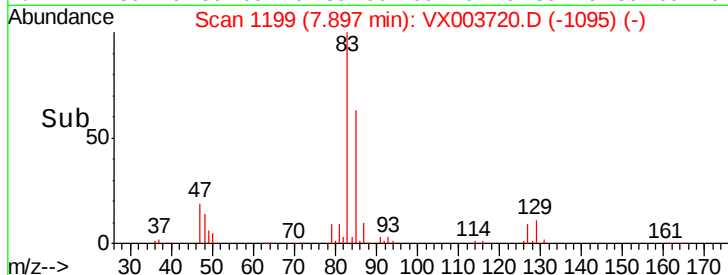
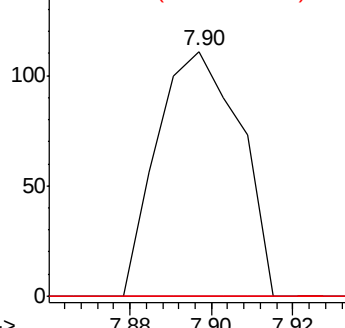
58 0.0 60.2 90.2#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#48

t-1,3-Dichloropropene

Concen: 103.12 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003720.D

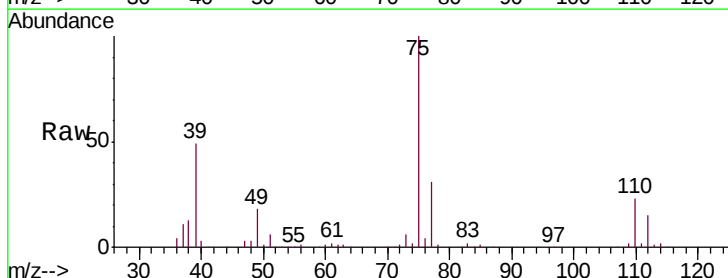
Acq: 27 Jul 2018 17:29

Tgt Ion: 75 Resp: 207703

Ion Ratio Lower Upper

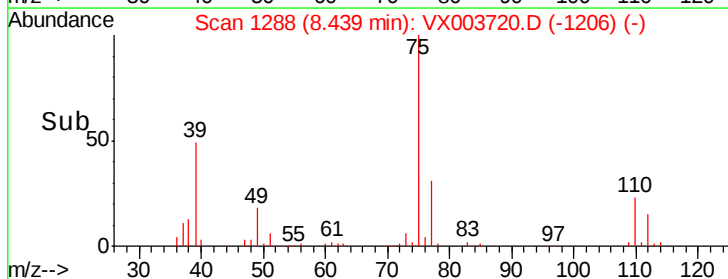
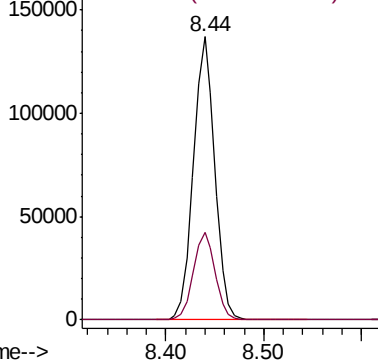
75 100

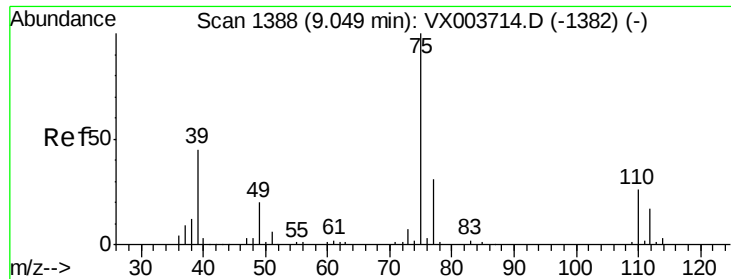
77 31.1 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

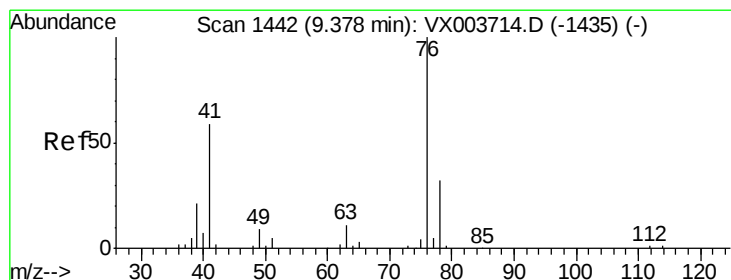
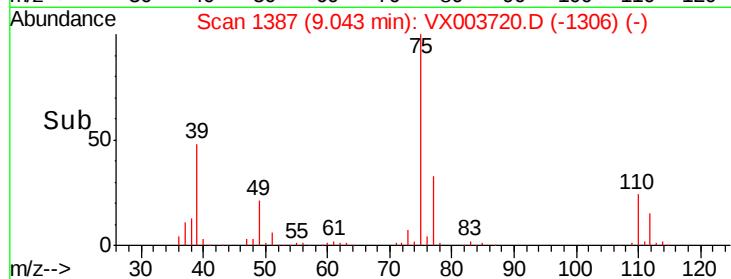
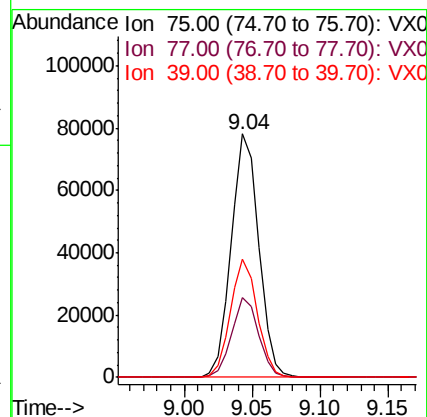
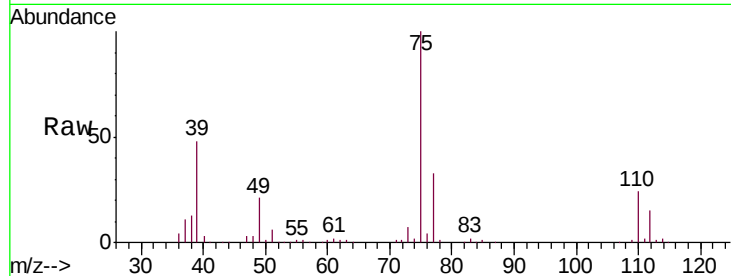




#49
 cis-1,3-Dichloropropene
 Concen: 58.11 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: VX003720.D
 Acq: 27 Jul 2018 17:29

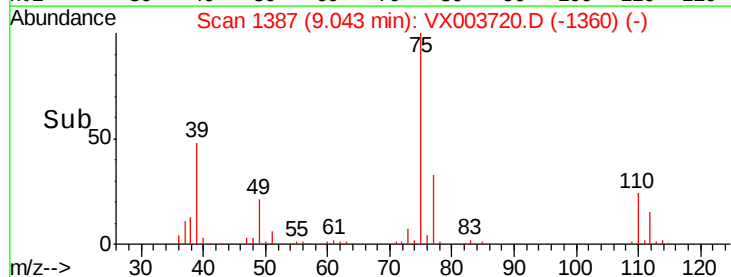
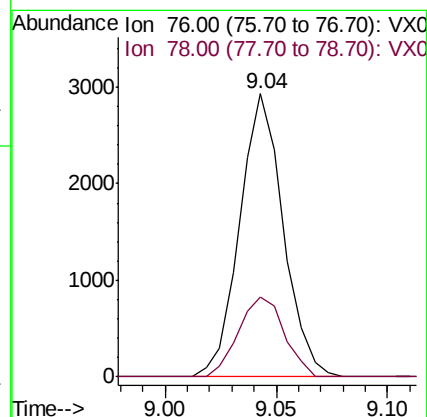
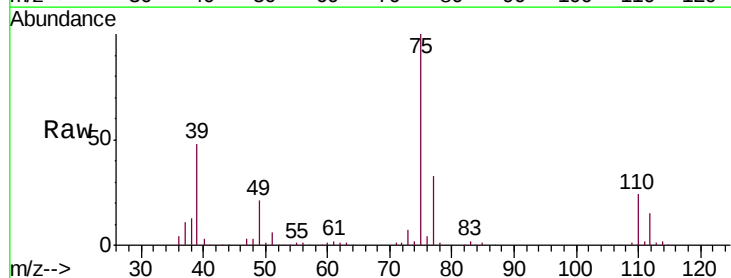
Instrument :
 MSVOA_X
 ClientSampleId :
 1513

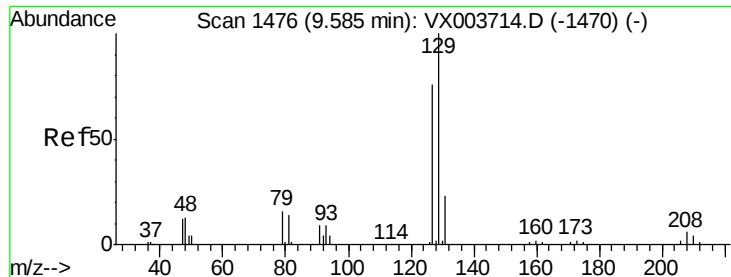
Tot Ion: 75 Resp: 109824
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.4 38.2
 39 48.4 42.3 63.5



#52
 1,3-Dichloropropane
 Concen: 1.74 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.33 min
 Lab File: VX003720.D
 Acq: 27 Jul 2018 17:29

