

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073118\
 Data File : VX003772.D
 Acq On : 01 Aug 2018 02:13
 Operator : JC/SP
 Sample : J4121-09
 Misc : 8.49G/5.0mL/MSVOA X/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-072318

Quant Time: Aug 01 06:44:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 11:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	11774	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	15830	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	13968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	4667	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	5644	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	
35) Dibromofluoromethane	5.51	113	5460	58.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.16%	
50) Toluene-d8	8.72	98	19598	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
62) 4-Bromofluorobenzene	11.14	95	5416	37.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.60%	

Target Compounds						Qvalue
3) Chloromethane	1.33	50	62	0.50	ug/l	# 42
5) Bromomethane	1.65	94	136	Below	Cal	96
6) Chloroethane	1.60	64	1158	13.03	ug/l	# 61
10) Methyl Iodide	2.52	142	217	1.69	ug/l	# 55
16) Acetone	2.45	43	3552	78.09	ug/l	94
17) Carbon Disulfide	2.58	76	732	2.14	ug/l	# 75
18) Methyl Acetate	2.79	43	445	3.48	ug/l	# 80
20) Methylene Chloride	2.86	84	421	0.35	ug/l	95
25) 2-Butanone	4.70	43	884	13.33	ug/l	# 49
26) 2,2-Dichloropropane	4.70	77	238	1.54	ug/l	# 51
31) Cyclohexane	5.67	56	147	0.77	ug/l	# 20
36) 1,1-Dichloropropene	5.67	75	808	5.45	ug/l	# 41
37) Ethyl Acetate	4.70	43	884	7.76	ug/l	# 72
38) Carbon Tetrachloride	5.68	117	1077	7.85	ug/l	# 12
39) Methylcyclohexane	7.46	83	154	0.85	ug/l	# 43
40) Benzene	6.15	78	1943	4.57	ug/l	98
51) 4-Methyl-2-Pentanone	8.72	43	109	0.98	ug/l	# 1
52) Toluene	8.79	92	525	1.98	ug/l	88
59) 2-Hexanone	9.44	43	20	0.24	ug/l	# 23
67) Ethyl Benzene	10.26	91	726	1.47	ug/l	96
68) m/p-Xylenes	10.36	106	1153	5.98	ug/l	99
69) o-Xylene	10.70	106	533	2.98	ug/l	94
70) Styrene	10.71	104	121	0.40	ug/l	# 32
73) Isopropylbenzene	11.02	105	4023	13.77	ug/l	100
76) 1,2,3-Trichloropropane	11.14	75	2654	41.26	ug/l	# 33
77) Bromobenzene	11.26	156	20	0.26	ug/l	# 18
78) n-propylbenzene	11.36	91	700	1.98	ug/l	94
79) 2-Chlorotoluene	11.44	91	203	1.01	ug/l	# 40
80) 1,3,5-Trimethylbenzene	11.51	105	443	1.78	ug/l	73
81) trans-1,4-Dichloro-2-buten	11.14	75	2654	122.21	ug/l	# 11
82) 4-Chlorotoluene	11.51	91	221	0.91	ug/l	# 44
83) tert-Butylbenzene	11.77	119	67	0.27	ug/l	# 78
84) 1,2,4-Trimethylbenzene	11.81	105	1030	4.01	ug/l	98
85) sec-Butylbenzene	11.95	105	226	0.72	ug/l	# 56

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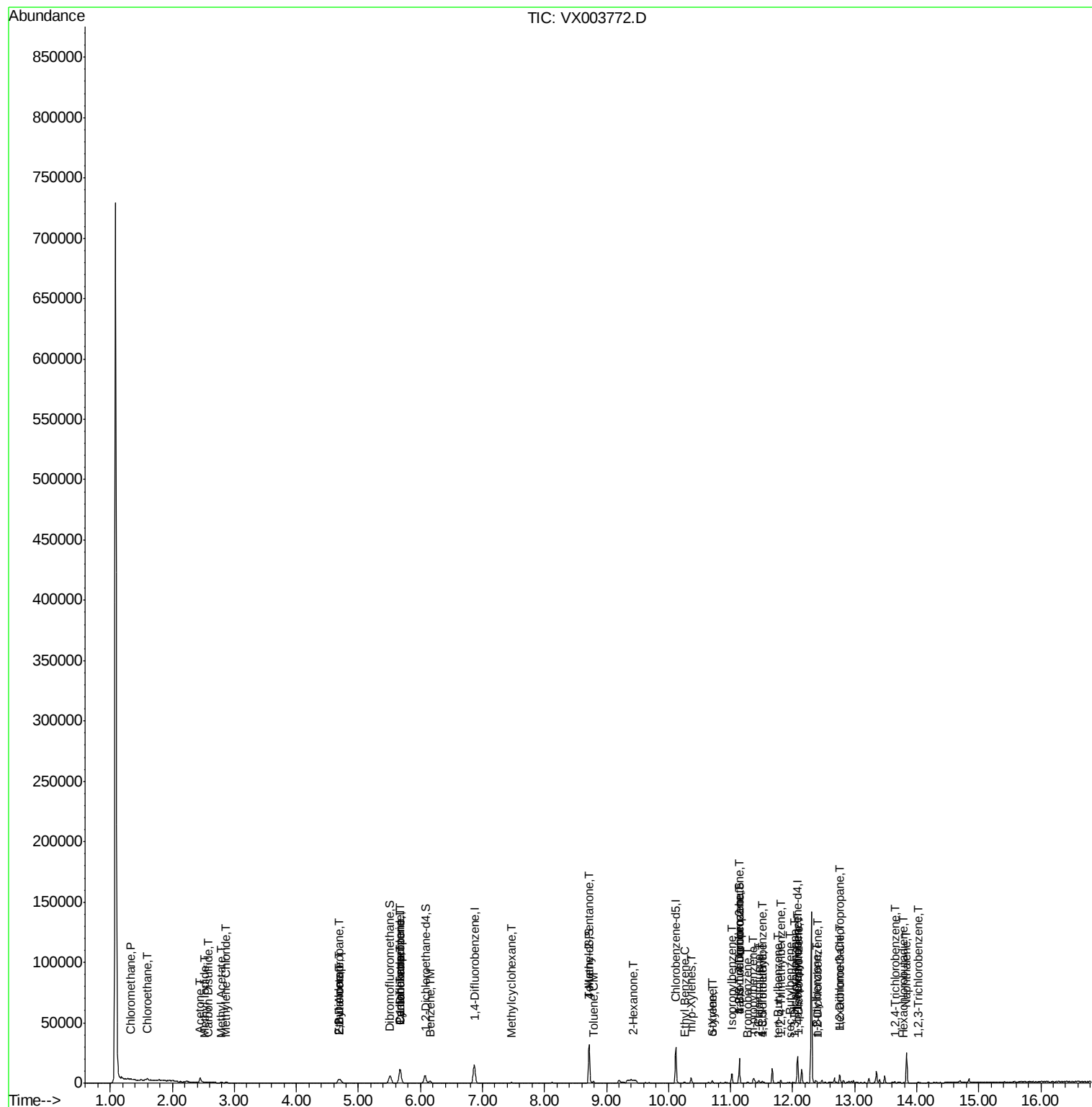
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	12.07	119	394	1.37	ug/l #	48
87) 1,3-Dichlorobenzene	12.03	146	121	0.79	ug/l #	67
88) 1,4-Dichlorobenzene	12.10	146	184	1.17	ug/l #	78
89) n-Butylbenzene	12.39	91	489	1.79	ug/l #	71
90) Hexachloroethane	12.76	117	2793	65.58	ug/l #	1
91) 1,2-Dichlorobenzene	12.40	146	134	0.93	ug/l #	63
92) 1,2-Dibromo-3-Chloropropan	12.76	75	21	1.39	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.65	180	245	2.15	ug/l	77
94) Hexachlorobutadiene	13.79	225	86	1.18	ug/l #	29
95) Naphthalene	13.83	128	15387	63.26	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	241	2.33	ug/l	73

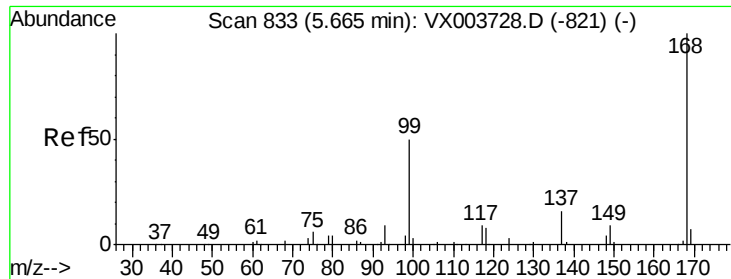
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX073118\
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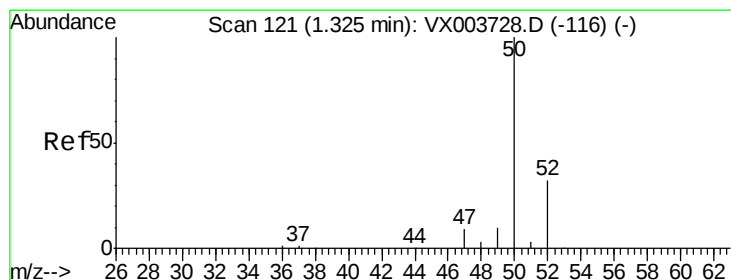
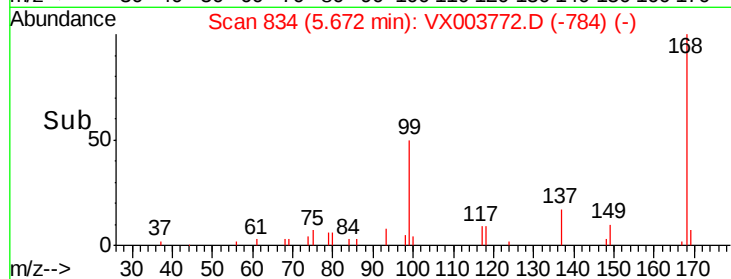
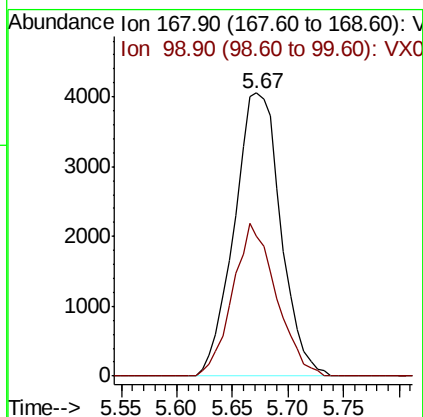
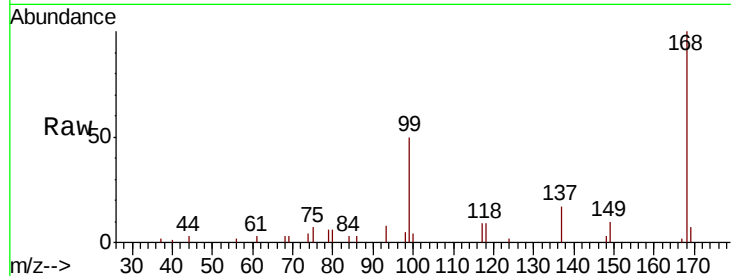




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.01 min
Lab File: VX003772.D
Acq: 01 Aug 2018 02:13

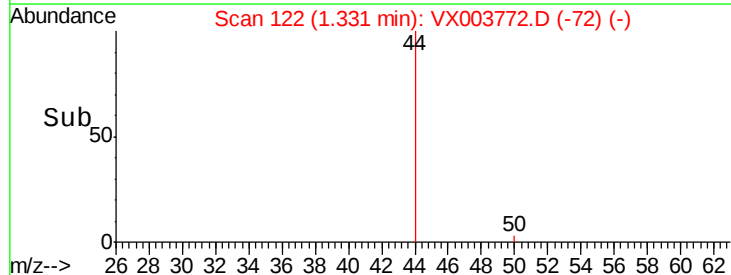
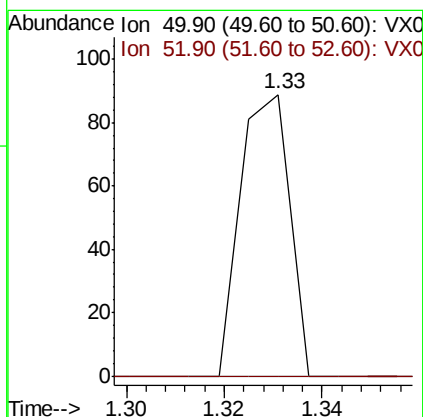
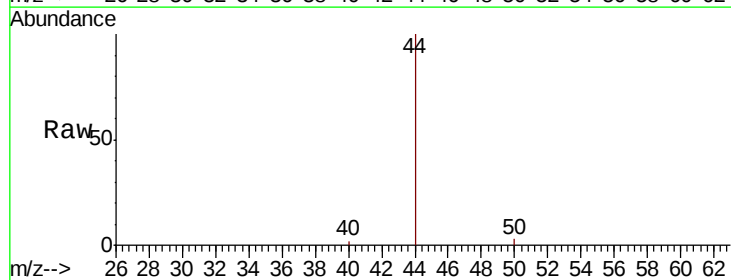
Instrument :
MSVOA_X
ClientSampleId :
DUP-072318

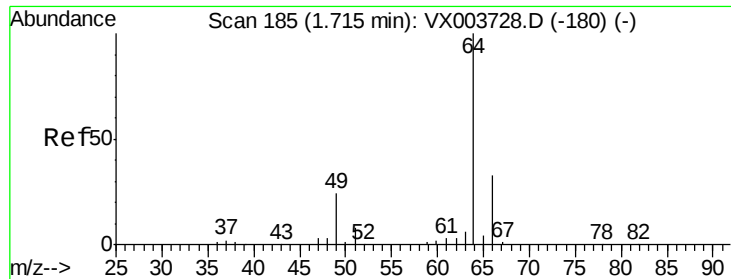
Tot Ion:168 Resp: 11774
Ion Ratio Lower Upper
168 100
99 49.7 40.2 60.2



#3
Chloromethane
Concen: 0.50 ug/l
RT: 1.33 min Scan# 122
Delta R.T. 0.01 min
Lab File: VX003772.D
Acq: 01 Aug 2018 02:13

Tgt Ion: 50 Resp: 62
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#





#6

Chloroethane

Concen: 13.03 ug/l

RT: 1.60 min Scan# 166

Delta R.T. -0.11 min

Lab File: VX003772.D

Acq: 01 Aug 2018 02:13

Instrument :

MSVOA_X

ClientSampled :

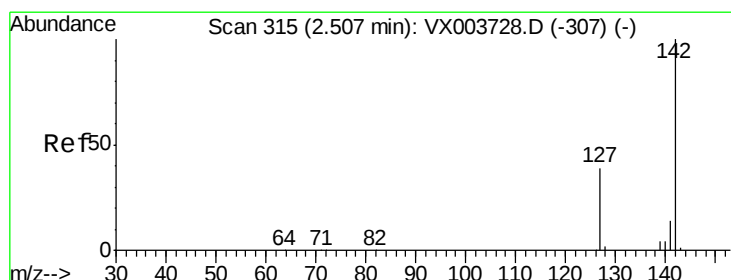
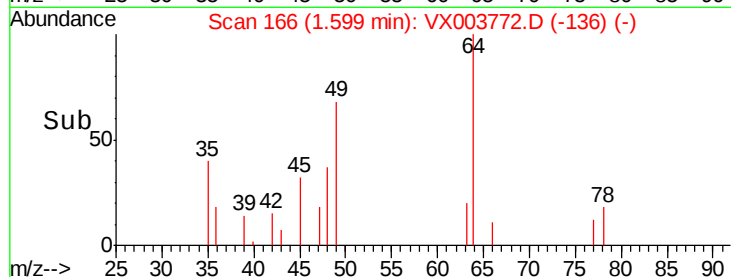
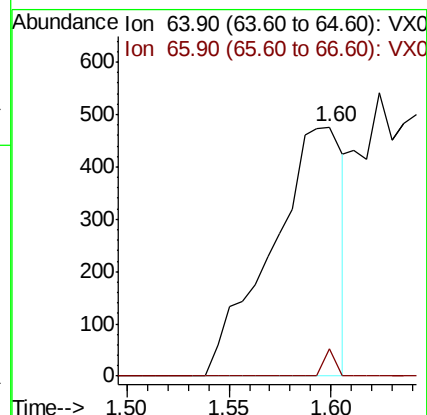
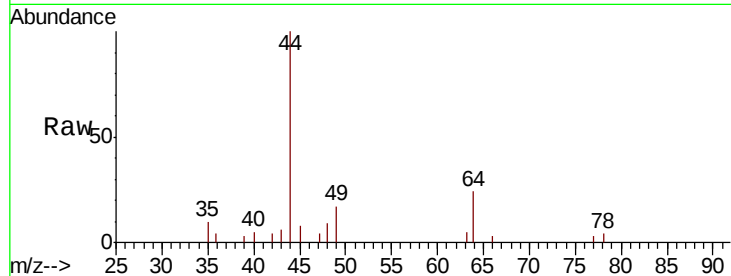
DUP-072318

Tot Ion: 64 Resp: 1158

Ion Ratio Lower Upper

64 100

66 10.9 26.4 39.6#



#10

Methyl Iodide

Concen: 1.69 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003772.D

Acq: 01 Aug 2018 02:13

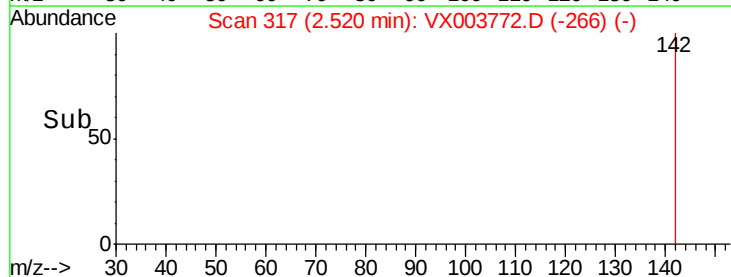
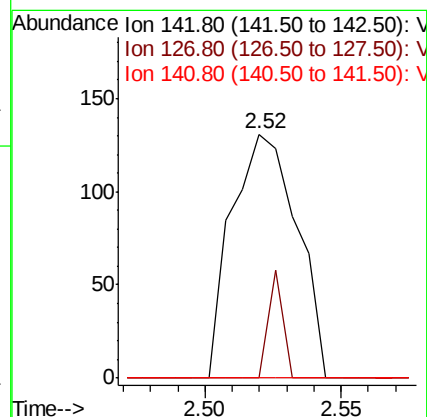
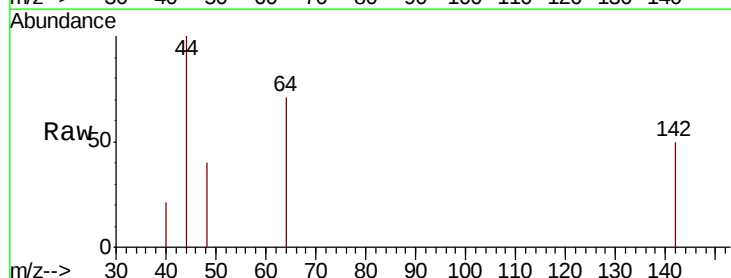
Tgt Ion: 142 Resp: 217