Tgt Ion: 76 Resp: 3996
 Ion Ratio Lower Upper
 76 100
 78 29.6 0.0 63.4





#53

Dibromochloromethane

Concen: 76.91 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX003720.D

Acq: 27 Jul 2018 17:29

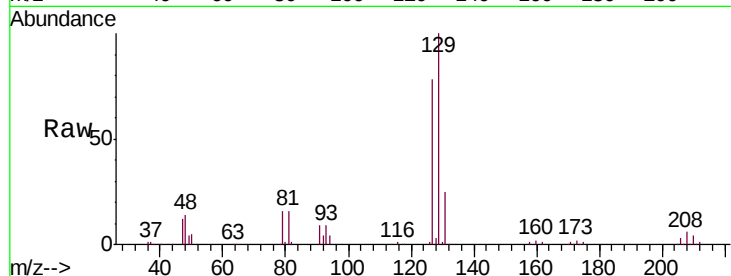
Instrument :
MSVOA_X
ClientSampled :
1513

Tot Ion:129 Resp: 104194

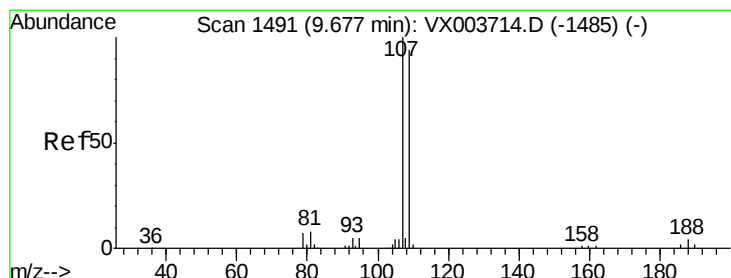
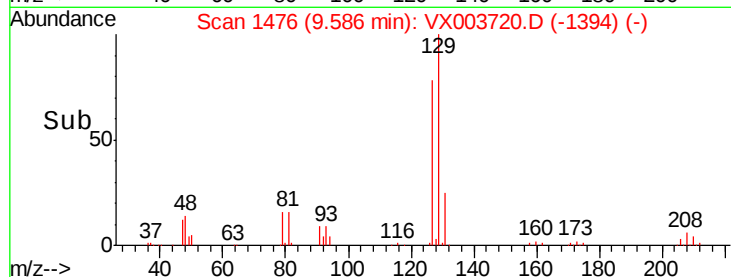
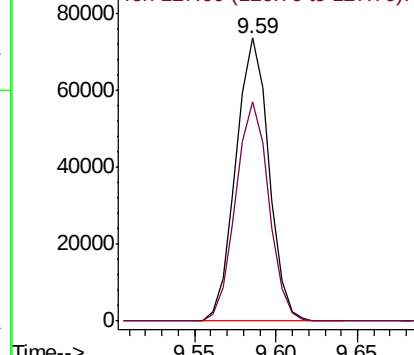
Ion Ratio Lower Upper

129 100

127 77.8 38.5 115.3



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 64.27 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003720.D

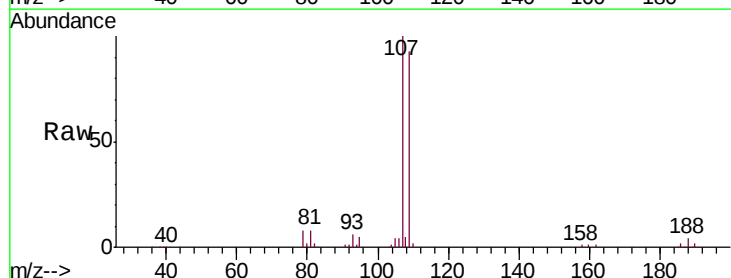
Acq: 27 Jul 2018 17:29

Tgt Ion:107 Resp: 92697

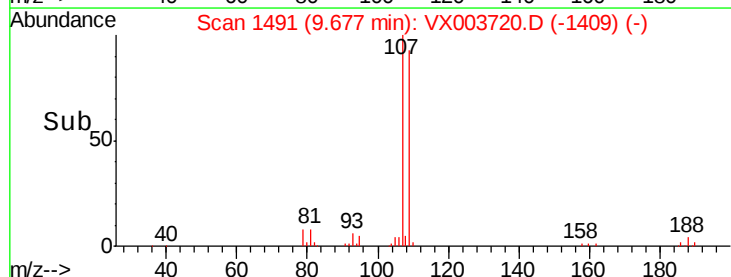
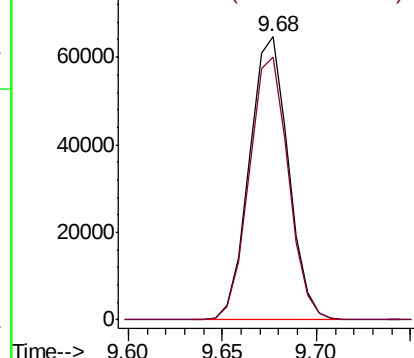
Ion Ratio Lower Upper

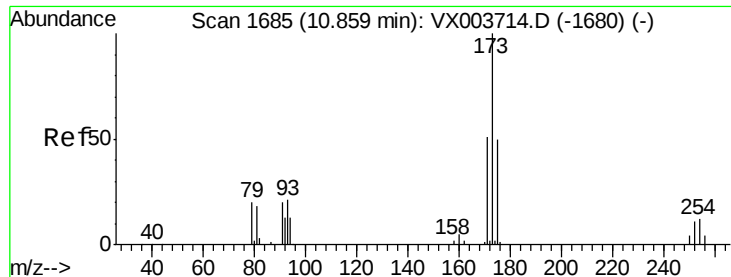
107 100

109 93.5 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V

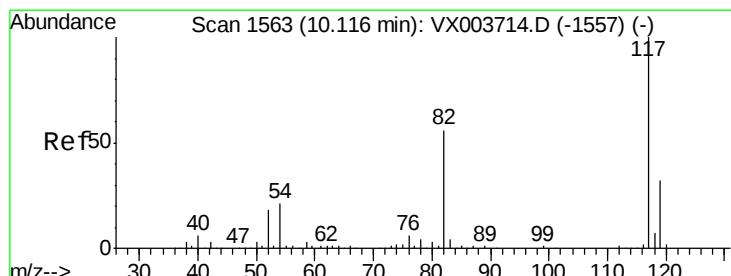
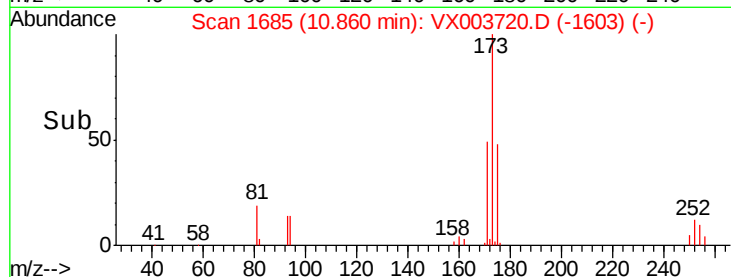
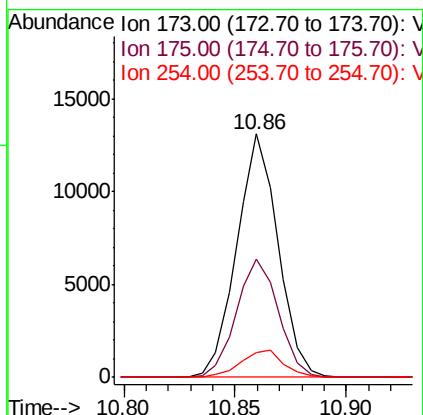
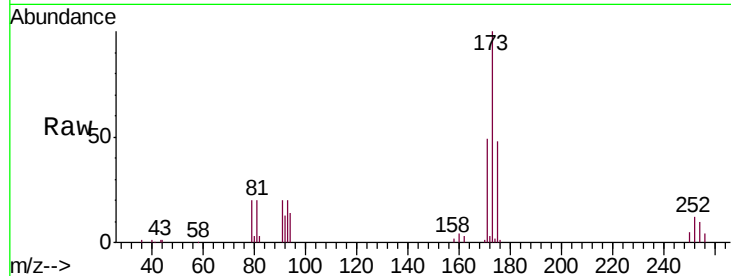




#56
Bromoform
Concen: 16.11 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003720.D
Acq: 27 Jul 2018 17:29

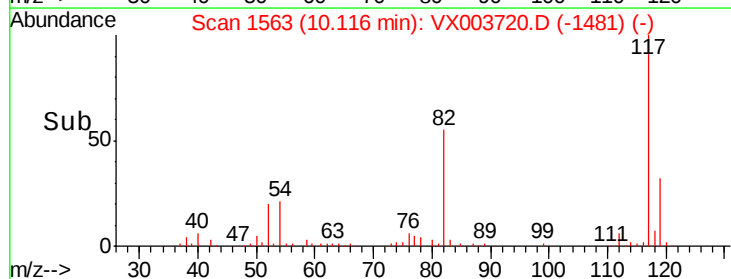
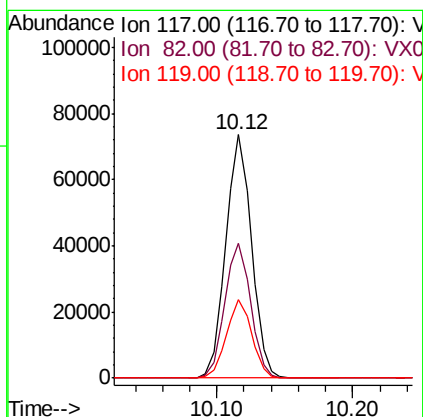
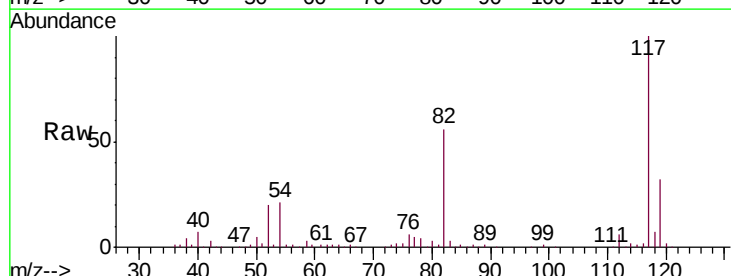
Instrument :
MSVOA_X
ClientSampleId :
1513

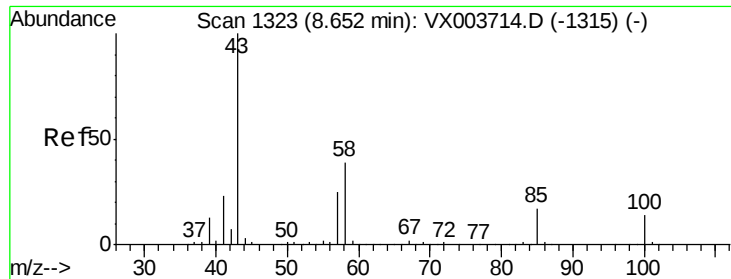
Tot Ion:173 Resp: 16939
Ion Ratio Lower Upper
173 100
175 49.6 39.0 58.4
254 11.6 9.6 14.4



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003720.D
Acq: 27 Jul 2018 17:29

Tgt Ion:117 Resp: 96701
Ion Ratio Lower Upper
117 100
82 55.9 44.3 66.5
119 31.8 25.7 38.5

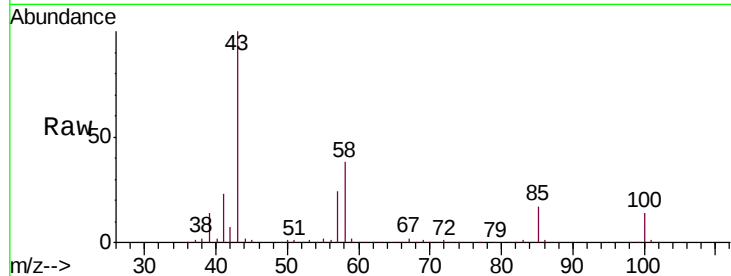




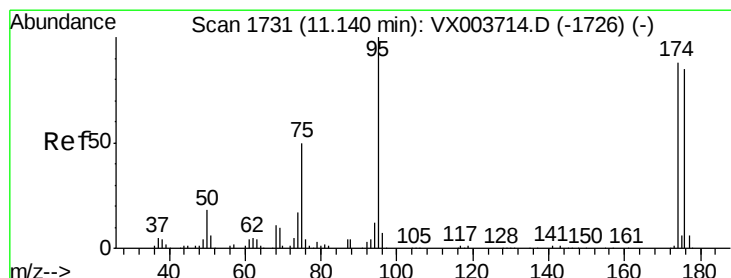
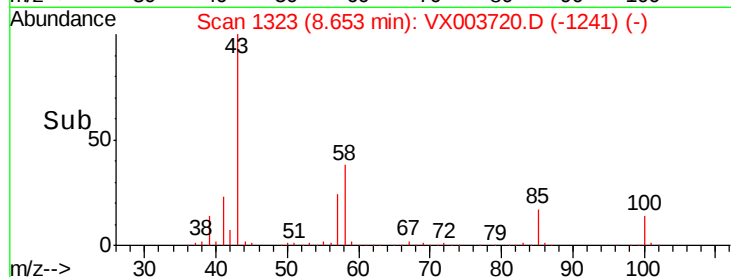
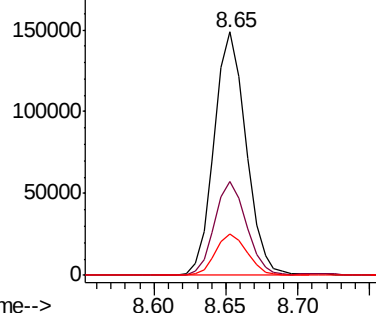
#58
4-Methyl-2-Pentanone
Concen: 125.80 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003720.D
Acq: 27 Jul 2018 17:29

Instrument :
MSVOA_X
ClientSampleId :
1513

Tot Ion: 43 Resp: 229698
Ion Ratio Lower Upper
43 100
58 38.3 28.2 42.4
85 16.9 12.4 18.6

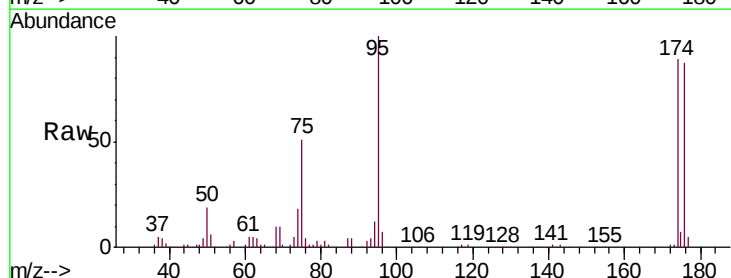


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 85.00 (84.70 to 85.70): VX0

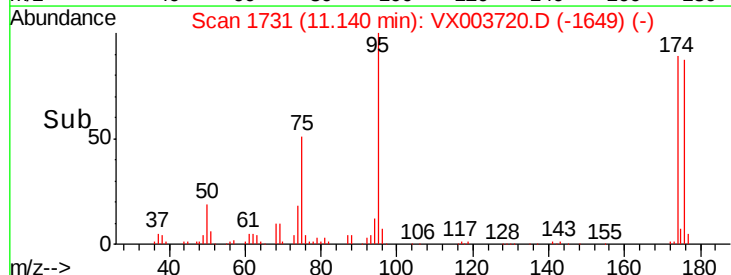
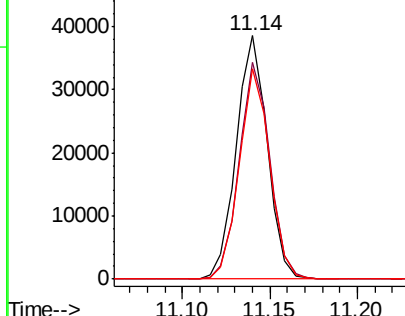


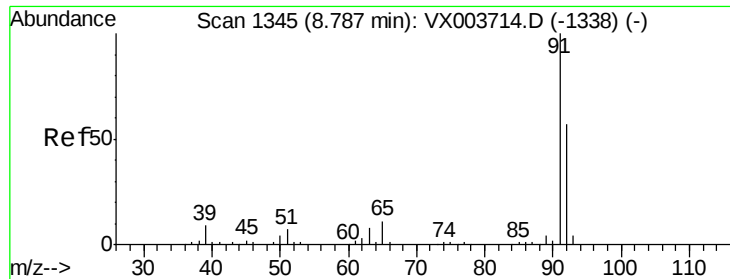
#60
4-Bromofluorobenzene
Concen: 30.49 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003720.D
Acq: 27 Jul 2018 17:29

Tgt Ion: 95 Resp: 47467
Ion Ratio Lower Upper
95 100
174 88.3 71.8 107.6
176 85.3 70.1 105.1



Abundance Ion 95.00 (94.70 to 95.70): VX0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#62

Toluene

Concen: 43.91 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003720.D

Acq: 27 Jul 2018 17:29

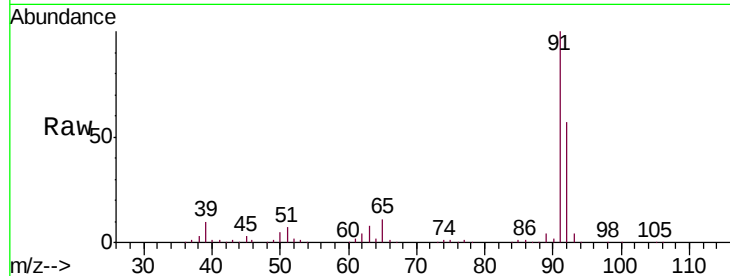
Instrument :
MSVOA_X
ClientSampleId :
1513

Tot Ion: 91 Resp: 220388

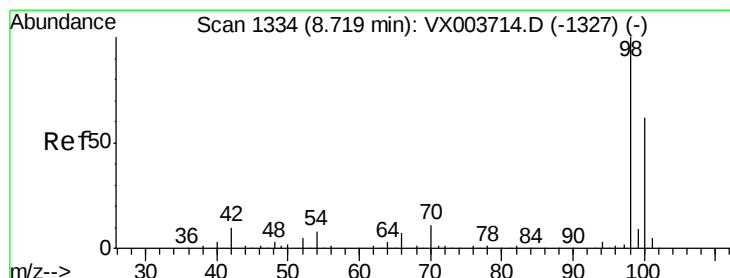
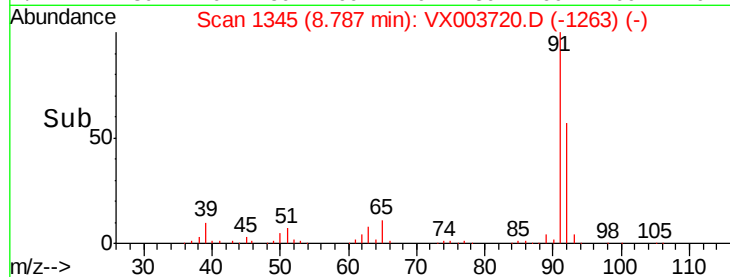
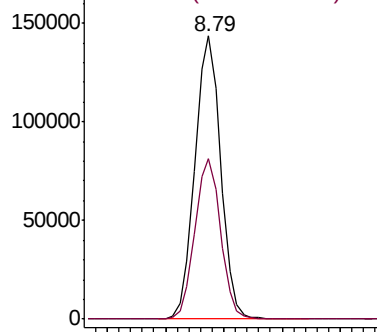
Ion Ratio Lower Upper