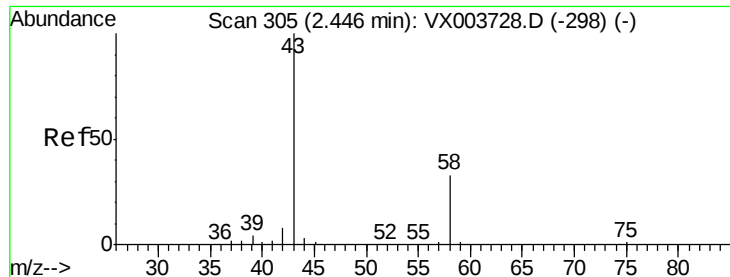
Ion Ratio Lower Upper

142 100

127 9.7 32.0 48.0#

141 0.0 11.3 16.9#





#16

Acetone

Concen: 78.09 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003772.D

Acq: 01 Aug 2018 02:13

Instrument :

MSVOA_X

ClientSampleId :

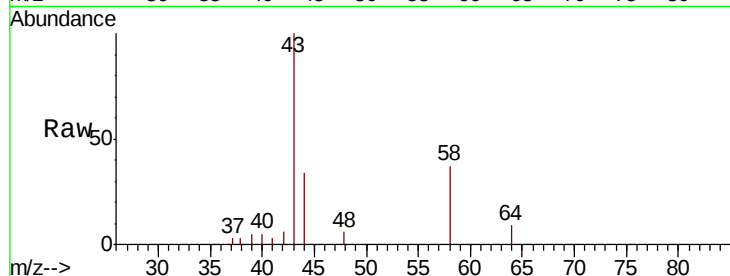
DUP-072318

Tot Ion: 43 Resp: 3552

Ion Ratio Lower Upper

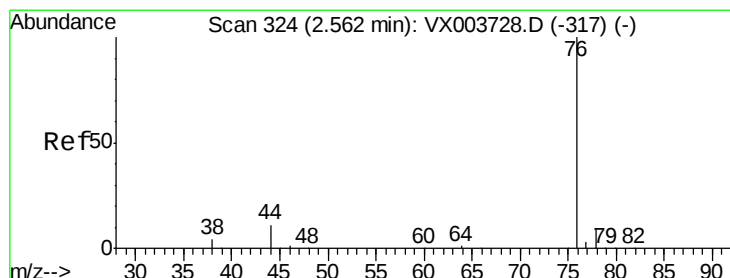
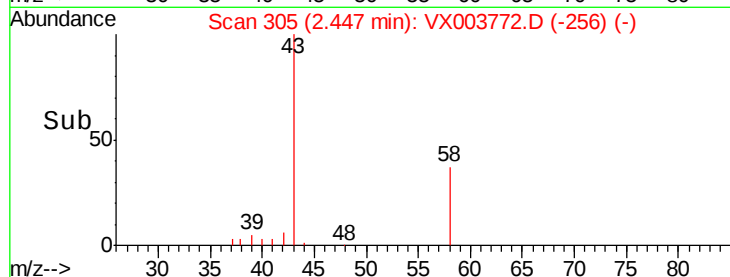
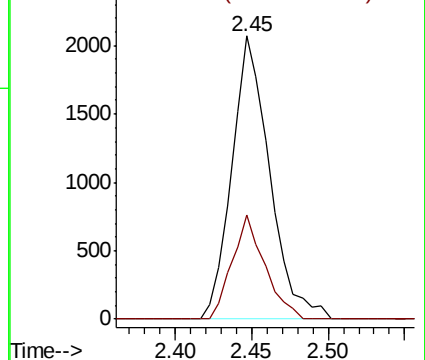
43 100

58 36.6 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 2.14 ug/l

RT: 2.58 min Scan# 327

Delta R.T. 0.02 min

Lab File: VX003772.D

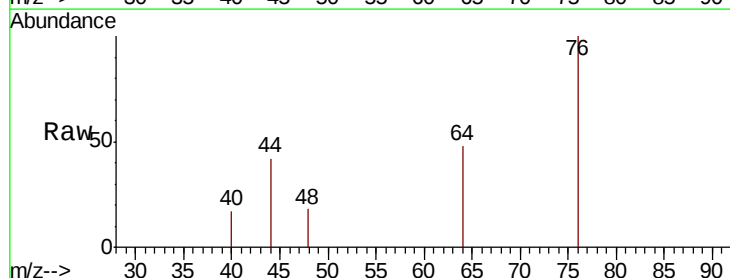
Acq: 01 Aug 2018 02:13

Tgt Ion: 76 Resp: 732

Ion Ratio Lower Upper

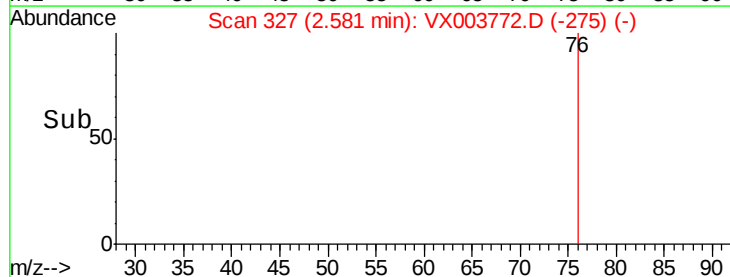
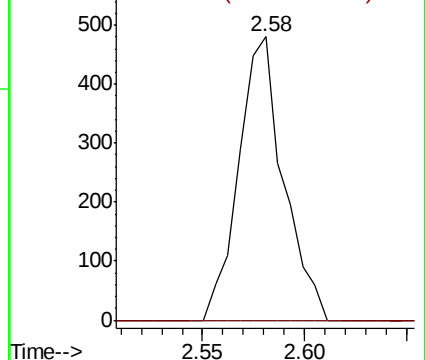
76 100

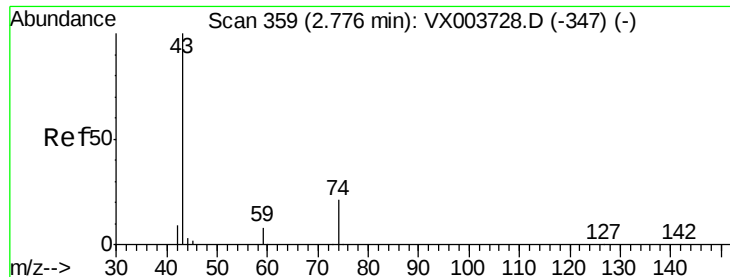
78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

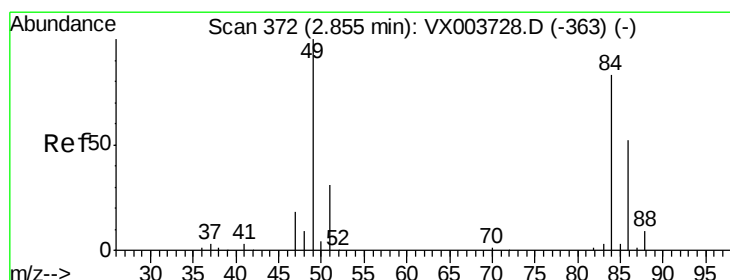
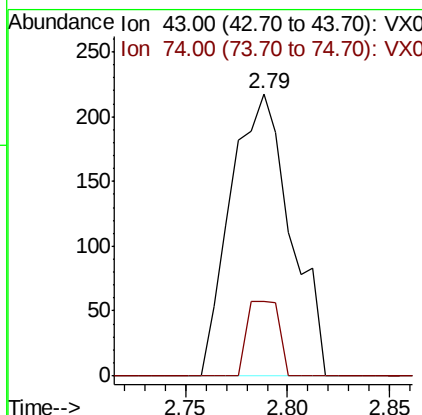
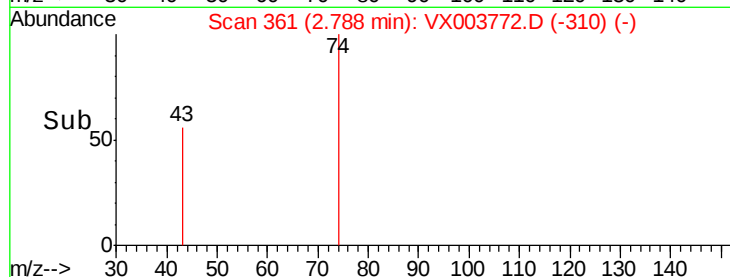
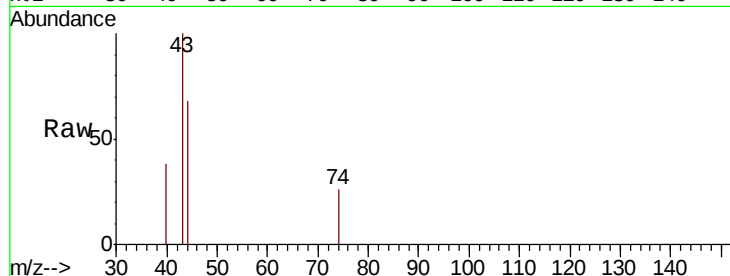




#18
Methyl Acetate
Concen: 3.48 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX003772.D
Acq: 01 Aug 2018 02:13

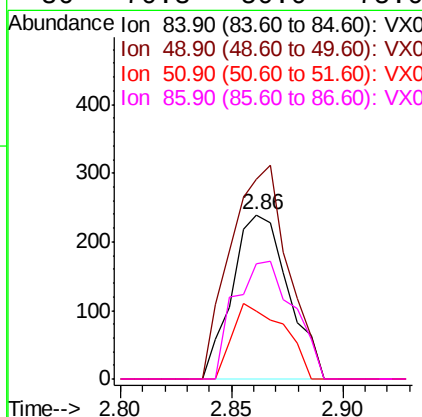
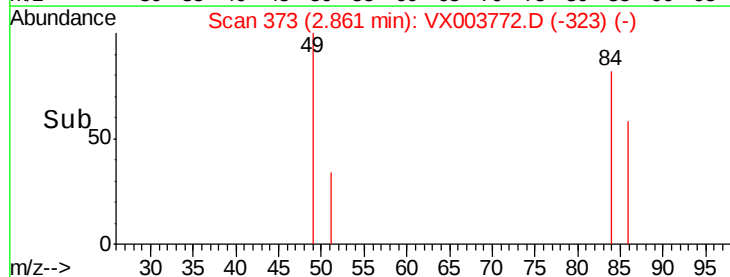
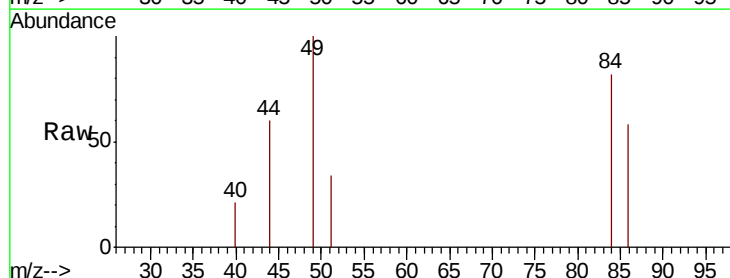
Instrument :
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ClientSampleId :
DUP-072318

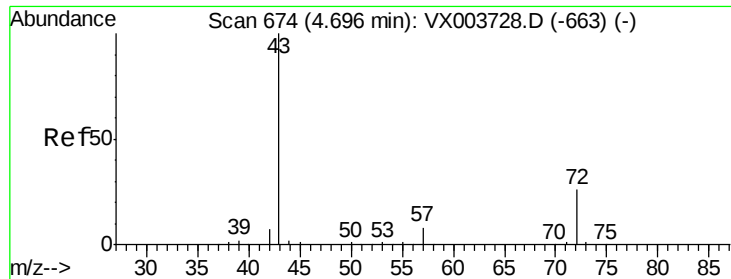
Tot Ion: 43 Resp: 445
Ion Ratio Lower Upper
43 100
74 13.9 18.9 28.3#



#20
Methylene Chloride
Concen: 0.35 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003772.D
Acq: 01 Aug 2018 02:13

Tgt Ion: 84 Resp: 421
Ion Ratio Lower Upper
84 100
49 122.2 95.8 143.8
51 41.4 29.6 44.4
86 70.3 50.0 75.0





#25

2-Butanone

Concen: 13.33 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.01 min

Lab File: VX003772.D

Acq: 01 Aug 2018 02:13

Instrument :

MSVOA_X

ClientSampleId :

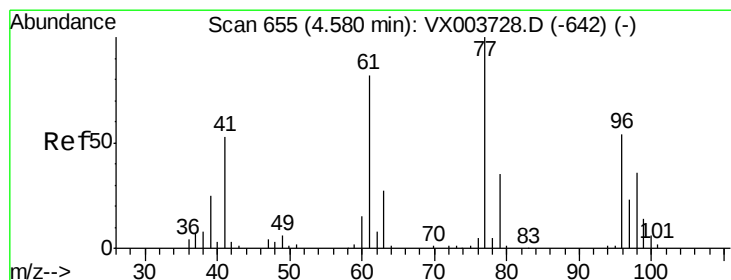
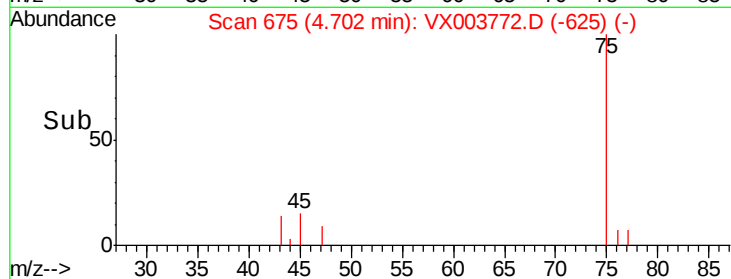
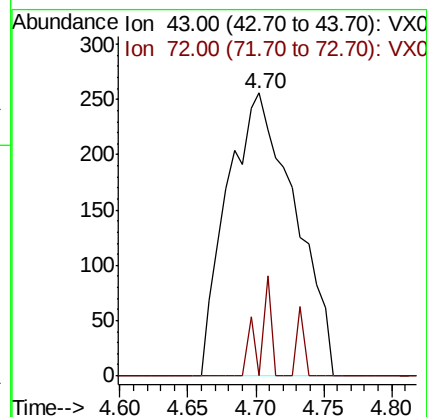
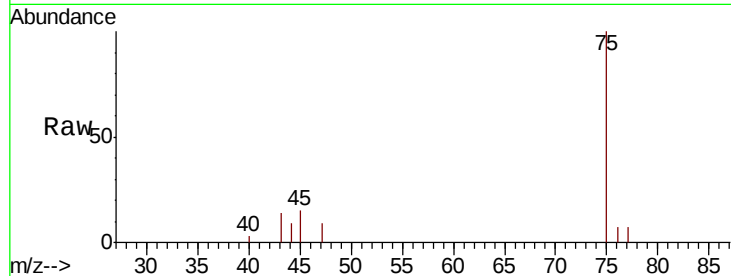
DUP-072318

Tot Ion: 43 Resp: 884

Ion Ratio Lower Upper

43 100

72 0.0 20.9 31.3#



#26

2,2-Dichloropropane

Concen: 1.54 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.12 min

Lab File: VX003772.D

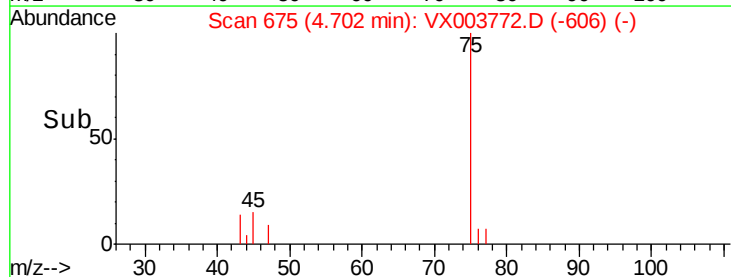
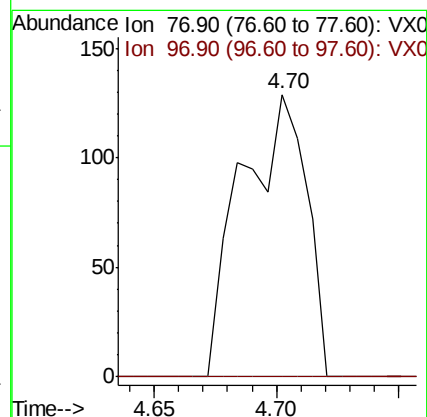
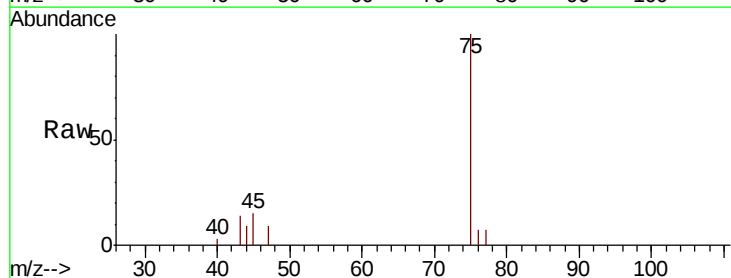
Acq: 01 Aug 2018 02:13