91 100

92 56.8 46.5 69.7



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0



#63

Toluene-d8

Concen: 30.84 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003720.D

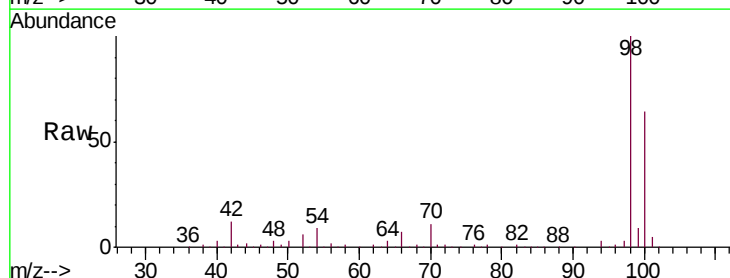
Acq: 27 Jul 2018 17:29

Tgt Ion: 98 Resp: 134340

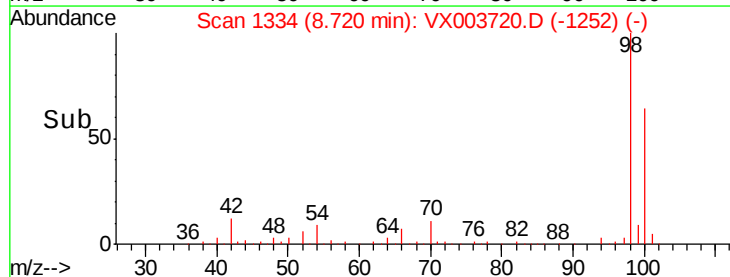
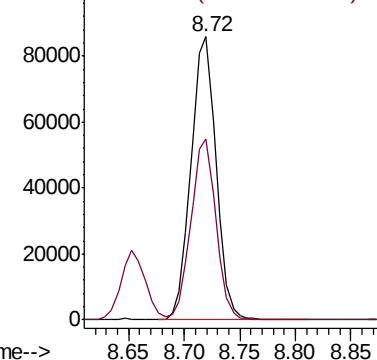
Ion Ratio Lower Upper

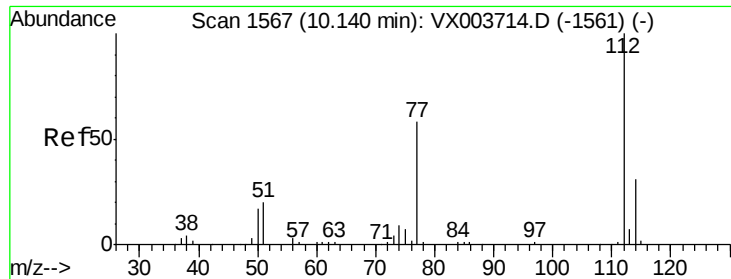
98 100

100 63.8 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

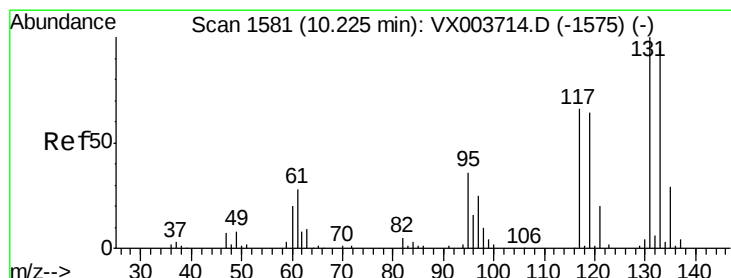
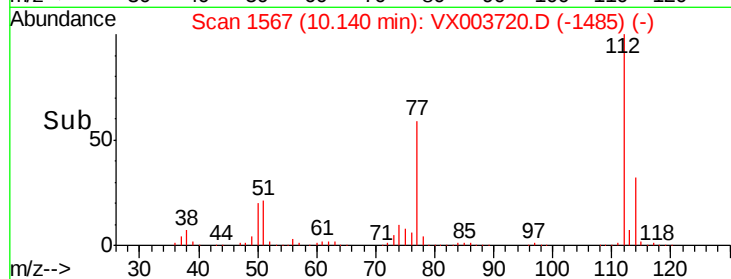
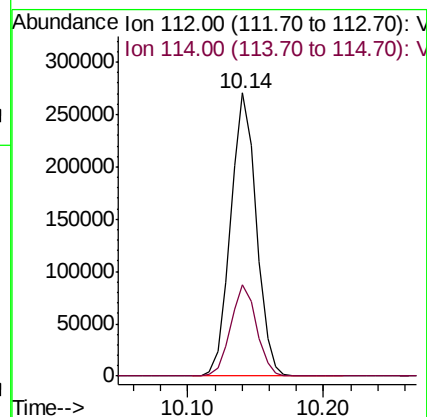
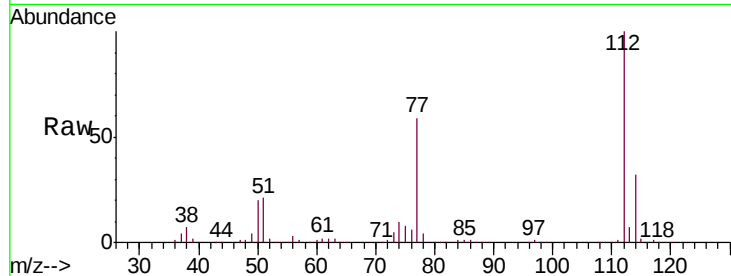




#64
Chlorobenzene
Concen: 109.31 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003720.D
Acq: 27 Jul 2018 17:29

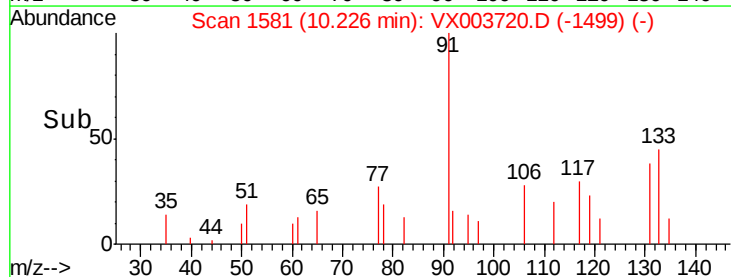
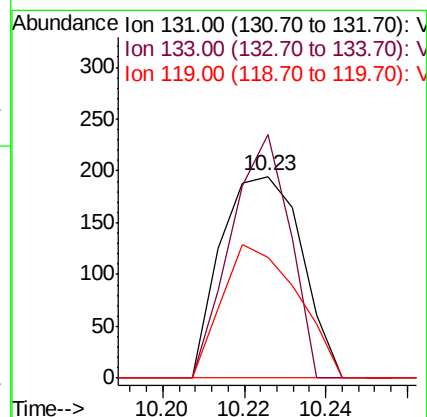
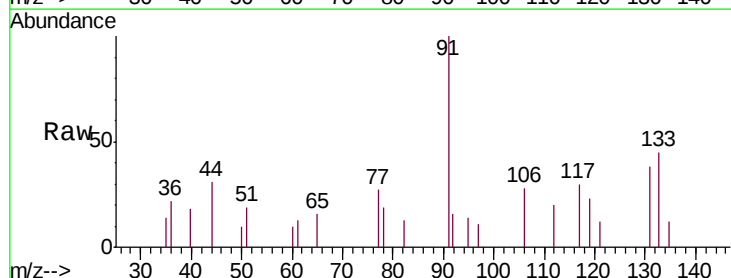
Instrument :
MSVOA_X
ClientSampled :
1513

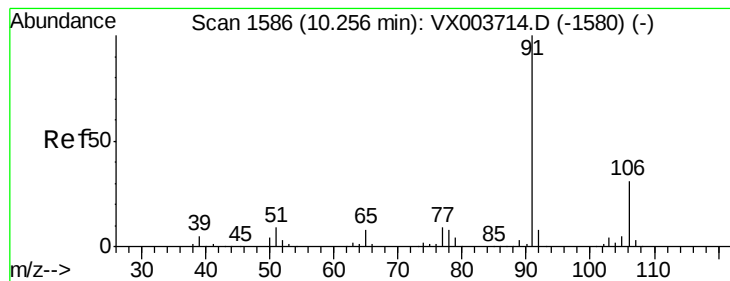
Tot Ion:112 Resp: 354561
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4



#65
1,1,1,2-Tetrachloroethane
Concen: 0.23 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003720.D
Acq: 27 Jul 2018 17:29

Tgt Ion:131 Resp: 269
Ion Ratio Lower Upper
131 100
133 87.0 0.0 191.2
119 61.7 0.0 125.4





#66

Ethyl Benzene

Concen: 37.33 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003720.D

Acq: 27 Jul 2018 17:29

Instrument :

MSVOA_X

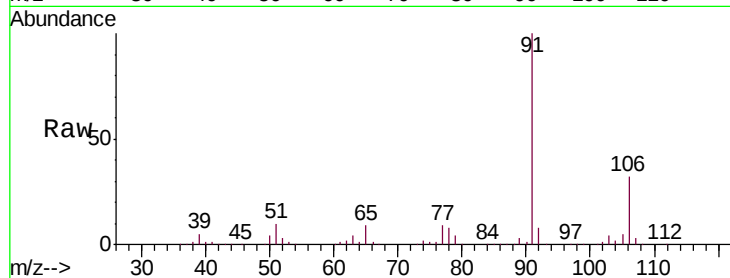
ClientSampleId :
1513

Tot Ion: 91 Resp: 206197

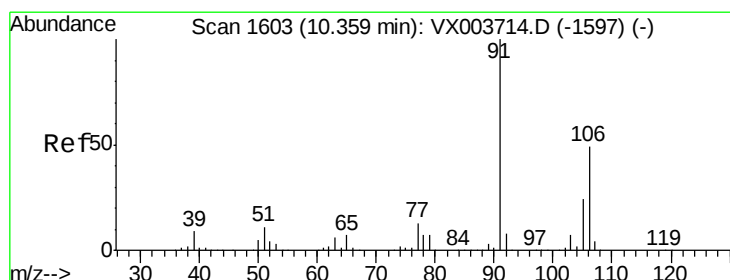
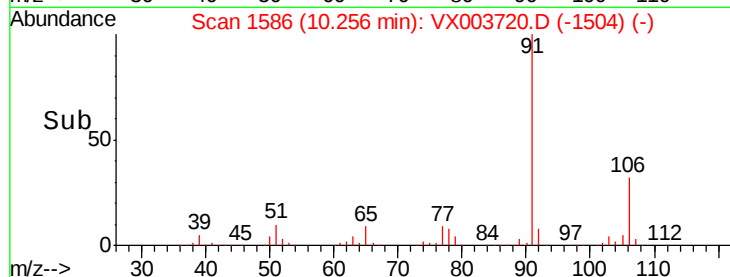
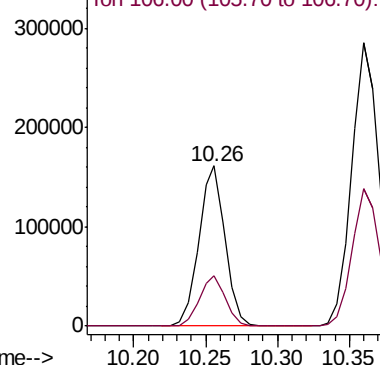
Ion Ratio Lower Upper