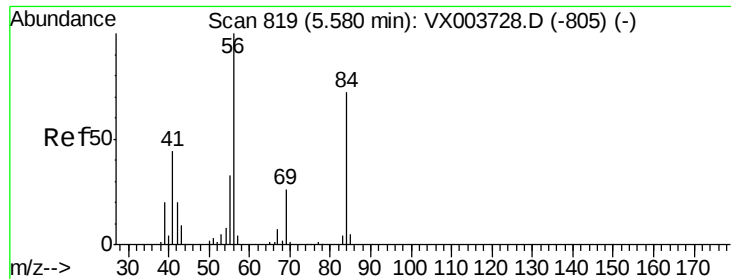
Tgt Ion: 77 Resp: 238

Ion Ratio Lower Upper

77 100

97 0.0 12.2 36.6#

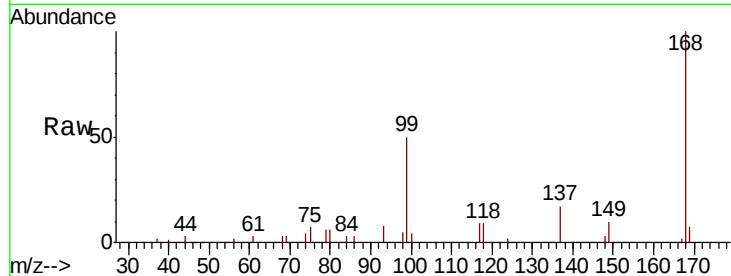




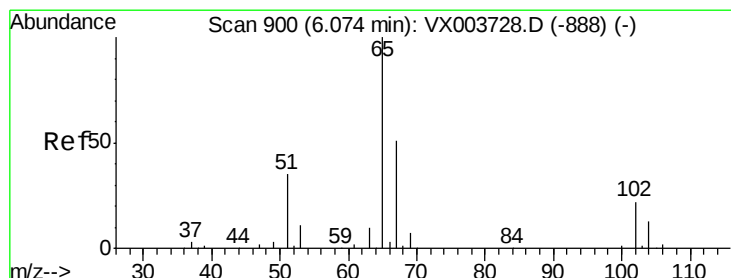
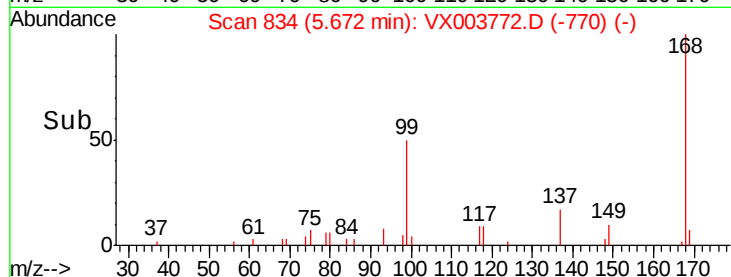
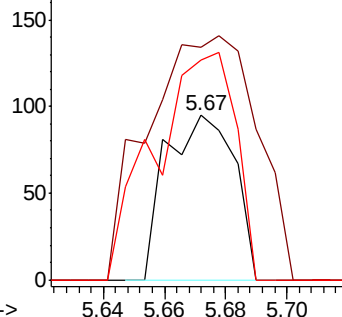
#31
Cyclohexane
Concen: 0.77 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX003772.D
Acq: 01 Aug 2018 02:13

Instrument :
MSVOA_X
ClientSampleId :
DUP-072318

Tot Ion: 56 Resp: 147
Ion Ratio Lower Upper
56 100
69 75.8 20.6 30.8#
84 133.7 57.9 86.9#

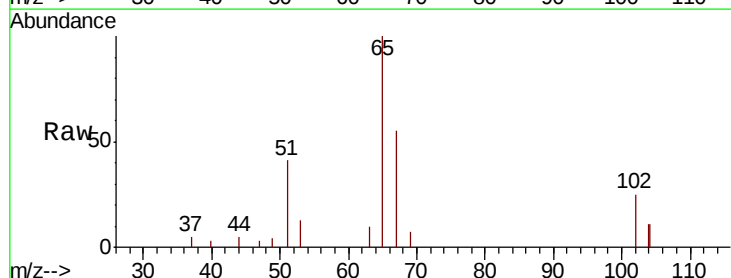


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

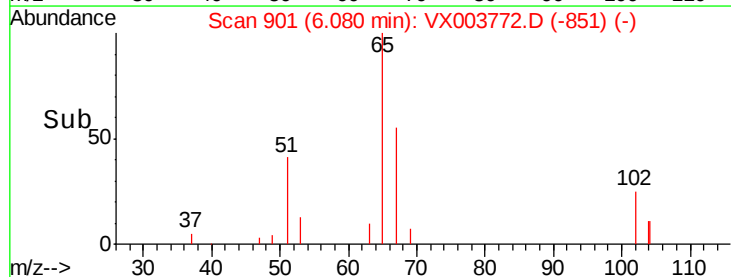
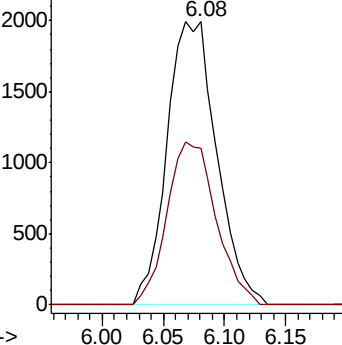


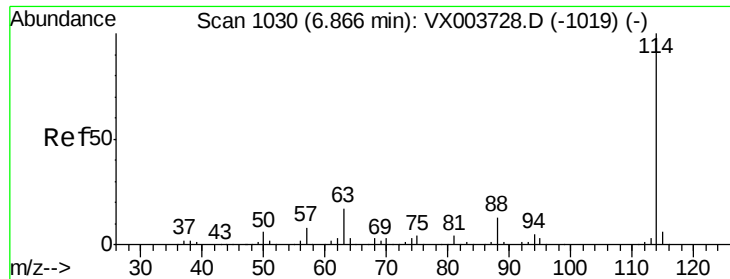
#33
1,2-Dichloroethane-d4
Concen: 47.40 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VX003772.D
Acq: 01 Aug 2018 02:13

Tgt Ion: 65 Resp: 5644
Ion Ratio Lower Upper
65 100
67 56.6 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

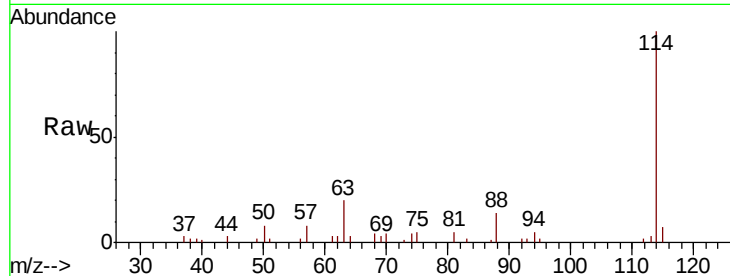




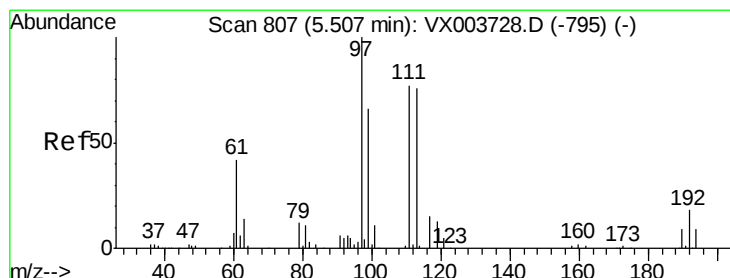
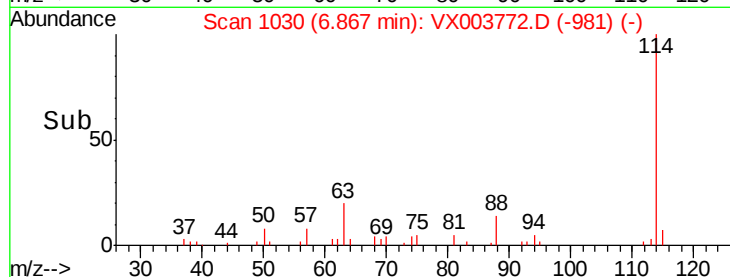
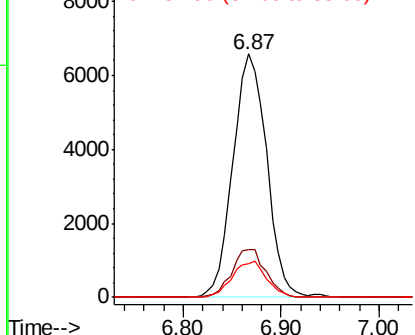
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003772.D
 Acq: 01 Aug 2018 02:13

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-072318

Tot Ion:114 Resp: 15830
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 34.0
 88 13.6 0.0 26.4

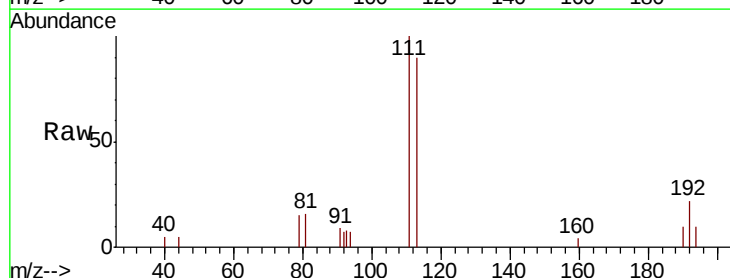


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

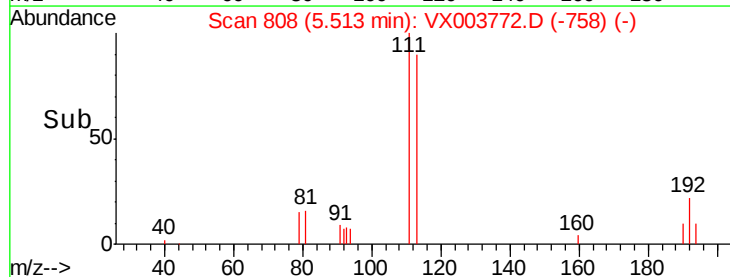
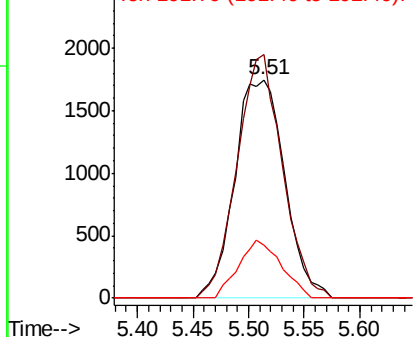


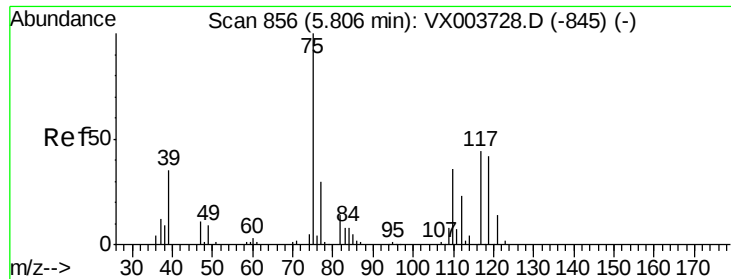
#35
 Dibromofluoromethane
 Concen: 58.58 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX003772.D
 Acq: 01 Aug 2018 02:13

Tgt Ion:113 Resp: 5460
 Ion Ratio Lower Upper
 113 100
 111 101.1 81.8 122.6
 192 22.5 18.8 28.2



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: 5.45 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX003772.D

Acq: 01 Aug 2018 02:13

Instrument :

MSVOA_X

ClientSampled :

DUP-072318

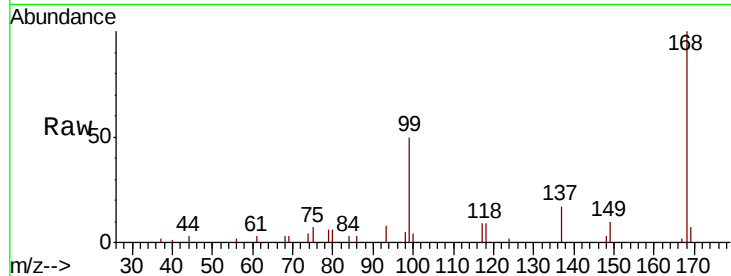
Tot Ion: 75 Resp: 808

Ion Ratio Lower Upper

75 100

110 0.0 18.3 54.8#

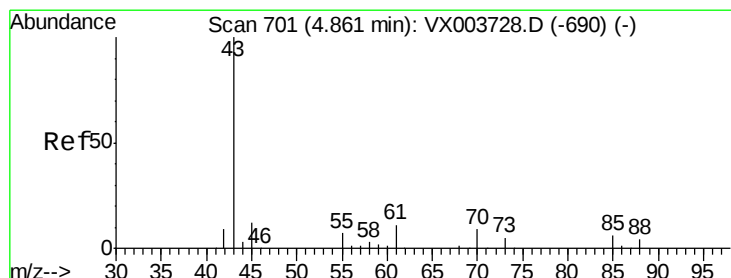
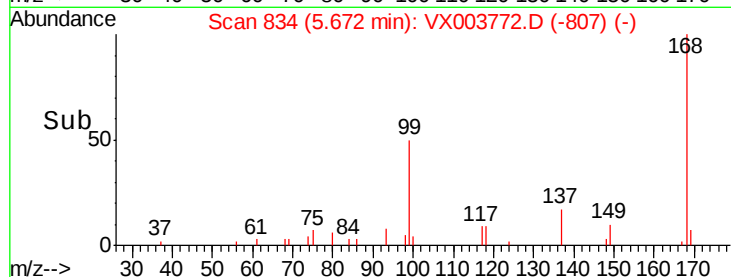
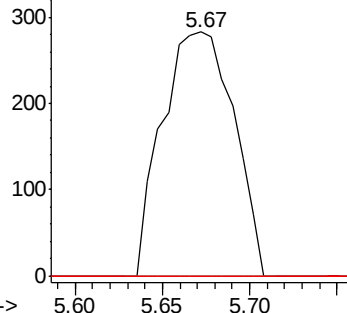
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 7.76 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.16 min

Lab File: VX003772.D

Acq: 01 Aug 2018 02:13

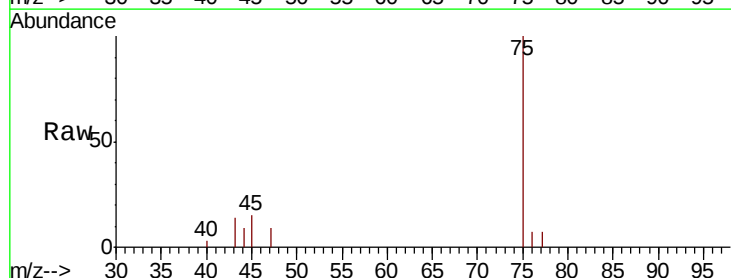
Tgt Ion: 43 Resp: 884

Ion Ratio Lower Upper

43 100

61 2.3 11.4 17.0#

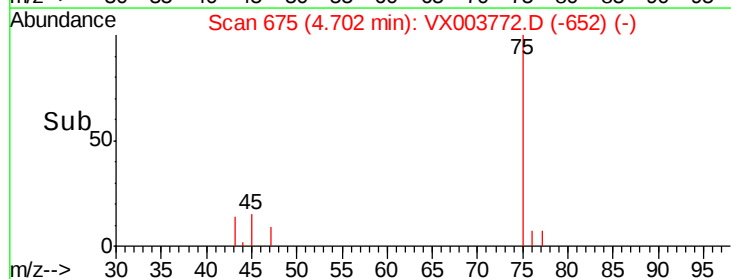
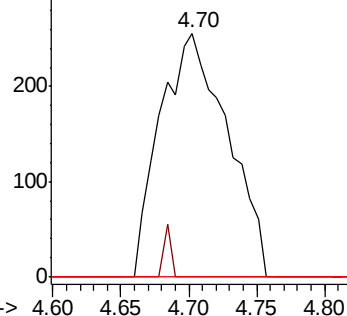
70 0.0 8.2 12.2#

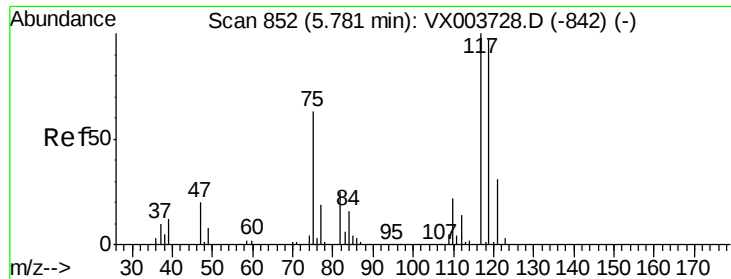


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 7.85 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.10 min

Lab File: VX003772.D

Acq: 01 Aug 2018 02:13

Instrument :

MSVOA_X

ClientSampled :

DUP-072318

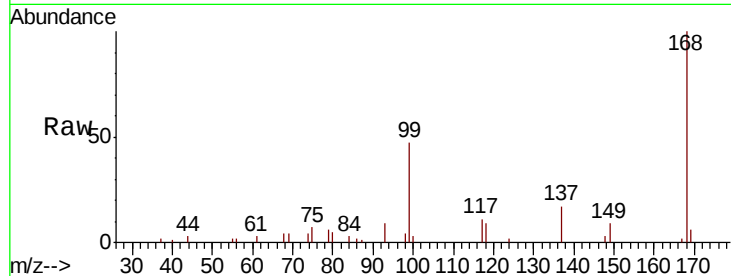
Tot Ion:117 Resp: 1077

Ion Ratio Lower Upper

117 100

119 0.0 77.2 115.8#

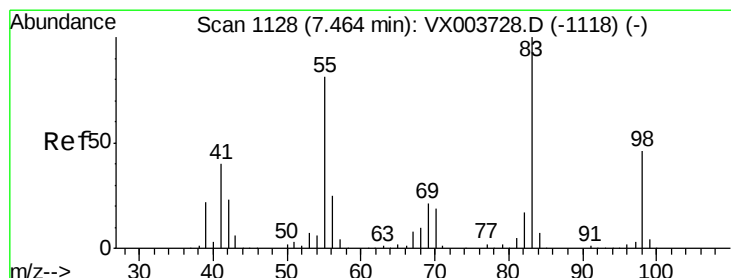
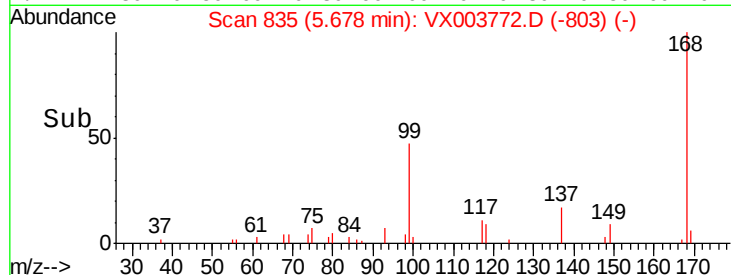
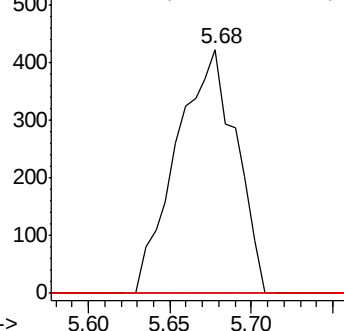
121 0.0 25.0 37.4#



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: 0.85 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX003772.D

Acq: 01 Aug 2018 02:13

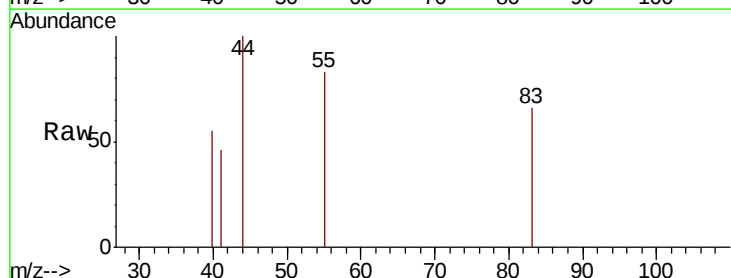
Tgt Ion: 83 Resp: 154

Ion Ratio Lower Upper

83 100

55 125.5 65.0 97.6#

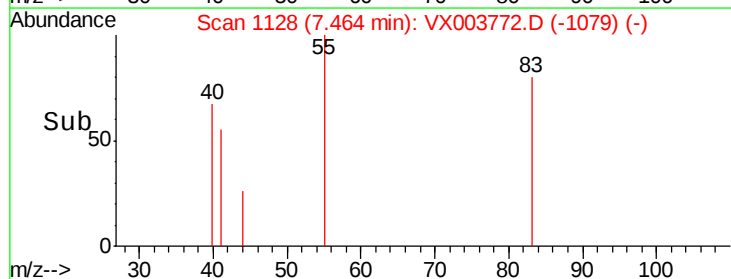
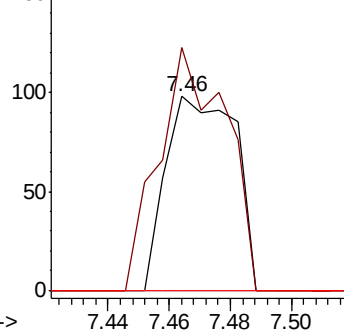
98 0.0 37.1 55.7#

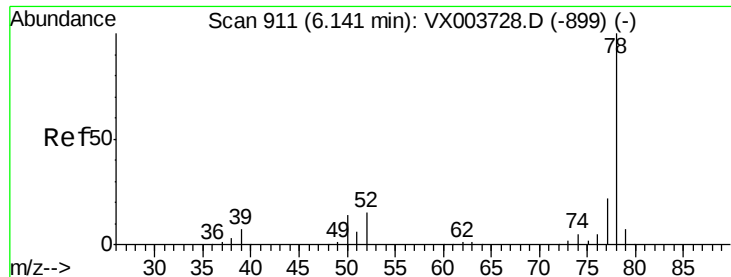


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 4.57 ug/l

RT: 6.15 min Scan# 913

Delta R.T. 0.01 min

Lab File: VX003772.D

Acq: 01 Aug 2018 02:13

Instrument :

MSVOA_X

ClientSampleId :

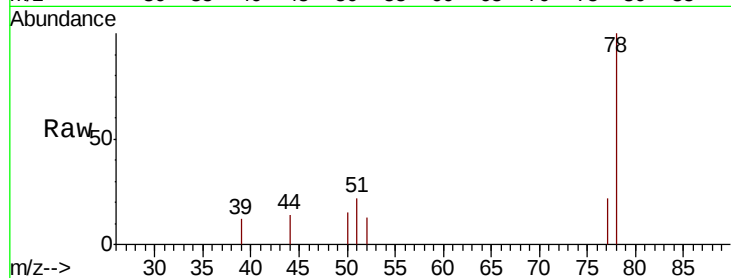
DUP-072318

Tot Ion: 78 Resp: 1943

Ion Ratio Lower Upper

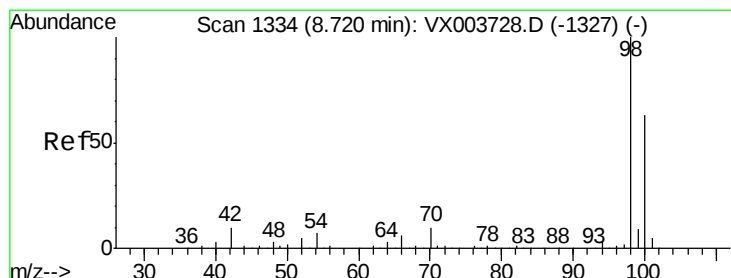
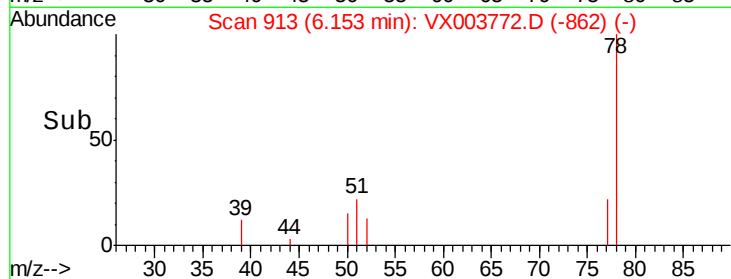
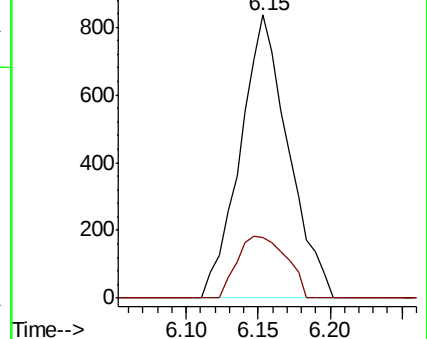
78 100

77 21.7 17.9 26.9



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 50.43 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003772.D

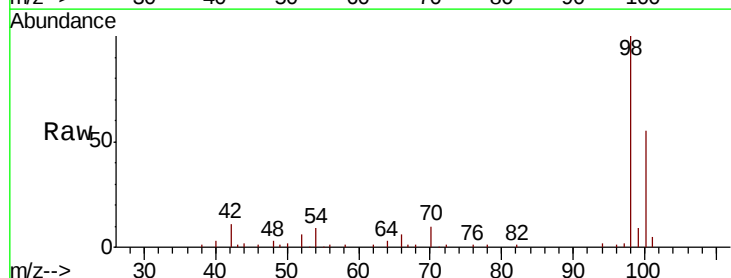
Acq: 01 Aug 2018 02:13

Tgt Ion: 98 Resp: 19598

Ion Ratio Lower Upper

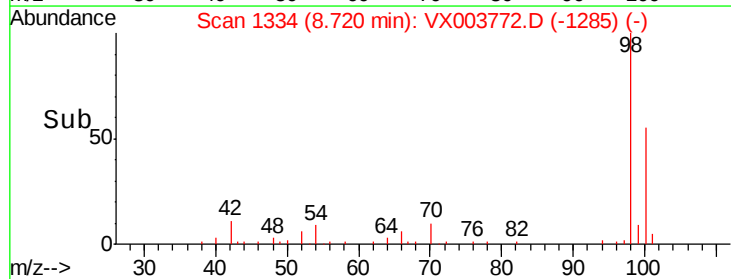
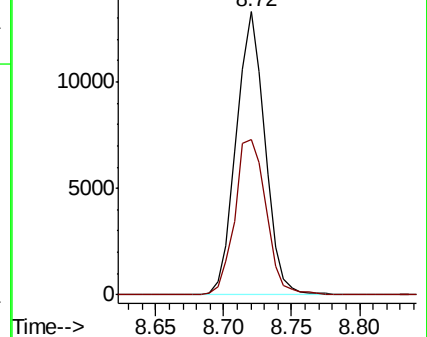
98 100

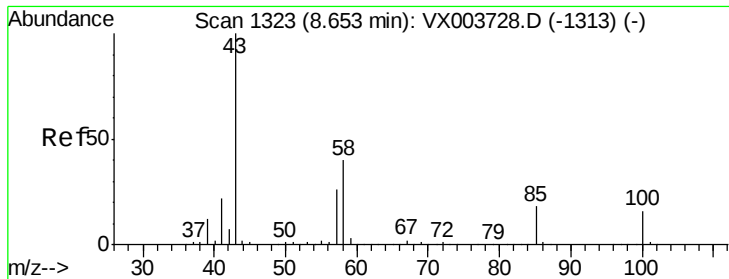
100 60.0 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.98 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.07 min

Lab File: VX003772.D

Acq: 01 Aug 2018 02:13

Instrument :

MSVOA_X

ClientSampled :

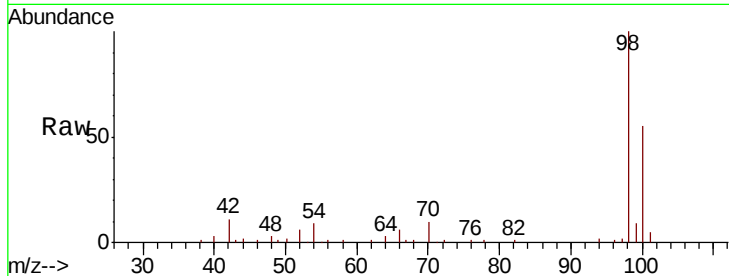
DUP-072318

Tot Ion: 43 Resp: 109

Ion Ratio Lower Upper

43 100

58 107.3 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.72

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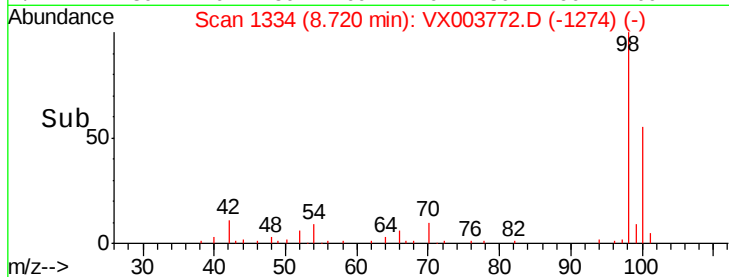
8.72

8.72

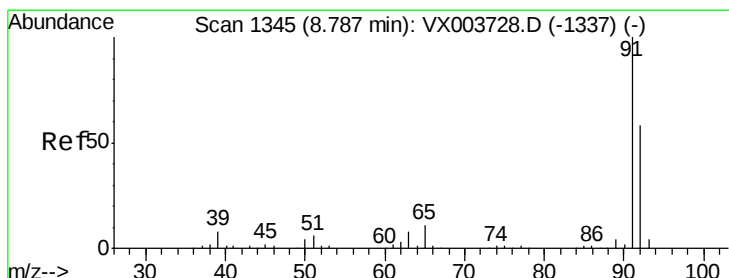
8.72

8.72

8.72



Time-->



#52

Toluene

Concen: 1.98 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003772.D

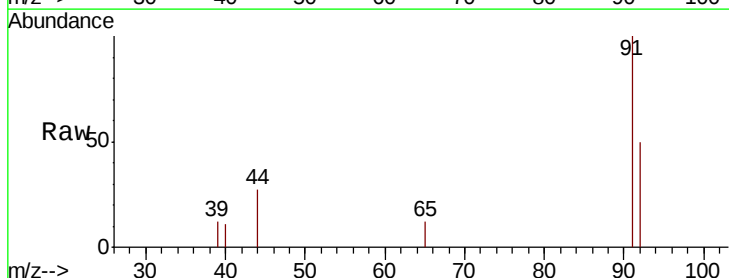
Acq: 01 Aug 2018 02:13

Tgt Ion: 92 Resp: 525

Ion Ratio Lower Upper

92 100

91 190.5 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

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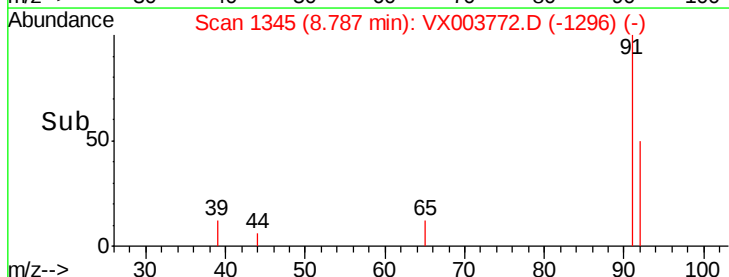
8.79

8.79

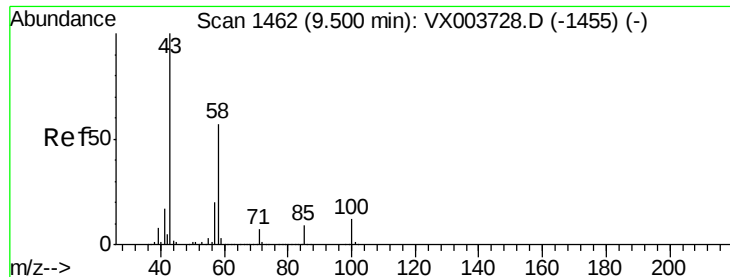
8.79

8.79

8.79



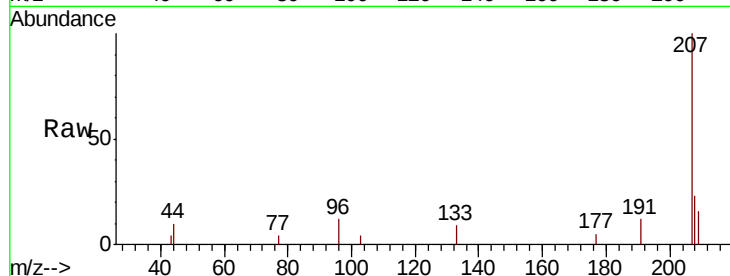
Time-->



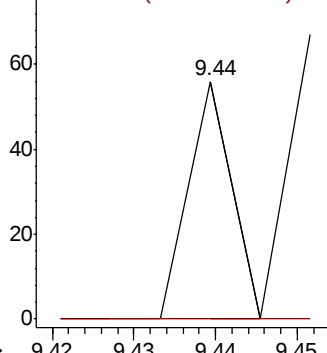
#59
2-Hexanone
Concen: 0.24 ug/l
RT: 9.44 min Scan# 1452
Delta R.T. -0.06 min
Lab File: VX003772.D
Acq: 01 Aug 2018 02:13

Instrument :
MSVOA_X
ClientSampleId :
DUP-072318

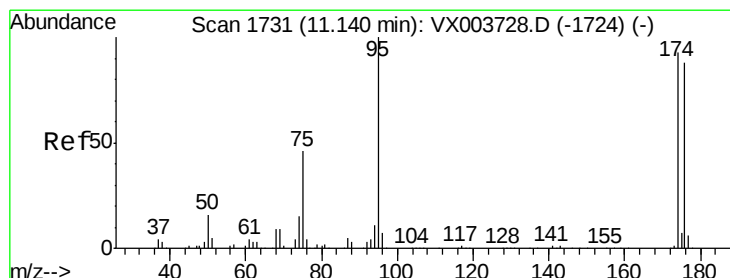
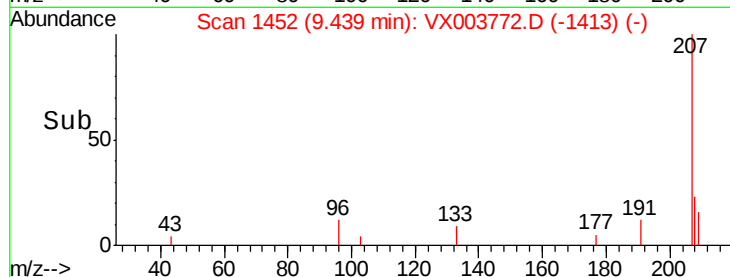
Tot Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
58 0.0 28.0 83.9#



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

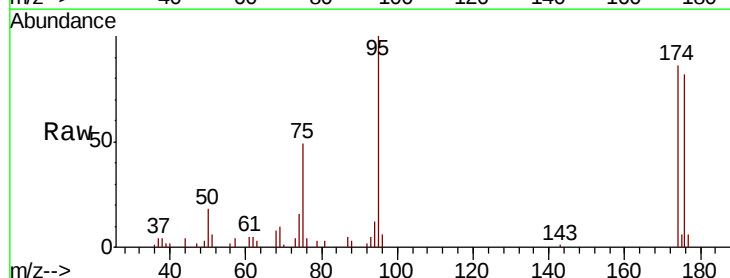


Time-->

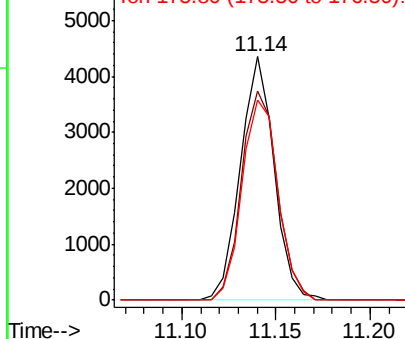


#62
4-Bromofluorobenzene
Concen: 37.80 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003772.D
Acq: 01 Aug 2018 02:13

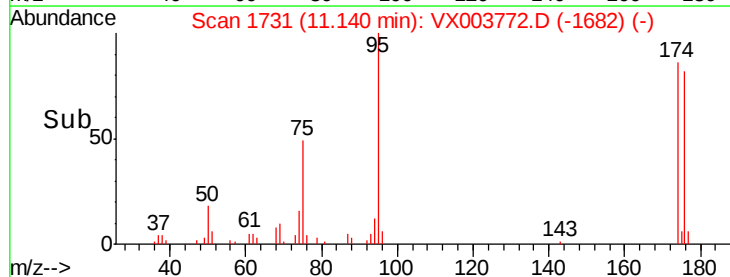
Tgt Ion: 95 Resp: 5416
Ion Ratio Lower Upper
95 100
174 91.2 0.0 186.2
176 87.6 0.0 179.2