91 100

106 31.6 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VX003714.D (-1580) (-)



#67

m/p-Xylenes

Concen: 84.66 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003720.D

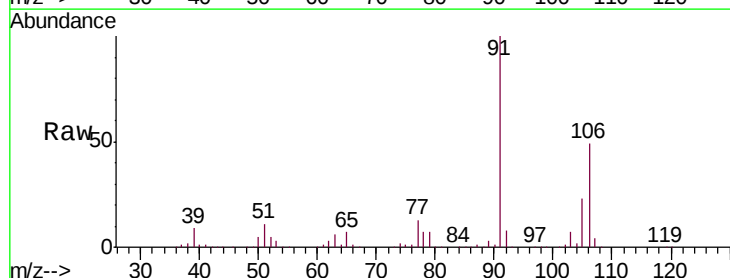
Acq: 27 Jul 2018 17:29

Tgt Ion: 106 Resp: 180110

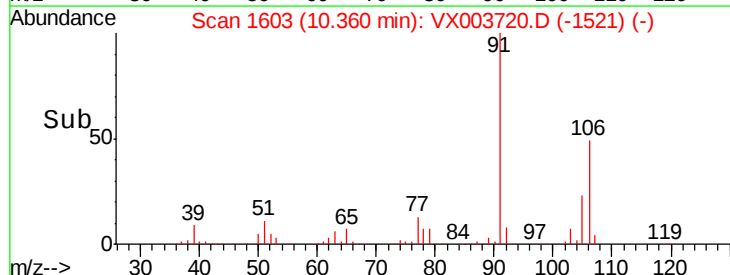
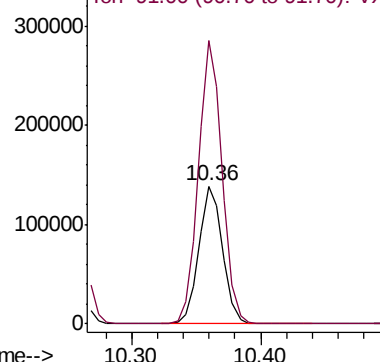
Ion Ratio Lower Upper

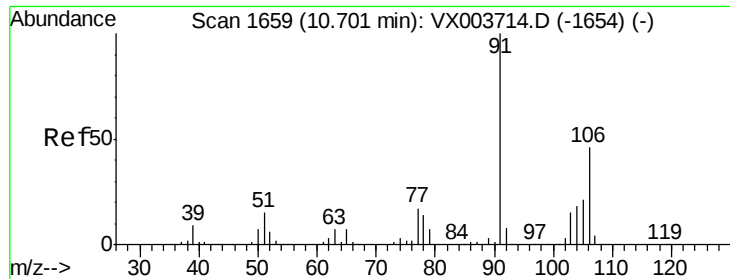
106 100

91 204.7 164.1 246.1



Abundance Ion 106.00 (105.70 to 106.70): VX003714.D (-1597) (-)

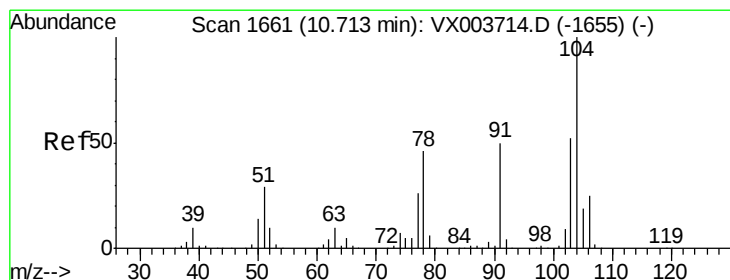
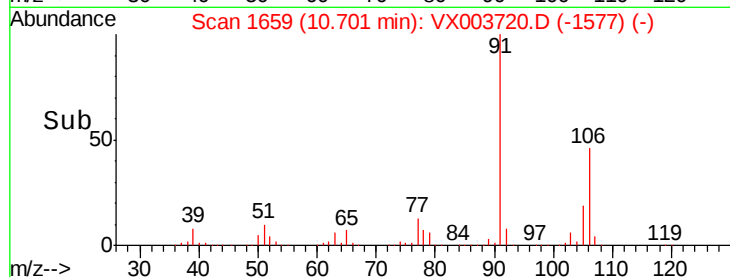
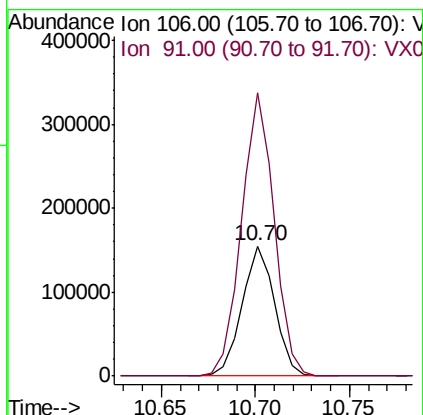
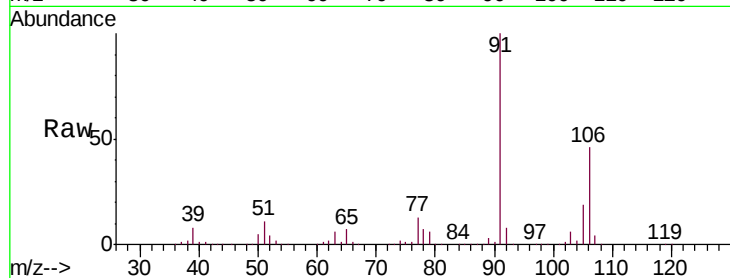




#68
o-Xylene
Concen: 91.40 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003720.D
Acq: 27 Jul 2018 17:29

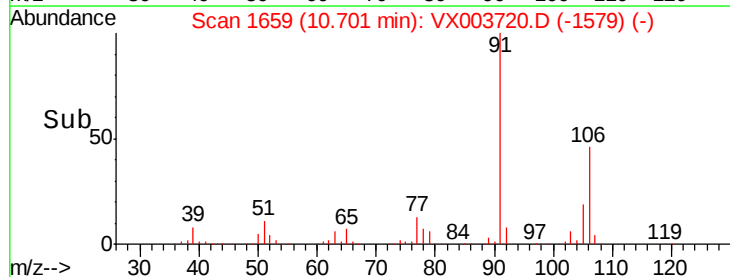
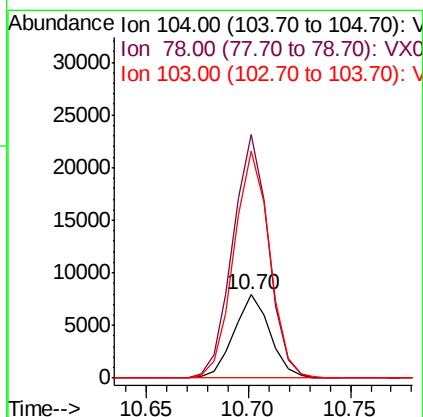
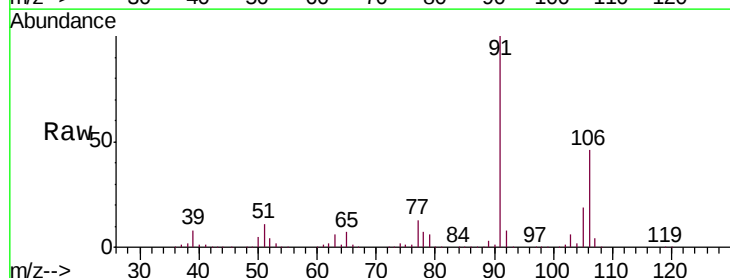
Instrument :
MSVOA_X
ClientSampleId :
1513

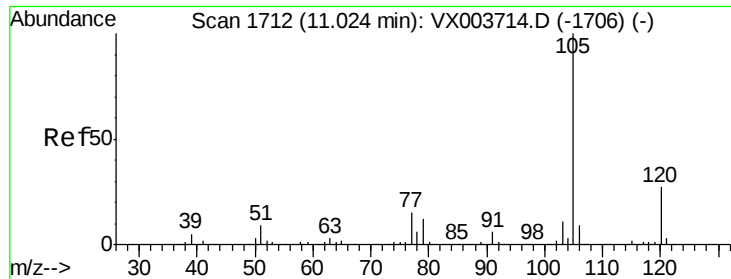
Tot Ion:106 Resp: 186010
Ion Ratio Lower Upper
106 100
91 217.4 109.1 327.3



#69
Styrene
Concen: 2.83 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX003720.D
Acq: 27 Jul 2018 17:29

Tgt Ion:104 Resp: 9768
Ion Ratio Lower Upper
104 100
78 287.1 41.8 62.8#
103 267.2 44.9 67.3#