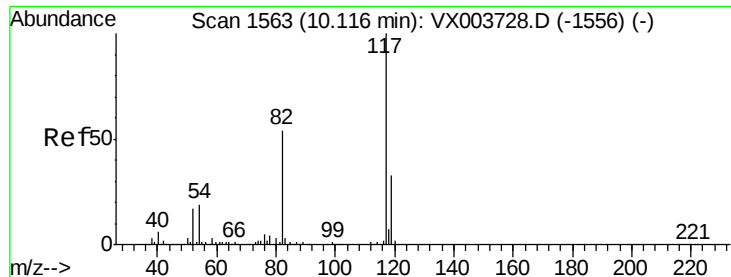


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V



Time-->

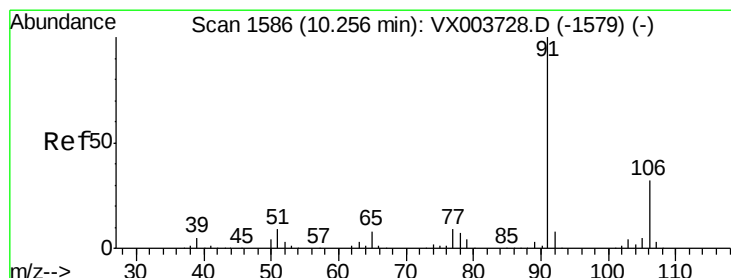
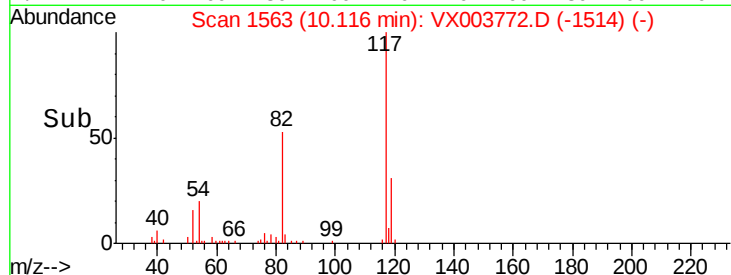
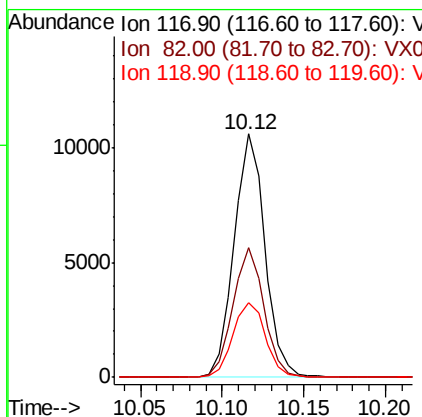
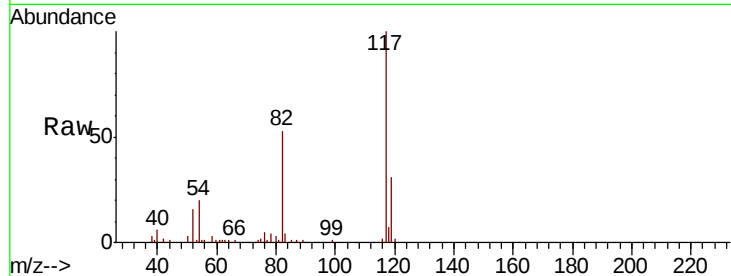




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003772.D
Acq: 01 Aug 2018 02:13

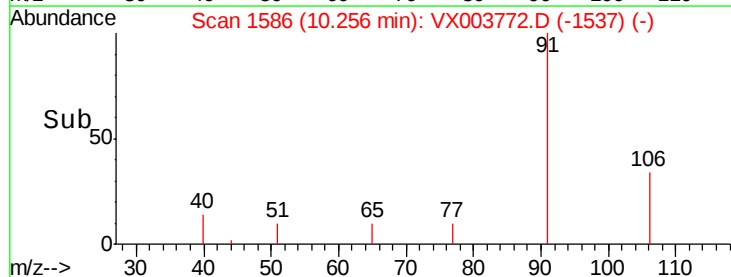
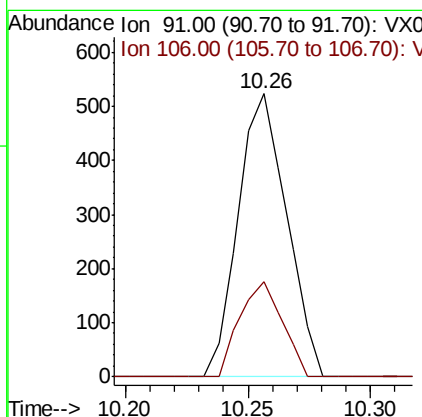
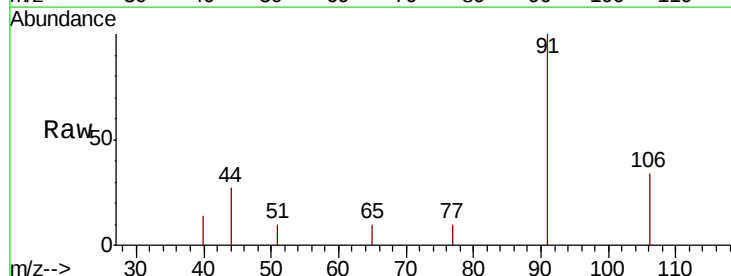
Instrument :
MSVOA_X
ClientSampled :
DUP-072318

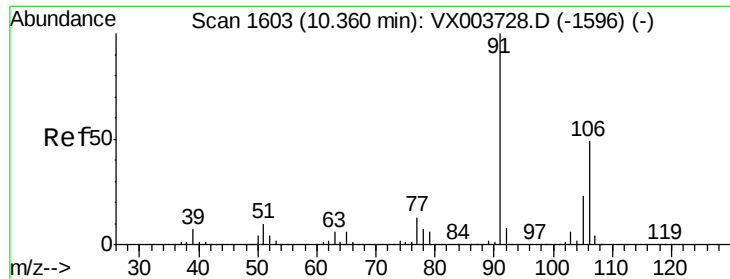
Tot Ion:117 Resp: 13968
Ion Ratio Lower Upper
117 100
82 53.4 43.2 64.8
119 30.9 26.3 39.5



#67
Ethyl Benzene
Concen: 1.47 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003772.D
Acq: 01 Aug 2018 02:13

Tgt Ion: 91 Resp: 726
Ion Ratio Lower Upper
91 100
106 33.8 25.4 38.2

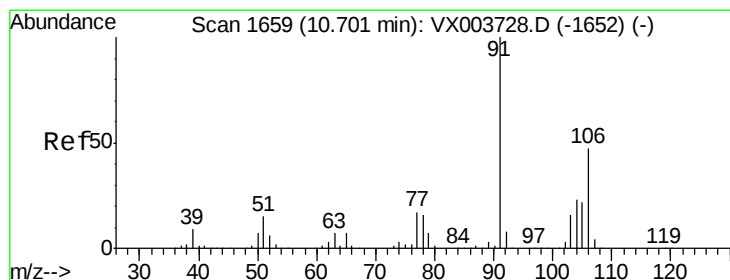
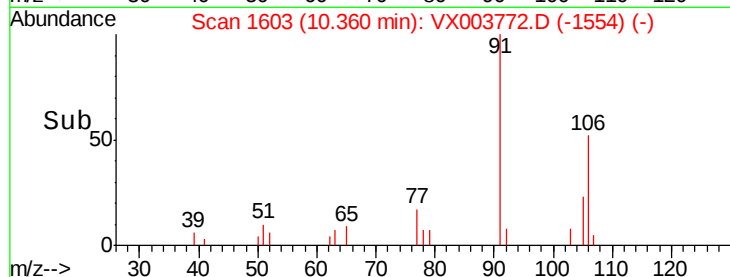
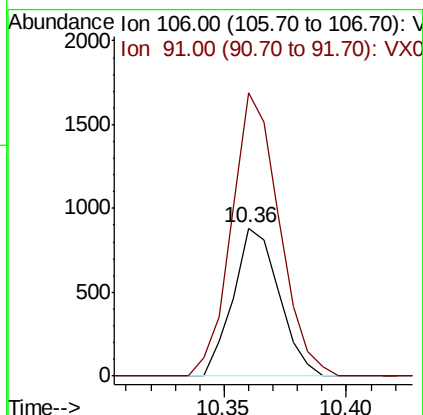
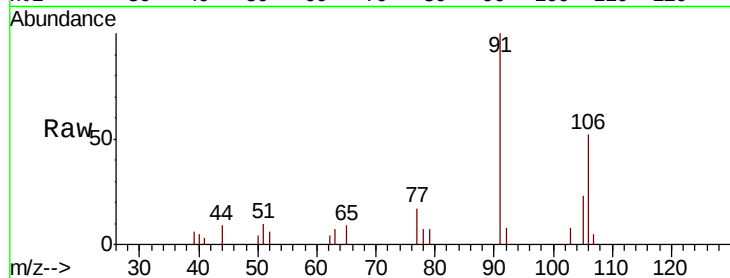




#68
m/p-Xylenes
Concen: 5.98 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003772.D
Acq: 01 Aug 2018 02:13

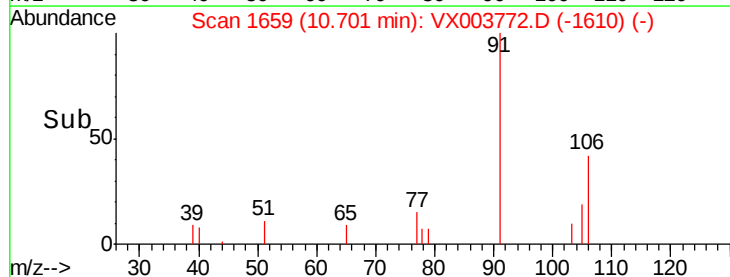
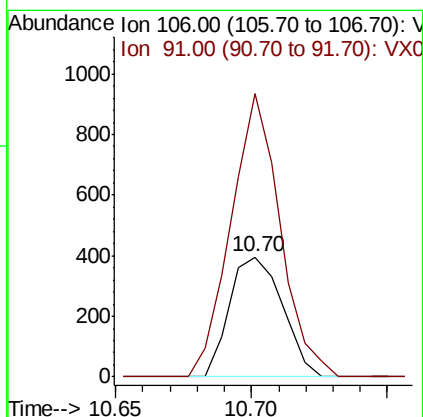
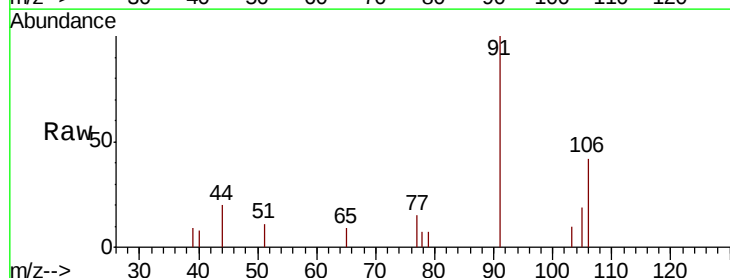
Instrument :
MSVOA_X
ClientSampleId :
DUP-072318

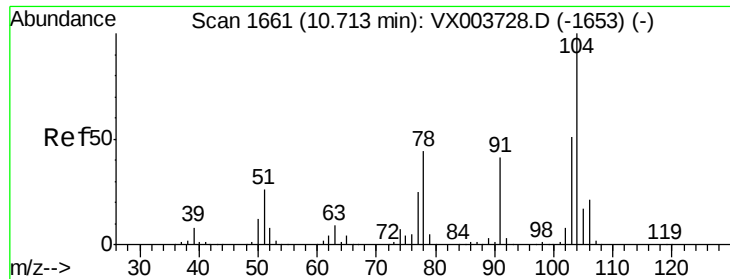
Tot Ion:106 Resp: 1153
Ion Ratio Lower Upper
106 100
91 198.3 159.8 239.8



#69
o-Xylene
Concen: 2.98 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003772.D
Acq: 01 Aug 2018 02:13

Tgt Ion:106 Resp: 533
Ion Ratio Lower Upper
106 100
91 220.1 105.6 316.8





#70

Stvrene

Concen: 0.40 ug/l

RT: 10.71 min Scan# 1660

Delta R.T. -0.01 min

Lab File: VX003772.D

Acq: 01 Aug 2018 02:13

Instrument :

MSVOA_X

ClientSampleId :

DUP-072318

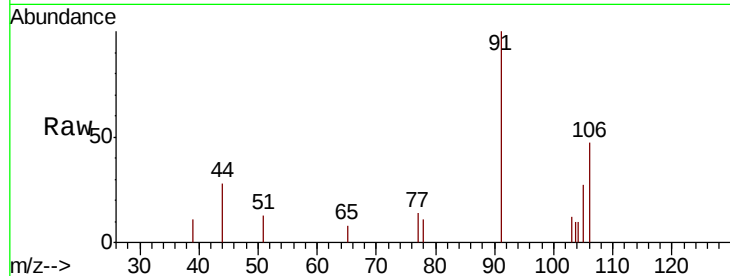
Tot Ion:104 Resp: 121

Ion Ratio Lower Upper

104 100

78 86.0 38.2 57.2#

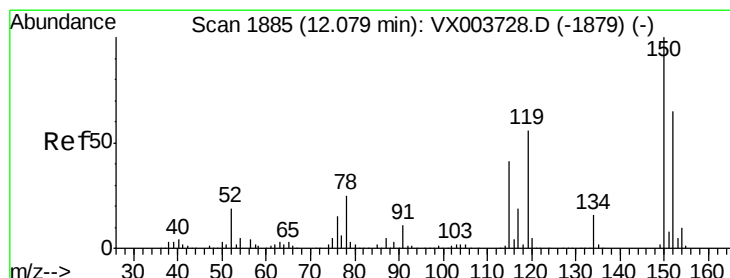
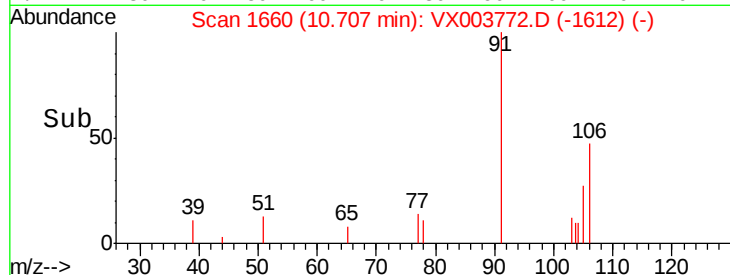
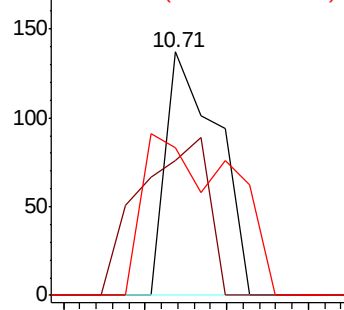
103 111.6 44.5 66.7#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003772.D

Acq: 01 Aug 2018 02:13

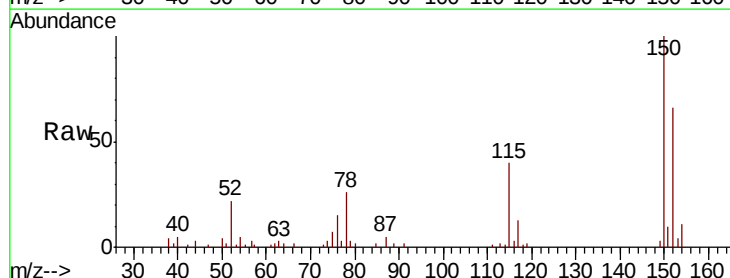
Tgt Ion:152 Resp: 4667

Ion Ratio Lower Upper

152 100

115 57.3 38.5 115.3

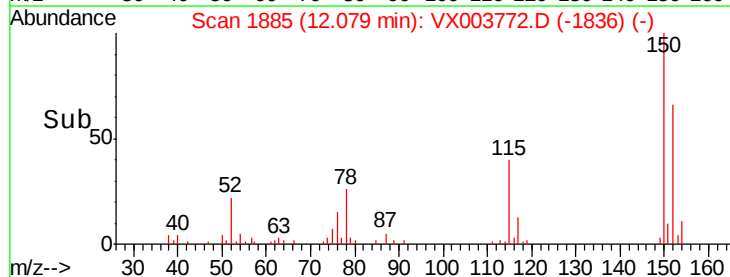
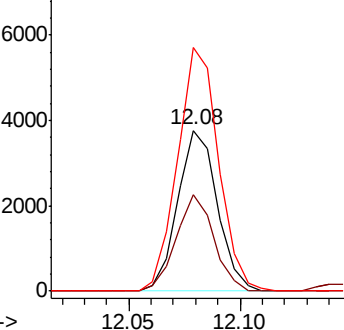
150 156.4 0.0 346.2

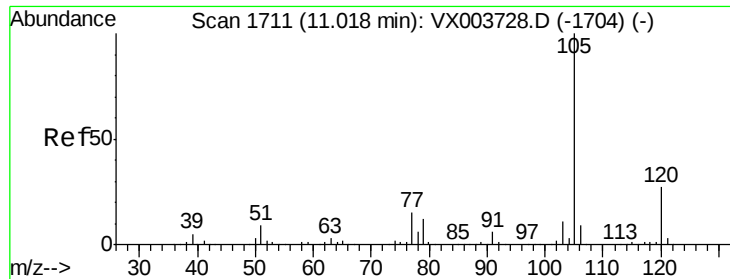


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 13.77 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.01 min

Lab File: VX003772.D

Acq: 01 Aug 2018 02:13

Instrument :

MSVOA_X

ClientSampleId :

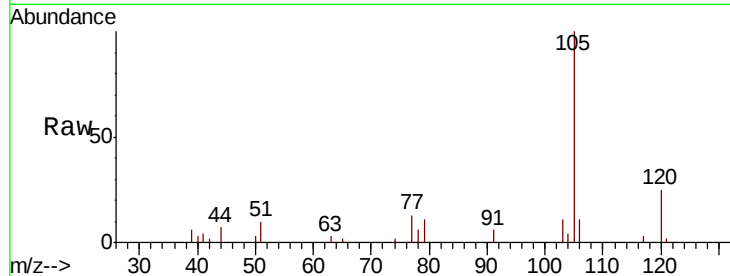
DUP-072318

Tot Ion:105 Resp: 4023

Ion Ratio Lower Upper

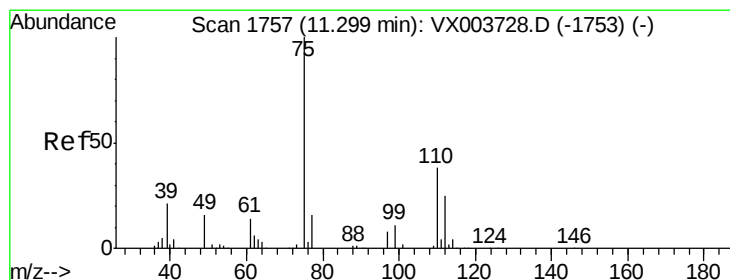
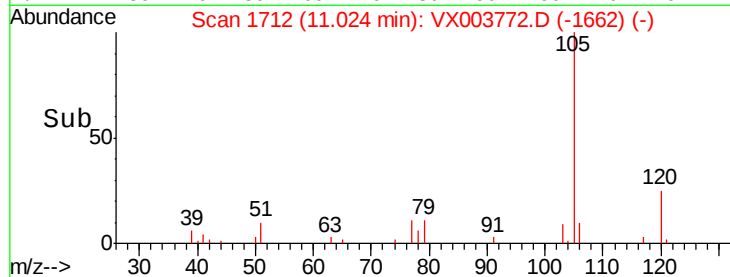
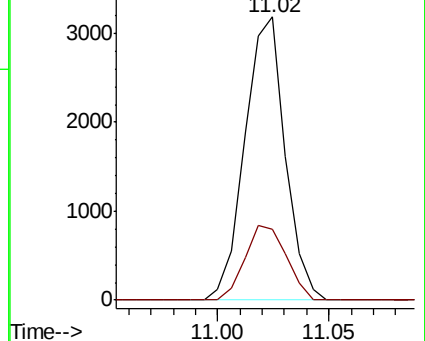
105 100

120 26.9 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 41.26 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003772.D

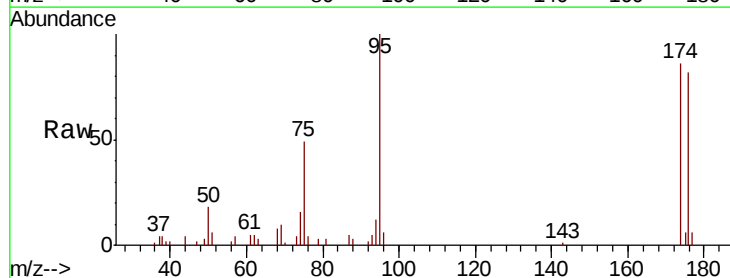
Acq: 01 Aug 2018 02:13

Tgt Ion: 75 Resp: 2654

Ion Ratio Lower Upper

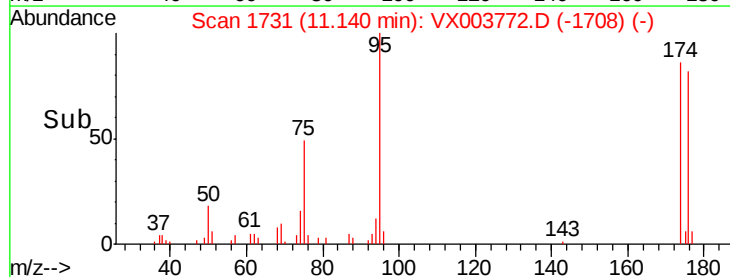
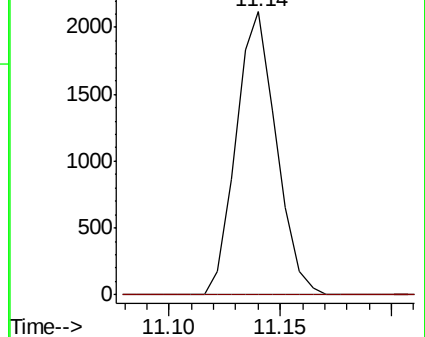
75 100

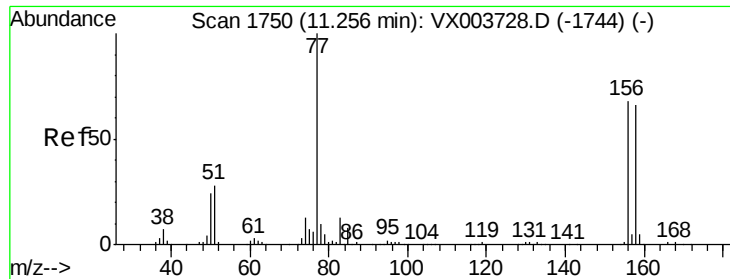
77 0.0 21.6 65.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 0.26 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.01 min

Lab File: VX003772.D

Acq: 01 Aug 2018 02:13

Instrument :

MSVOA_X

ClientSampleId :

DUP-072318

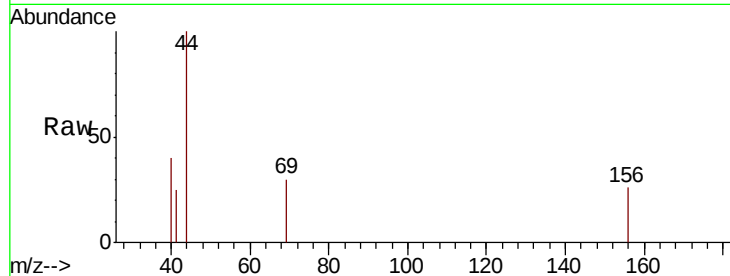
Tot Ion:156 Resp: 20

Ion Ratio Lower Upper

156 100

77 230.0 71.8 215.3#

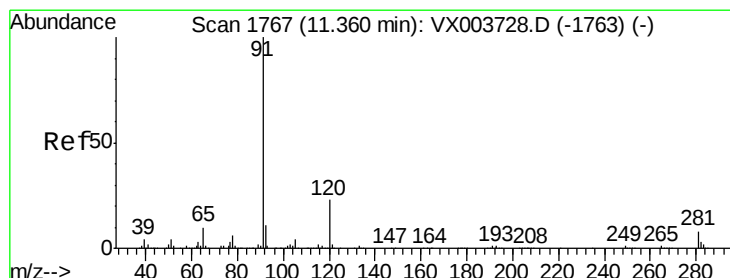
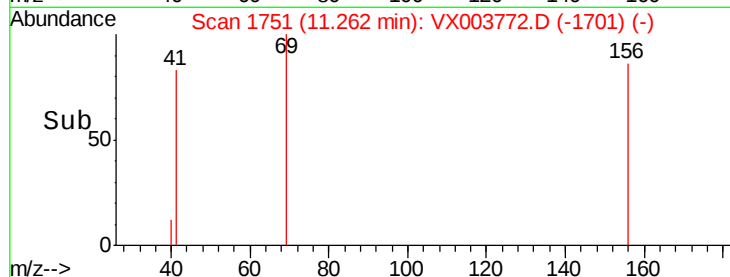
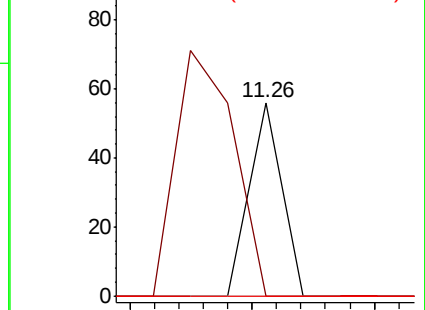
158 0.0 48.8 146.4#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.98 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003772.D

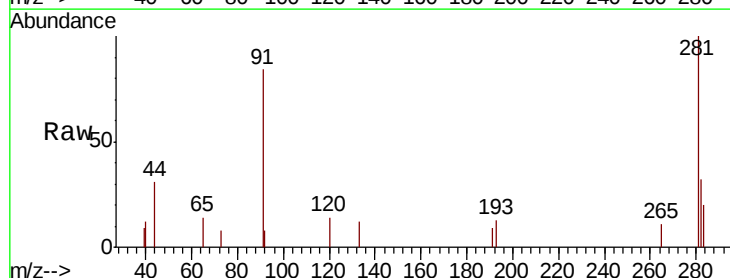
Acq: 01 Aug 2018 02:13

Tgt Ion: 91 Resp: 700

Ion Ratio Lower Upper

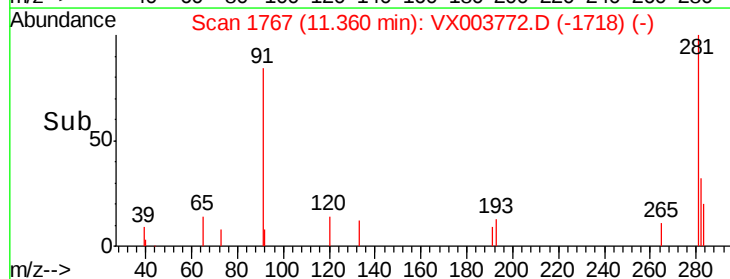
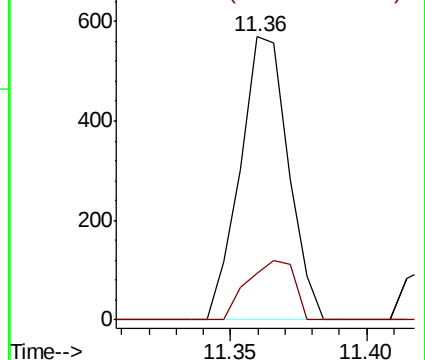
91 100

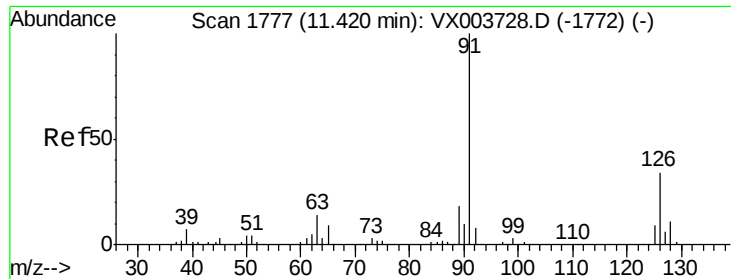
120 20.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.01 ug/l

RT: 11.44 min Scan# 1780

Delta R.T. 0.02 min

Lab File: VX003772.D

Acq: 01 Aug 2018 02:13

Instrument :

MSVOA_X

ClientSampled :

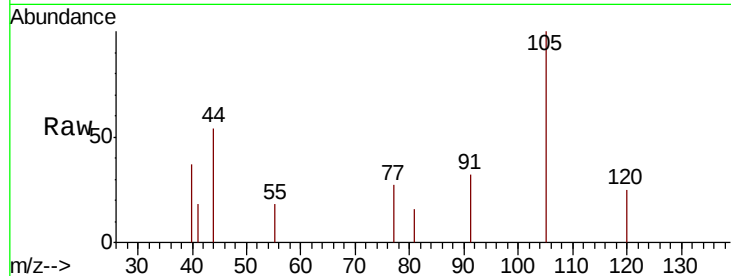
DUP-072318

Tot Ion: 91 Resp: 203

Ion Ratio Lower Upper

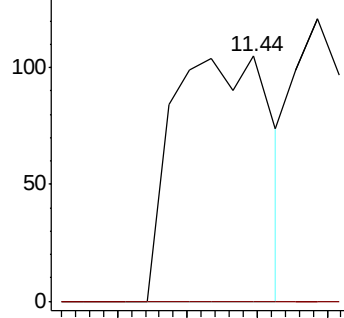
91 100

126 0.0 17.6 52.8#

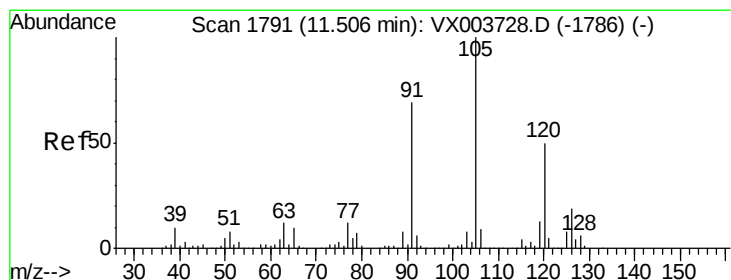
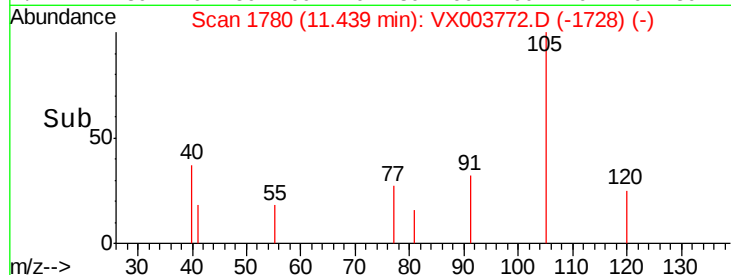


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 1.78 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003772.D

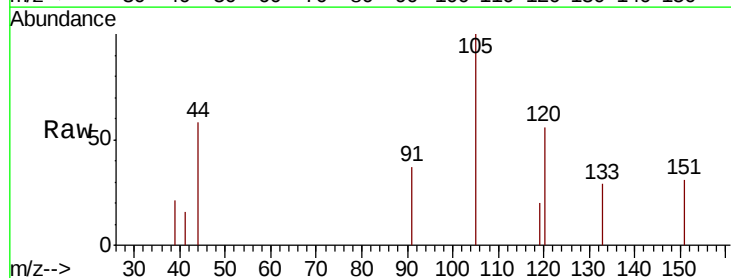
Acq: 01 Aug 2018 02:13

Tgt Ion:105 Resp: 443

Ion Ratio Lower Upper

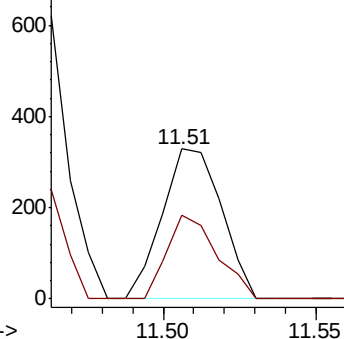
105 100

120 46.5 15.8 47.4

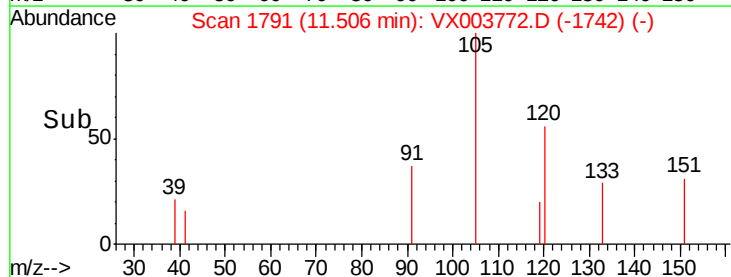


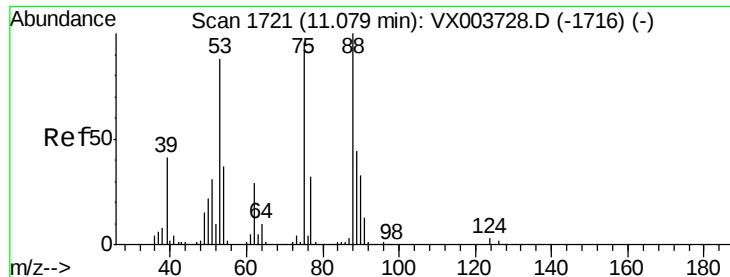
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 122.21 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003772.D

Acq: 01 Aug 2018 02:13

Instrument :

MSVOA_X

ClientSampled :

DUP-072318

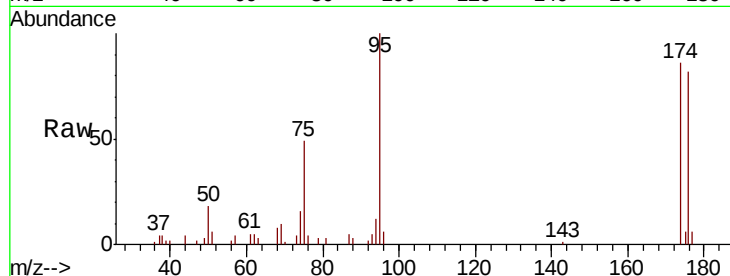
Tot Ion: 75 Resp: 2654

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.8#

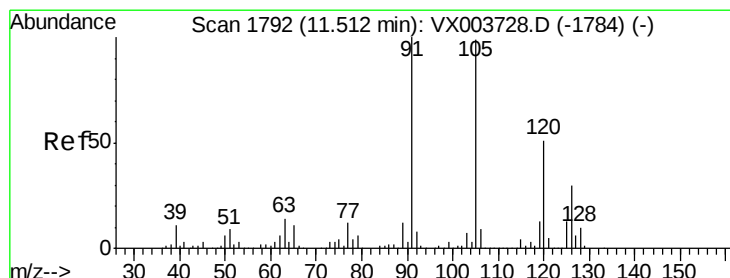
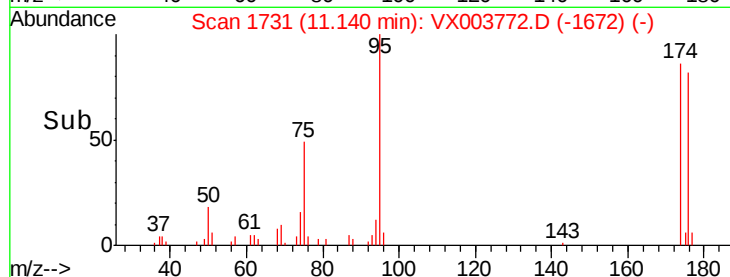
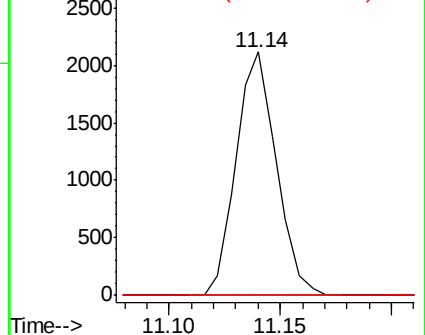
89 0.0 39.1 58.7#



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: 0.91 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003772.D

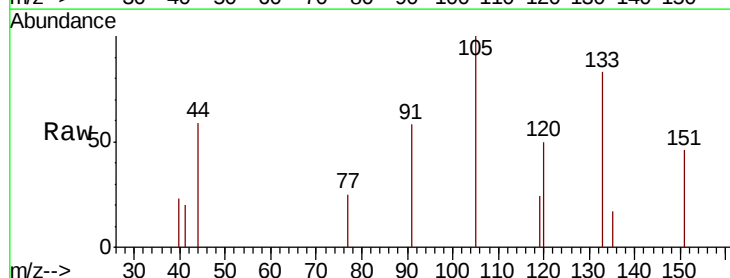
Acq: 01 Aug 2018 02:13

Tgt Ion: 91 Resp: 221

Ion Ratio Lower Upper

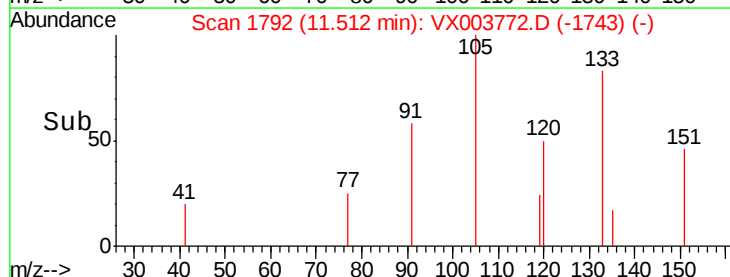
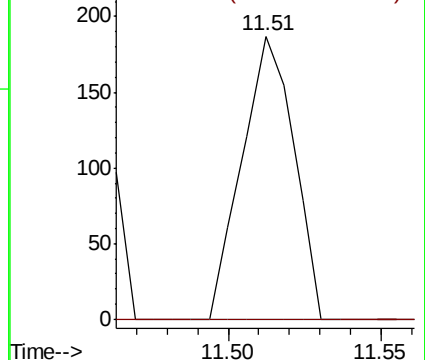
91 100