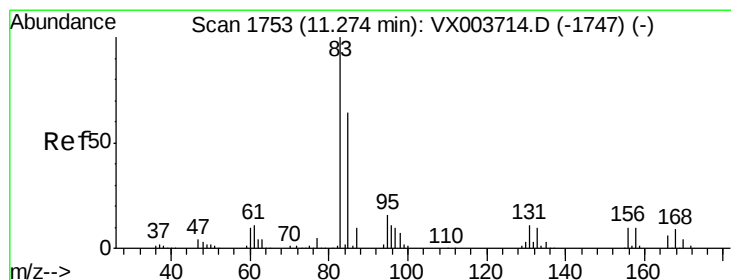
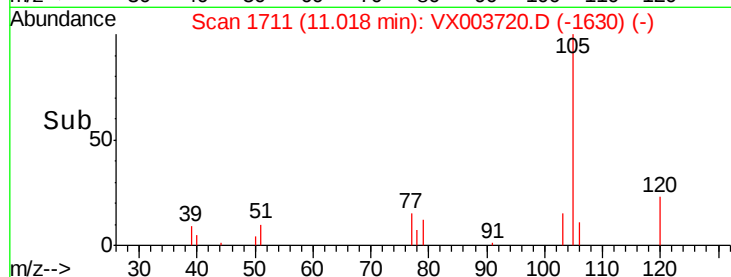
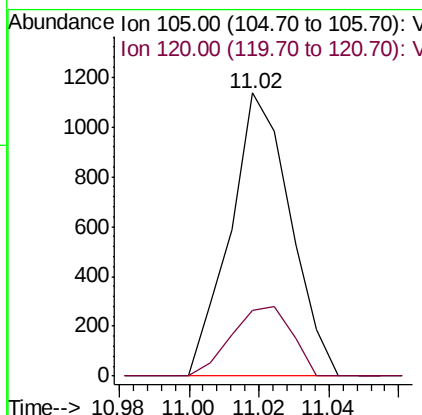
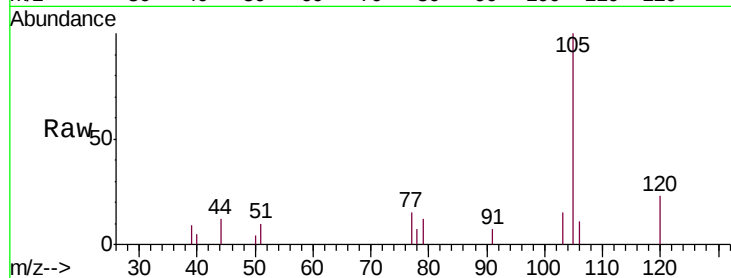




#70
Isopropylbenzene
Concen: 0.24 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.01 min
Lab File: VX003720.D
Acq: 27 Jul 2018 17:29

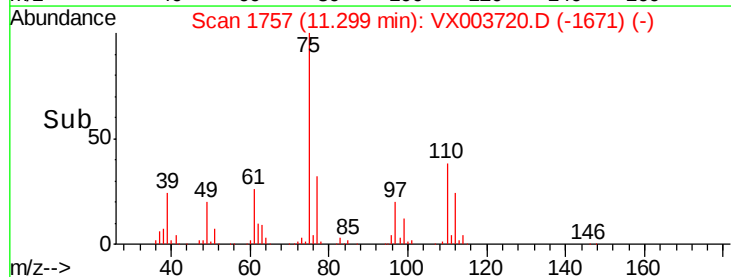
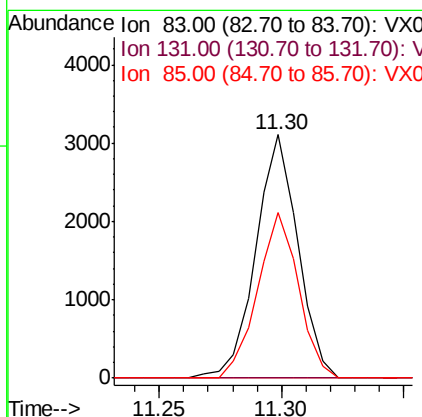
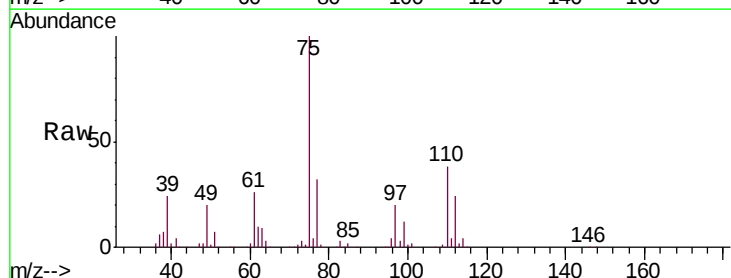
Instrument :
MSVOA_X
ClientSampled :
1513

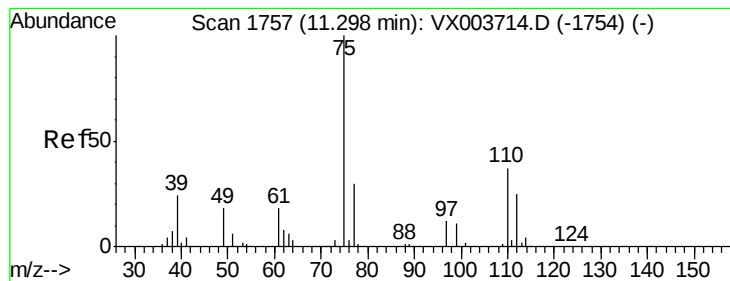
Tot Ion:105 Resp: 1356
Ion Ratio Lower Upper
105 100
120 24.6 19.0 35.2



#71
1,1,2,2-Tetrachloroethane
Concen: 1.86 ug/l
RT: 11.30 min Scan# 1757
Delta R.T. 0.02 min
Lab File: VX003720.D
Acq: 27 Jul 2018 17:29

Tgt Ion: 83 Resp: 3730
Ion Ratio Lower Upper
83 100
131 1.9 5.4 16.2#
85 66.2 32.4 97.2





#72

1,2,3-Trichloropropane

Concen: 83.27 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003720.D

Acq: 27 Jul 2018 17:29

Instrument :

MSVOA_X

ClientSampled :

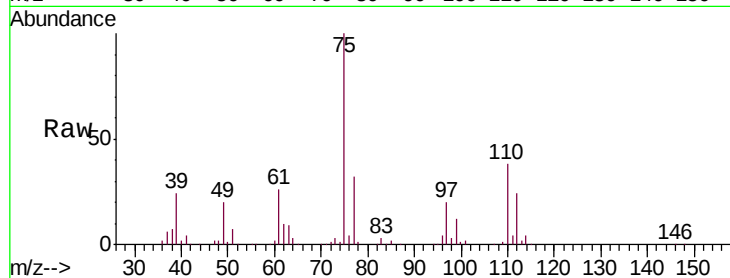
1513

Tot Ion: 75 Resp: 138553

Ion Ratio Lower Upper

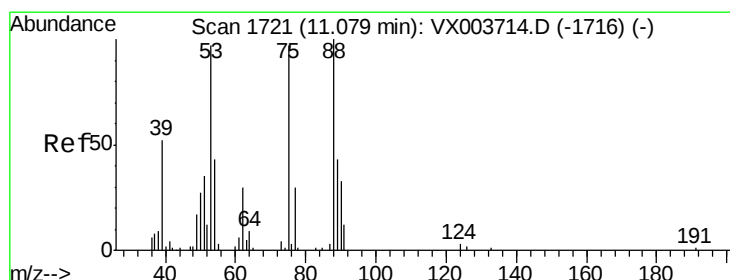
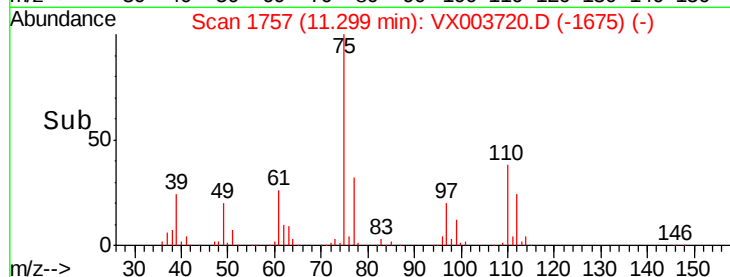
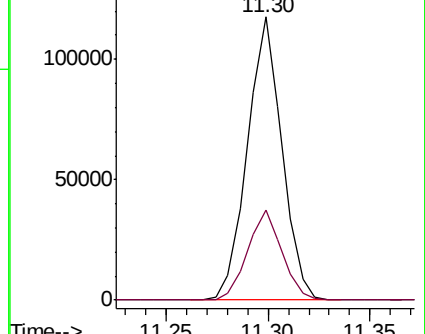
75 100

77 31.7 0.0 71.8



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

t-1,4-Dichloro-2-butene

Concen: 42.70 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003720.D

Acq: 27 Jul 2018 17:29

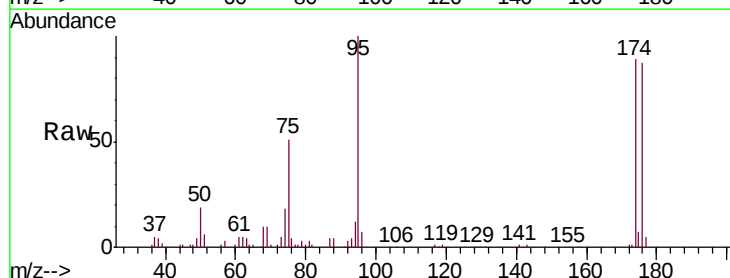
Tgt Ion: 75 Resp: 24214

Ion Ratio Lower Upper

75 100

53 0.0 48.3 144.9#

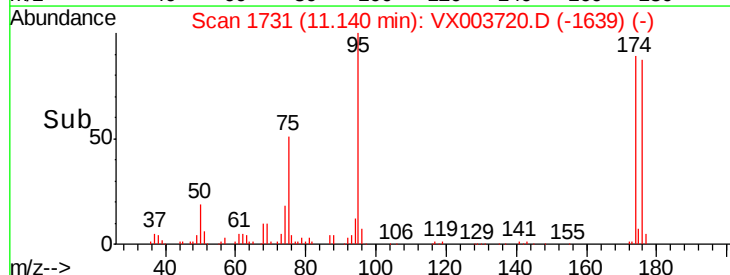
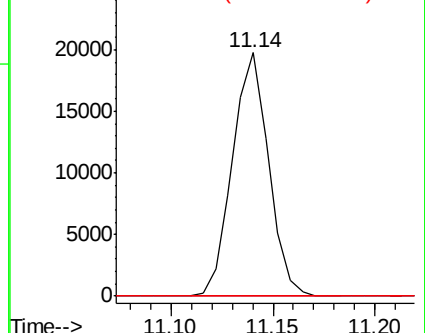
89 0.0 21.8 65.4#