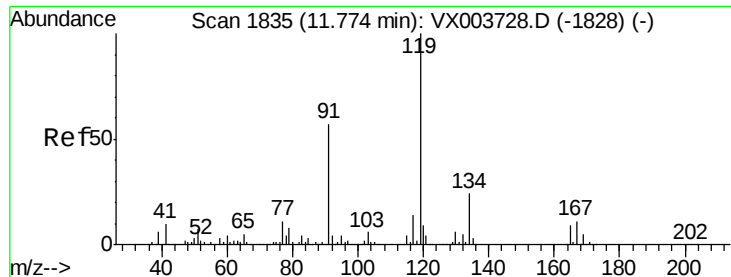
126 0.0 15.6 46.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

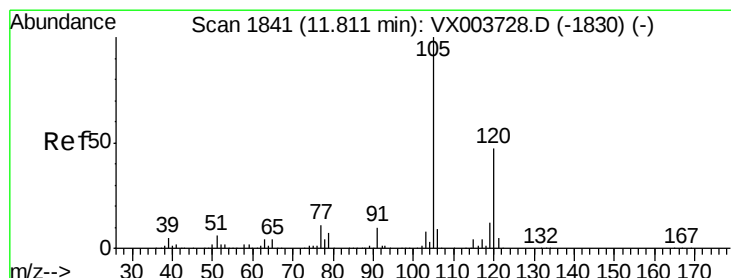
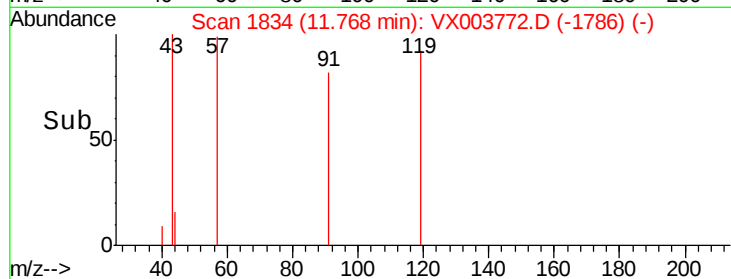
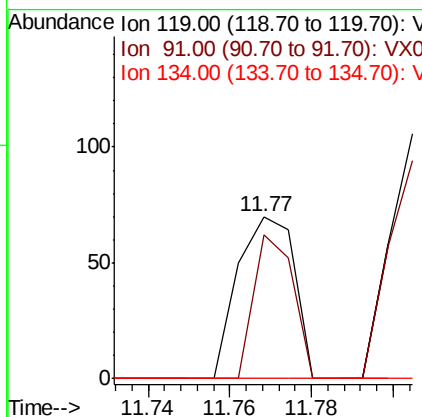
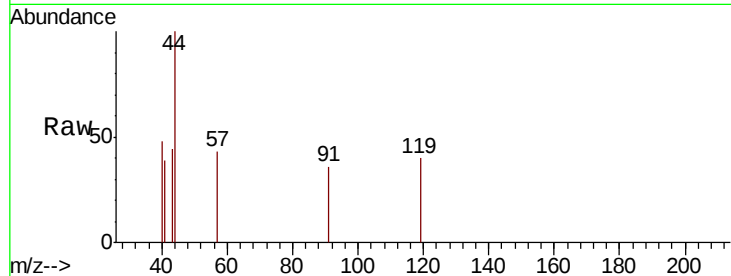




#83
 tert-Butylbenzene
 Concen: 0.27 ug/l
 RT: 11.77 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: VX003772.D
 Acq: 01 Aug 2018 02:13

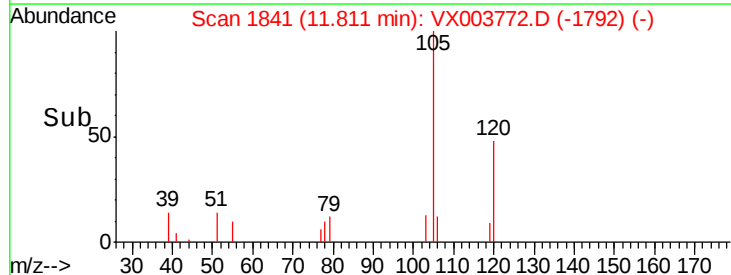
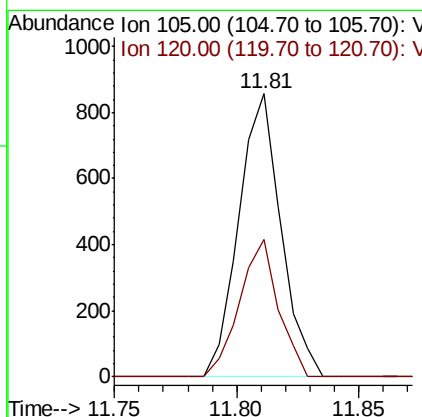
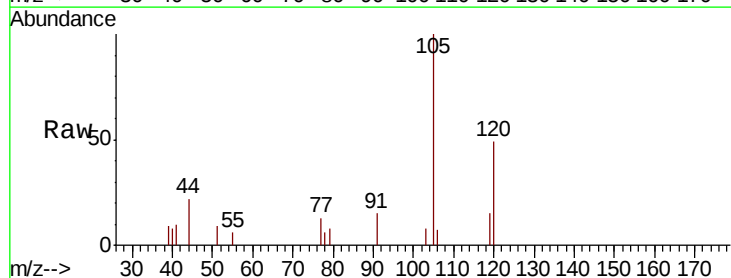
Instrument :
 MSVOA_X
 ClientSampled :
 DUP-072318

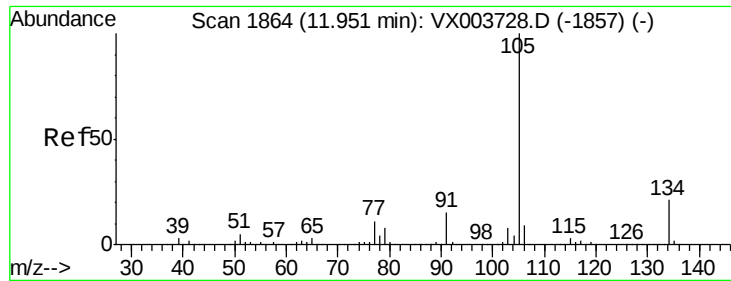
Tot Ion:119 Resp: 67
 Ion Ratio Lower Upper
 119 100
 91 62.7 27.2 81.6
 134 0.0 11.6 34.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 4.01 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003772.D
 Acq: 01 Aug 2018 02:13

Tgt Ion:105 Resp: 1030
 Ion Ratio Lower Upper
 105 100
 120 44.6 23.1 69.2





#85

sec-Butylbenzene

Concen: 0.72 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003772.D

Acq: 01 Aug 2018 02:13

Instrument :

MSVOA_X

ClientSampled :

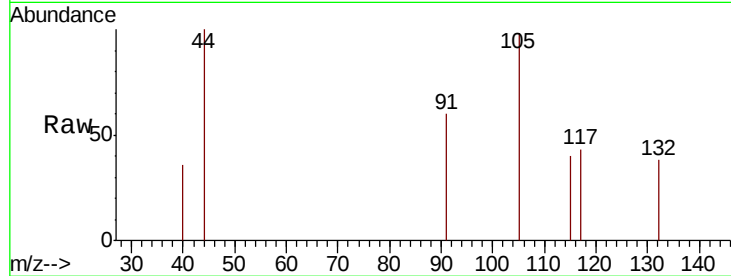
DUP-072318

Tot Ion:105 Resp: 226

Ion Ratio Lower Upper

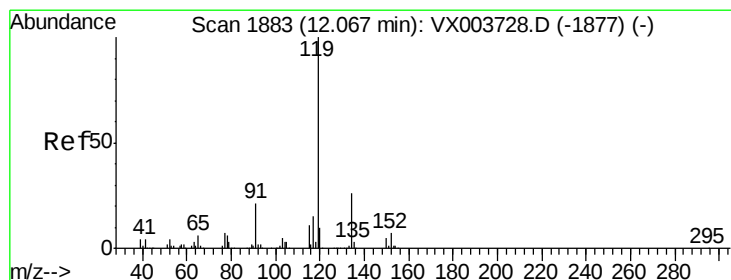
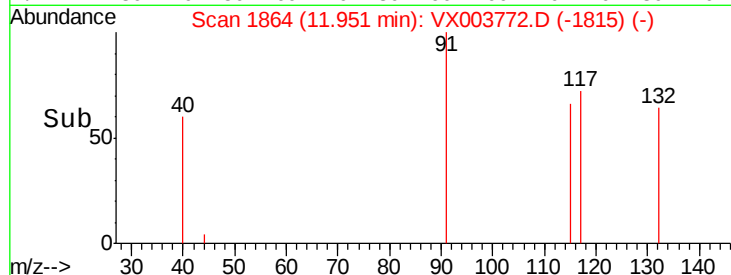
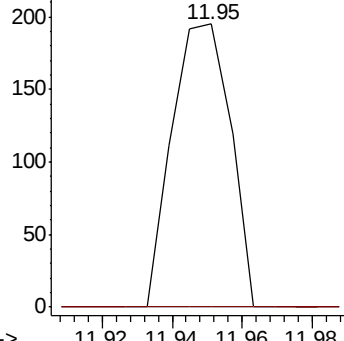
105 100

134 0.0 10.3 30.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.37 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003772.D

Acq: 01 Aug 2018 02:13

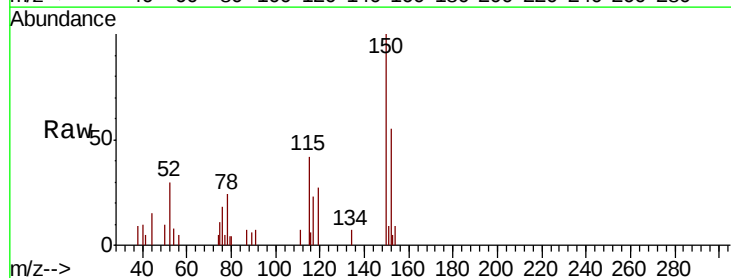
Tgt Ion:119 Resp: 394

Ion Ratio Lower Upper

119 100

134 15.5 10.1 30.1

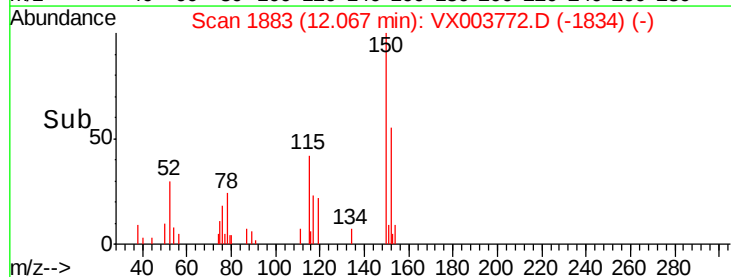
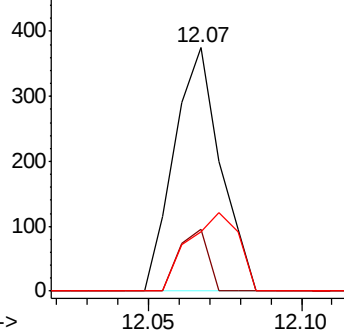
91 0.0 23.6 70.8#

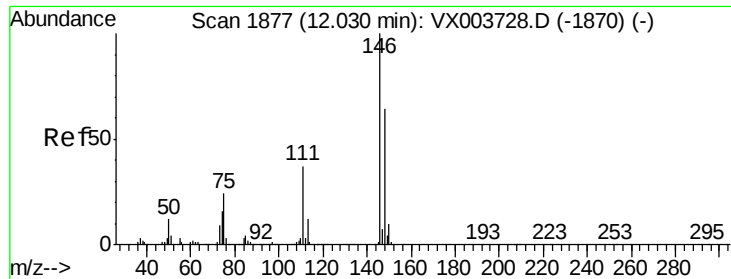


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 0.79 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003772.D

Acq: 01 Aug 2018 02:13

Instrument :

MSVOA_X

ClientSampleId :

DUP-072318

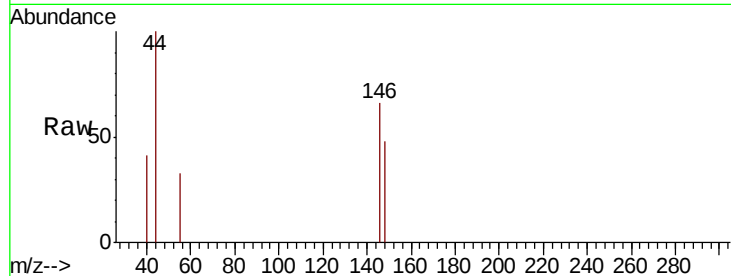
Tot Ion:146 Resp: 121

Ion Ratio Lower Upper

146 100

111 0.0 18.8 56.3#

148 52.1 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

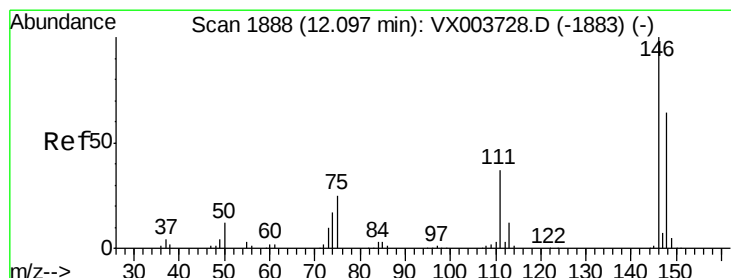
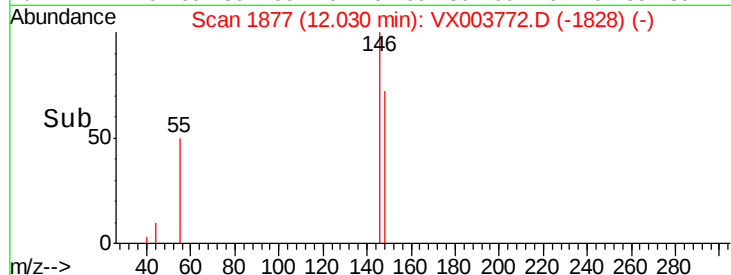
12.03

100

50

0

Time--> 12.00 12.02 12.04 12.06



#88

1,4-Dichlorobenzene

Concen: 1.17 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VX003772.D

Acq: 01 Aug 2018 02:13

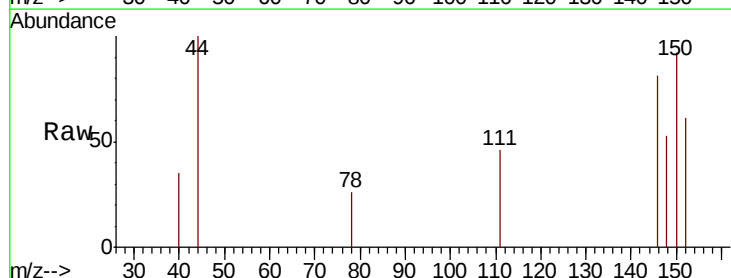
Tgt Ion:146 Resp: 184

Ion Ratio Lower Upper

146 100

111 0.0 18.3 54.9#

148 64.1 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

12.10

200

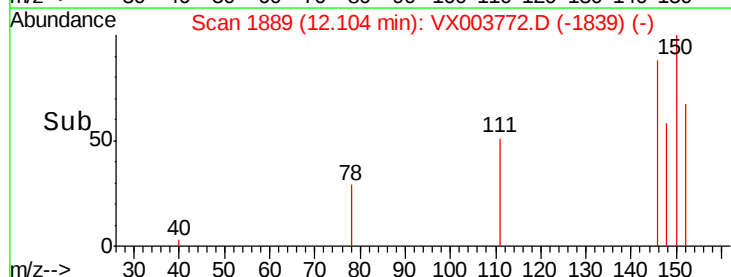
150

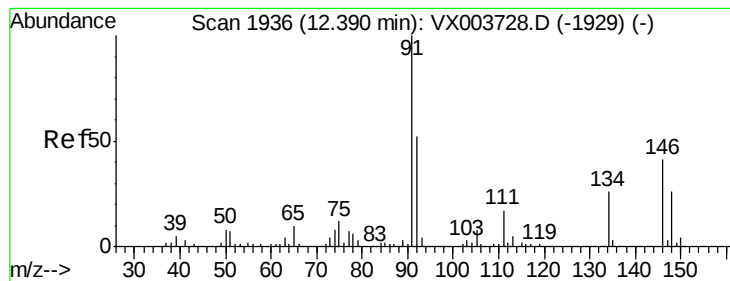
100

50

0

Time--> 12.05 12.10





#89

n-Butylbenzene

Concen: 1.79 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003772.D

Acq: 01 Aug 2018 02:13

Instrument :

MSVOA_X

ClientSampled :