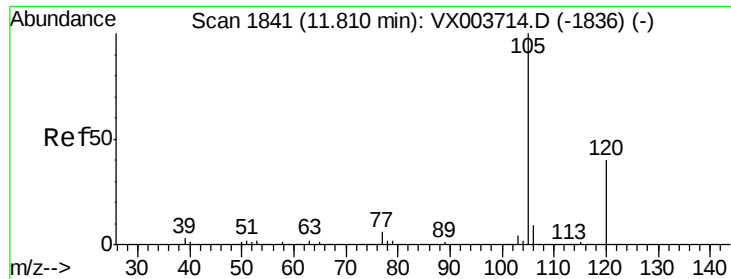


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0





#80

1,2,4-Trimethylbenzene

Concen: 38.87 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003720.D

Acq: 27 Jul 2018 17:29

Instrument :

MSVOA_X

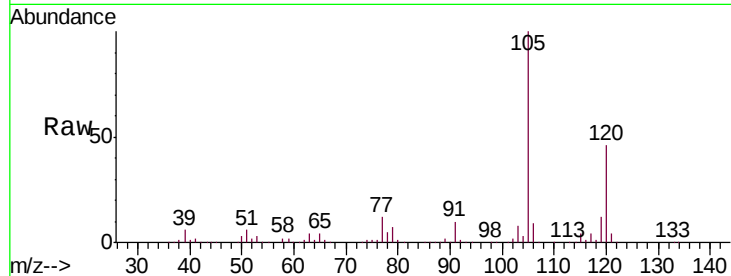
ClientSampled :
1513

Tot Ion:105 Resp: 189140

Ion Ratio Lower Upper

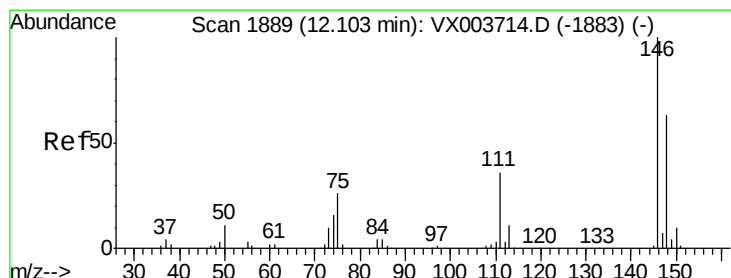
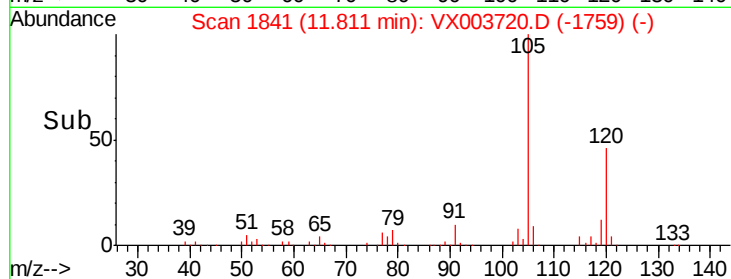
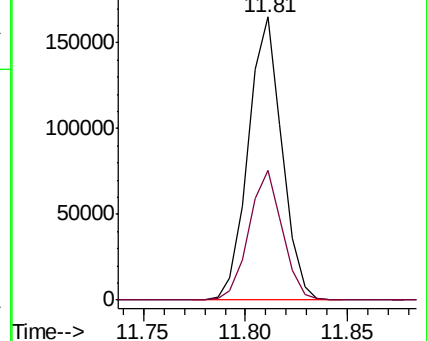
105 100

120 45.5 0.0 89.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,4-Dichlorobenzene

Concen: 98.99 ug/l

RT: 12.10 min Scan# 1888

Delta R.T. -0.01 min

Lab File: VX003720.D

Acq: 27 Jul 2018 17:29

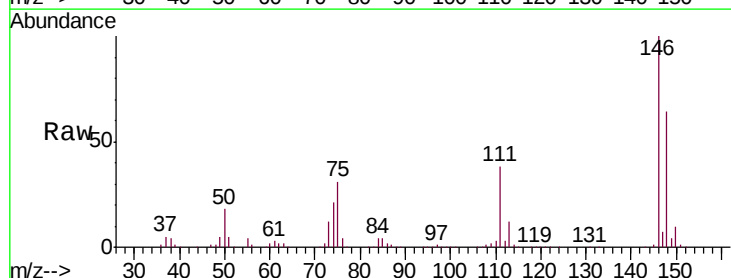
Tgt Ion:146 Resp: 274841

Ion Ratio Lower Upper

146 100

111 37.2 18.5 55.5

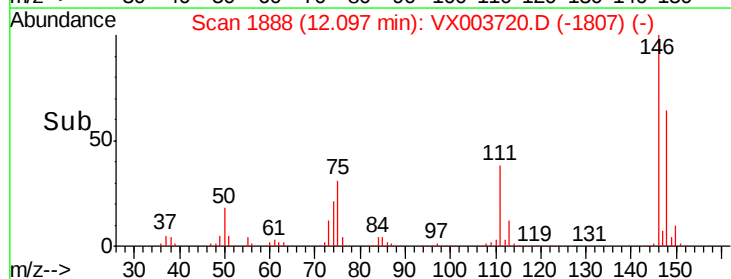
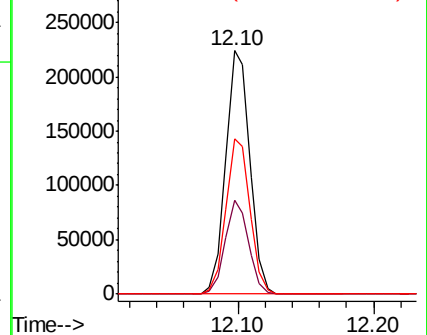
148 63.7 32.0 96.0

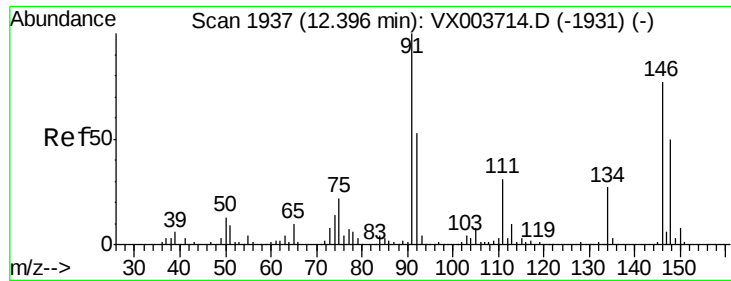


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

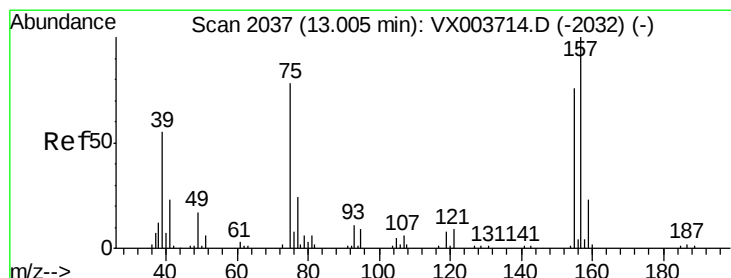
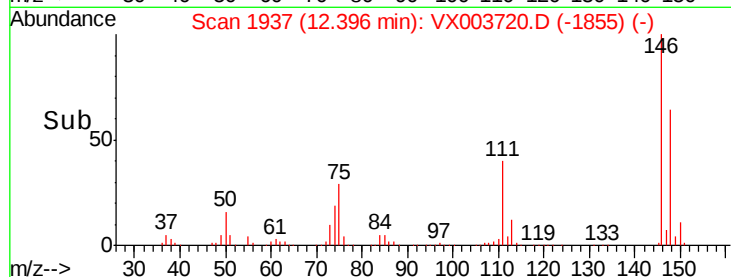
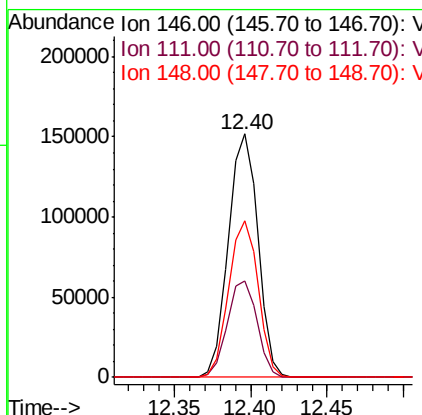
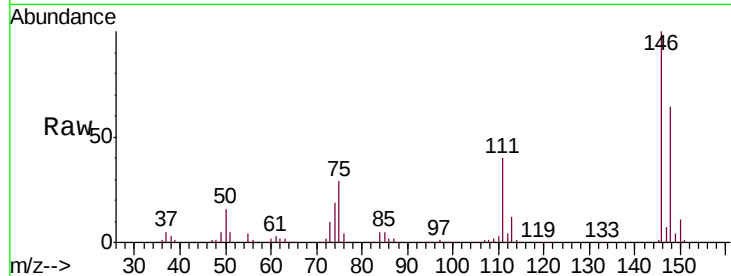




#87
 1,2-Dichlorobenzene
 Concen: 73.25 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003720.D
 Acq: 27 Jul 2018 17:29

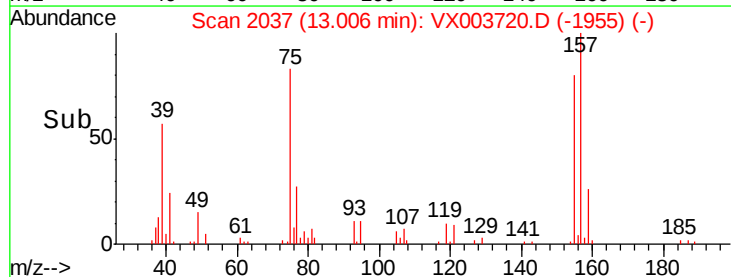
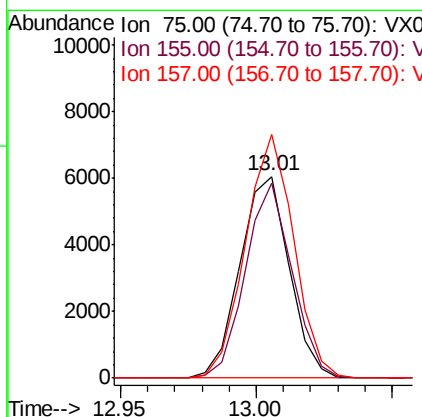
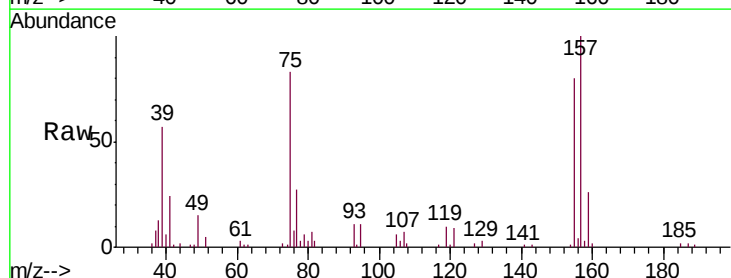
Instrument :
 MSVOA_X
 ClientSampled :
 1513

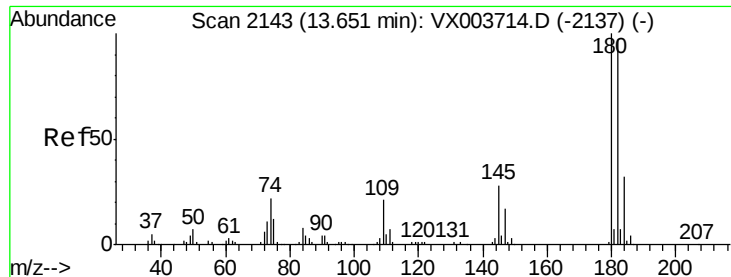
Tot Ion:146 Resp: 202777
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.0 59.9
 148 64.0 32.8 98.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.00 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003720.D
 Acq: 27 Jul 2018 17:29

Tgt Ion: 75 Resp: 7601
 Ion Ratio Lower Upper
 75 100
 155 91.8 73.1 109.7
 157 118.3 93.1 139.7

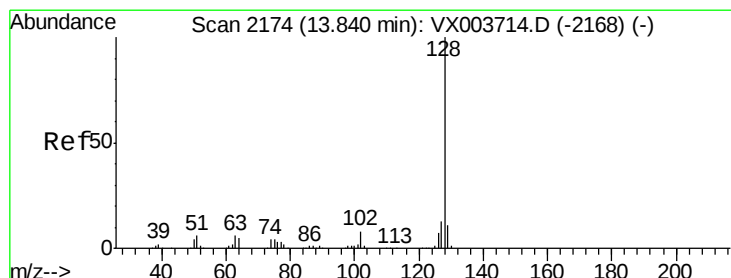
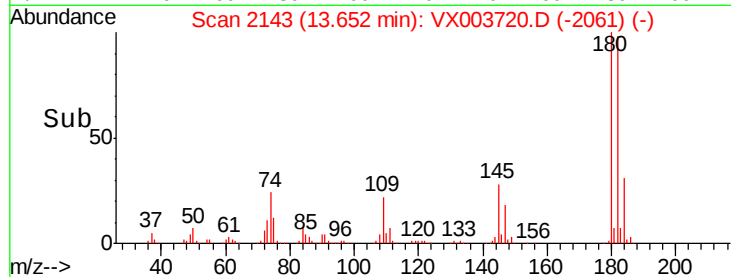
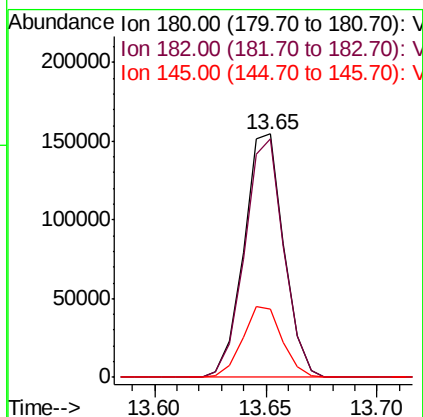
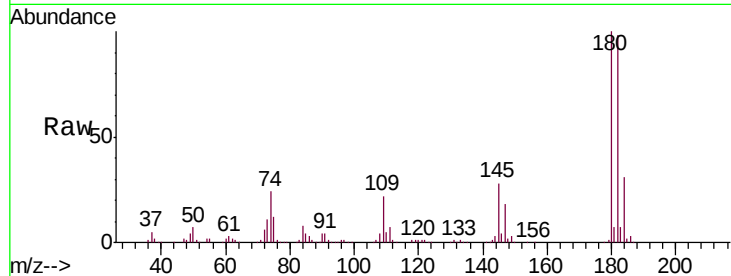




#89
1,2,4-Trichlorobenzene
Concen: 99.79 ug/l
RT: 13.65 min Scan# 2143
Delta R.T. 0.00 min
Lab File: VX003720.D
Acq: 27 Jul 2018 17:29

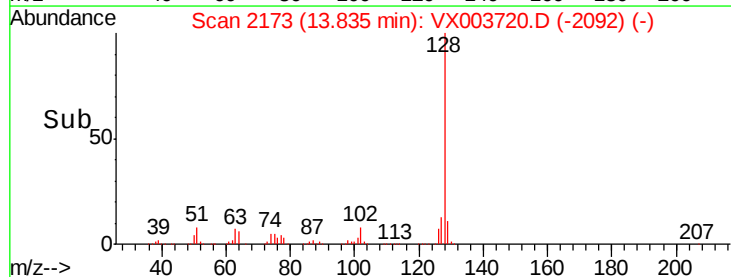
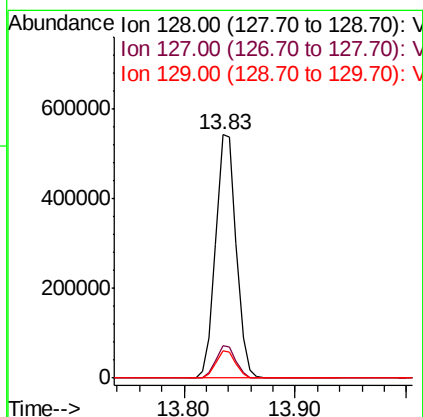
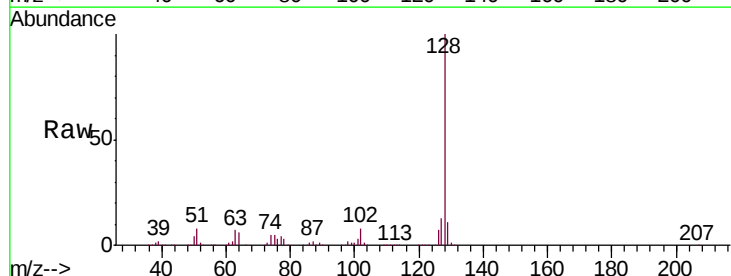
Instrument :
MSVOA_X
ClientSampled :
1513

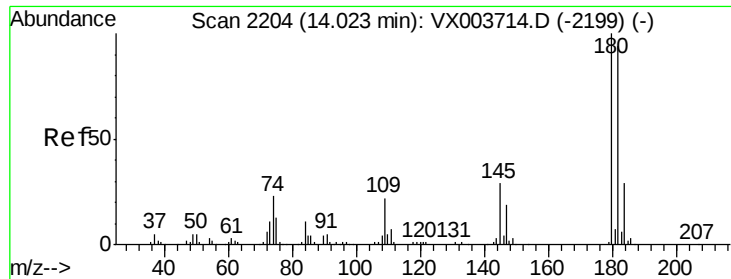
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.4	114.6
145	28.8	22.9	34.3



#91
Naphthalene
Concen: 116.73 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.01 min
Lab File: VX003720.D
Acq: 27 Jul 2018 17:29

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.9	8.9	13.3

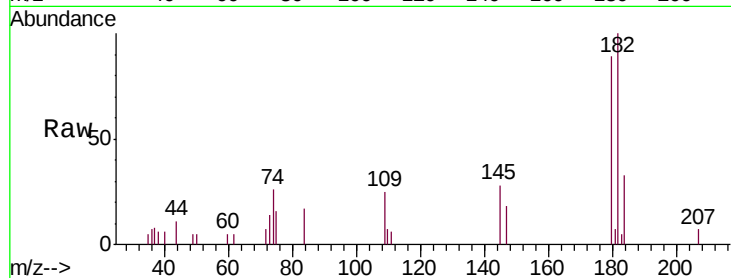




#92
 1,2,3-Trichlorobenzene
 Concen: 0.69 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VX003720.D
 Acq: 27 Jul 2018 17:29

Instrument :
 MSVOA_X
 ClientSampleId :
 1513

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.5	0.0	191.0
145	30.7	0.0	60.6



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