DUP-072318

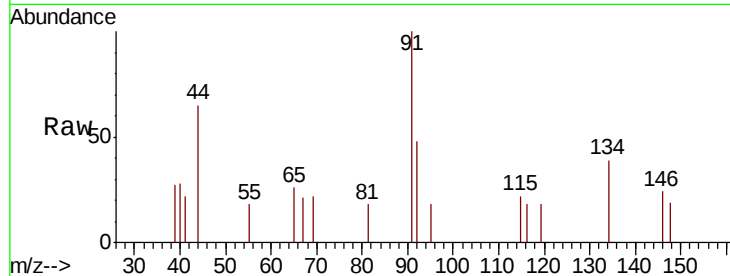
Tot Ion: 91 Resp: 489

Ion Ratio Lower Upper

91 100

92 32.3 26.2 78.5

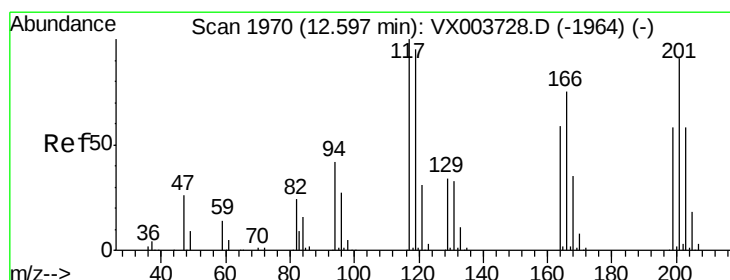
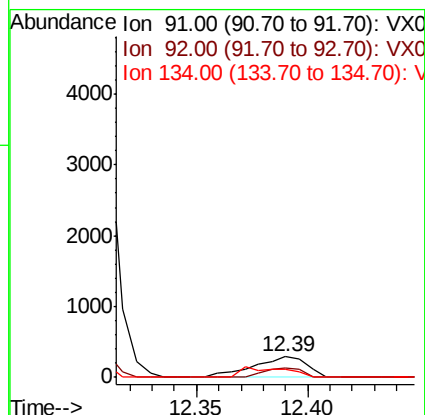
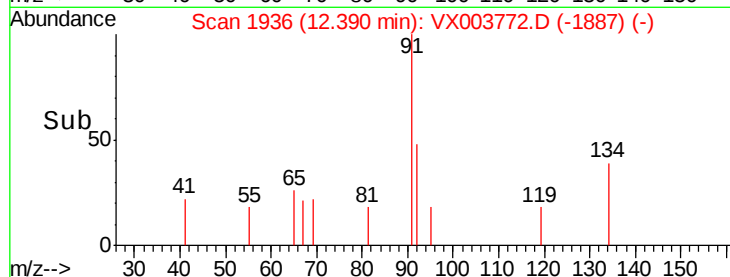
134 42.9 13.6 40.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 65.58 ug/l

RT: 12.76 min Scan# 1996

Delta R.T. 0.16 min

Lab File: VX003772.D

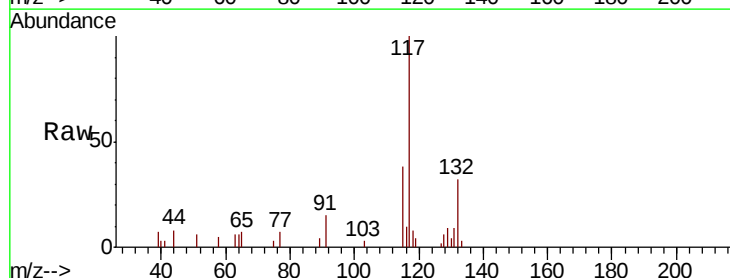
Acq: 01 Aug 2018 02:13

Tgt Ion: 117 Resp: 2793

Ion Ratio Lower Upper

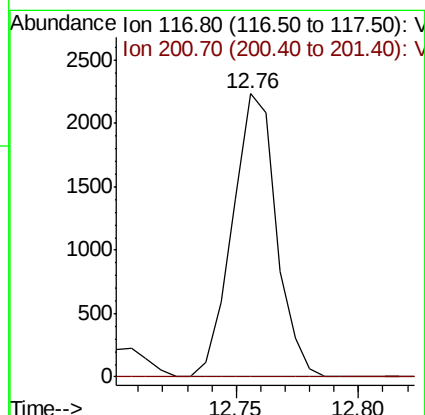
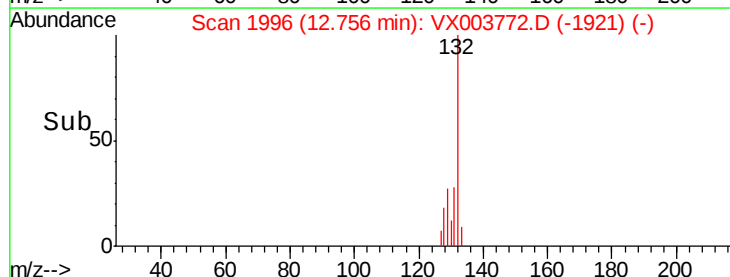
117 100

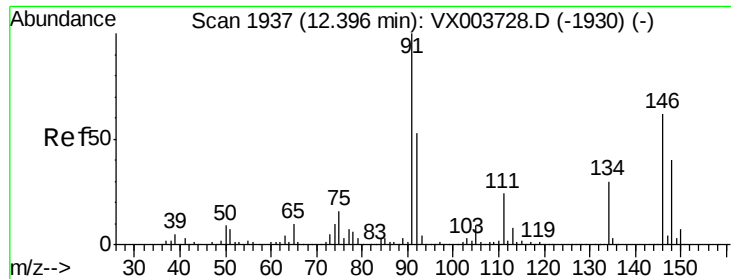
201 0.0 49.3 147.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 0.93 ug/l

RT: 12.40 min Scan# 1938

Delta R.T. 0.01 min

Lab File: VX003772.D

Acq: 01 Aug 2018 02:13

Instrument :

MSVOA_X

ClientSampleId :

DUP-072318

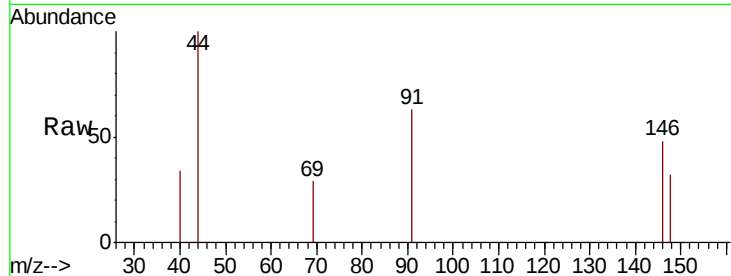
Tot Ion:146 Resp: 134

Ion Ratio Lower Upper

146 100

111 0.0 19.4 58.4#

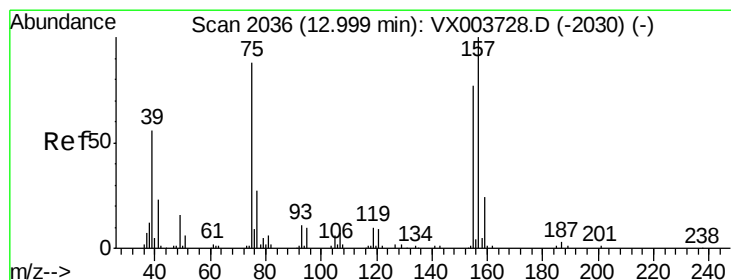
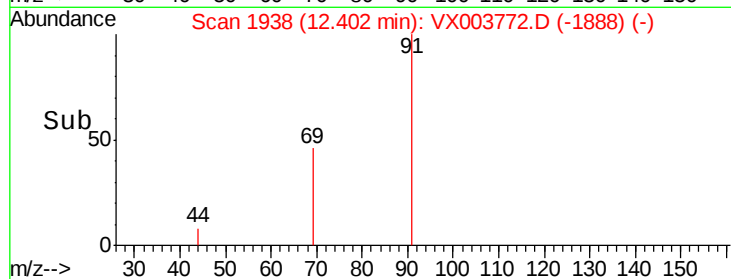
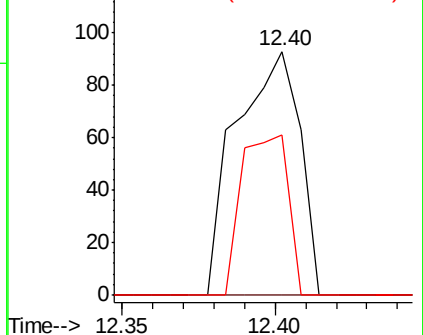
148 47.8 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.39 ug/l

RT: 12.76 min Scan# 1996

Delta R.T. -0.24 min

Lab File: VX003772.D

Acq: 01 Aug 2018 02:13

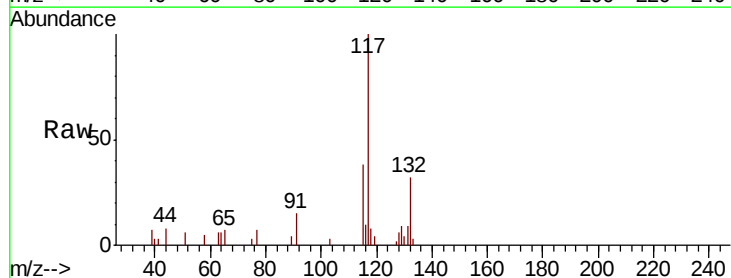
Tgt Ion: 75 Resp: 21

Ion Ratio Lower Upper

75 100

155 0.0 48.9 146.7#

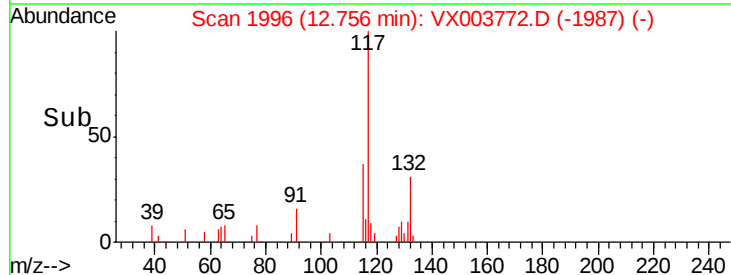
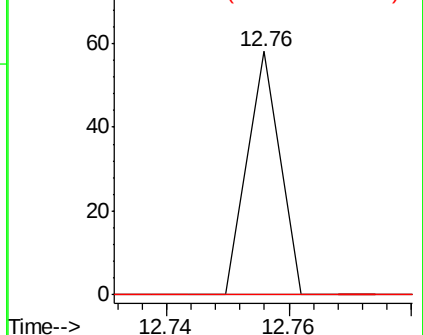
157 0.0 63.7 191.1#

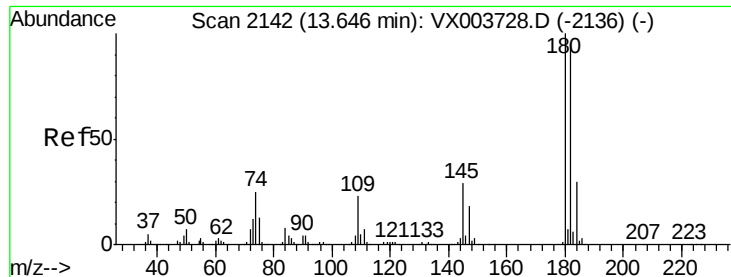


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

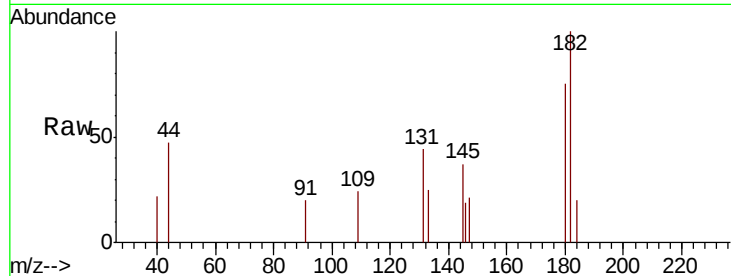




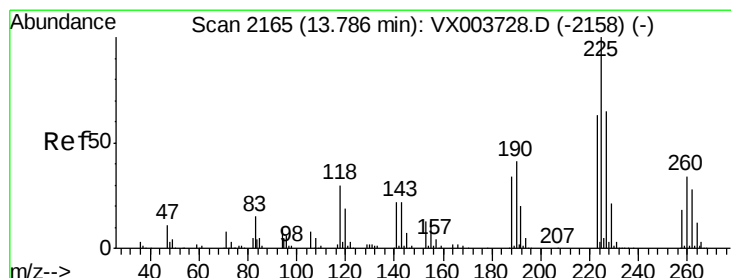
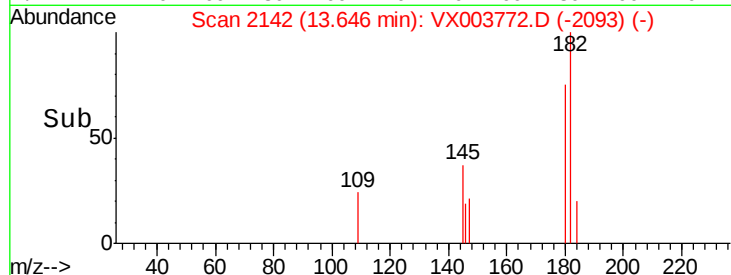
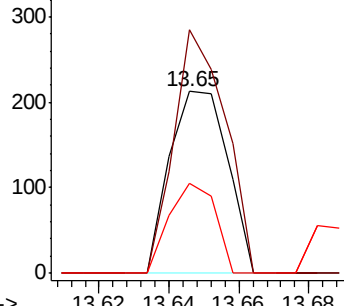
#93
 1,2,4-Trichlorobenzene
 Concen: 2.15 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003772.D
 Acq: 01 Aug 2018 02:13

Instrument :
 MSVOA_X
 ClientSampled :
 DUP-072318

Tot Ion:180 Resp: 245
 Ion Ratio Lower Upper
 180 100
 182 118.8 47.6 142.9
 145 39.2 14.1 42.2

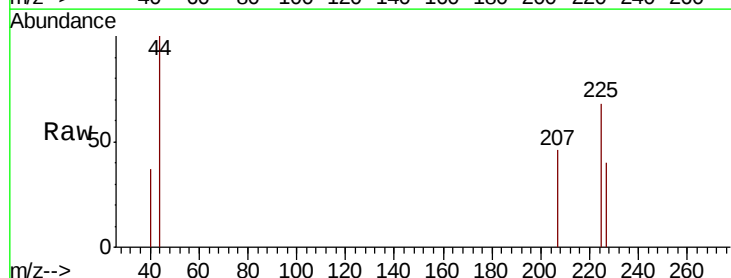


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

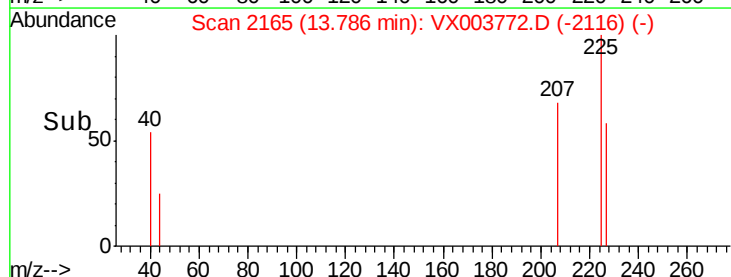
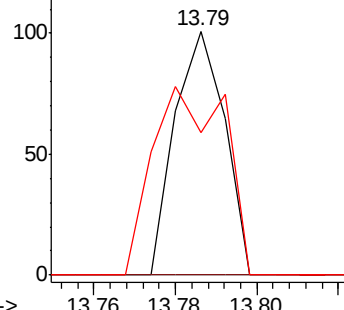


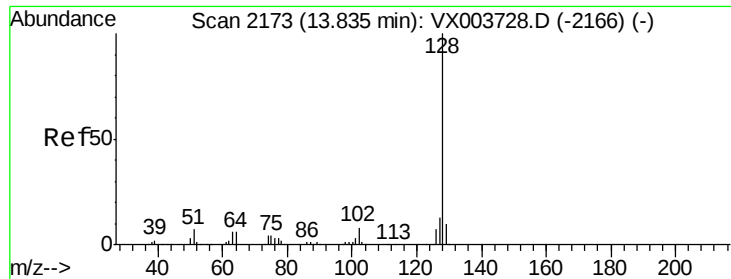
#94
 Hexachlorobutadiene
 Concen: 1.18 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003772.D
 Acq: 01 Aug 2018 02:13

Tgt Ion:225 Resp: 86
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.1 93.5#
 227 111.6 31.9 95.9#



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

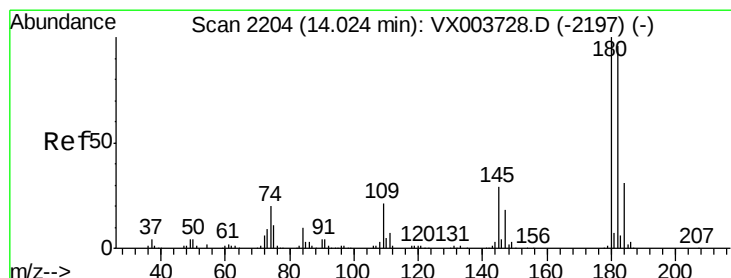
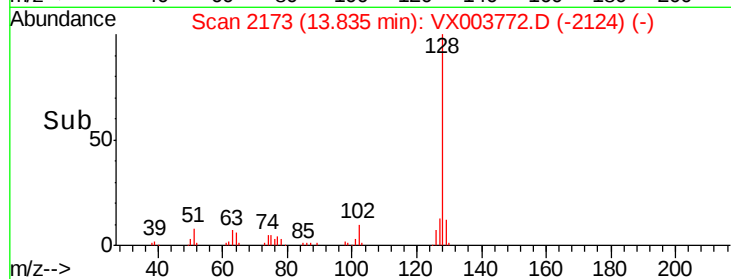
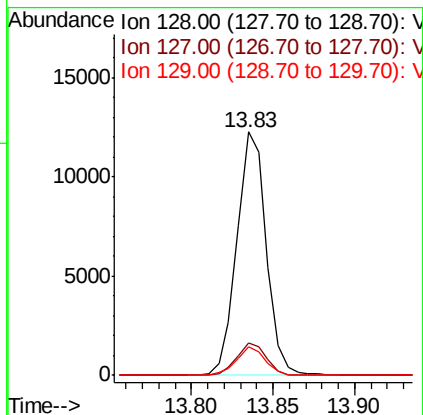
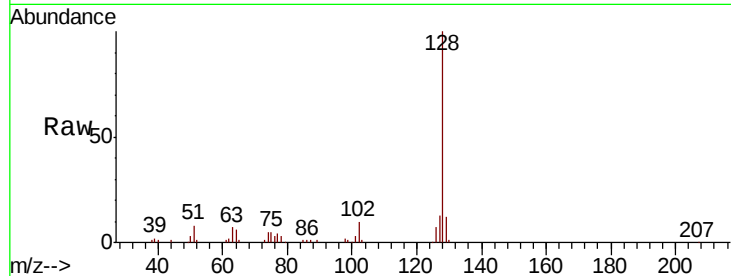




#95
Naphthalene
Concen: 63.26 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003772.D
Acq: 01 Aug 2018 02:13

Instrument :
MSVOA_X
ClientSampleId :
DUP-072318

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	11.4	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.33 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003772.D
Acq: 01 Aug 2018 02:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	68.9	47.9	143.8
145	43.2	14.7	44.1

