

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121318\
 Data File : VX006493.D
 Acq On : 13 Dec 2018 14:24
 Operator : JC/MD
 Sample : J6350-01DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SV-27781LDL

Quant Time: Dec 14 00:15:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	643558	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1025752	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	938887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	444748	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	347442	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
35) Dibromofluoromethane	5.51	113	312203	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	
50) Toluene-d8	8.71	98	1202123	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
62) 4-Bromofluorobenzene	11.13	95	448782	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	

Target Compounds

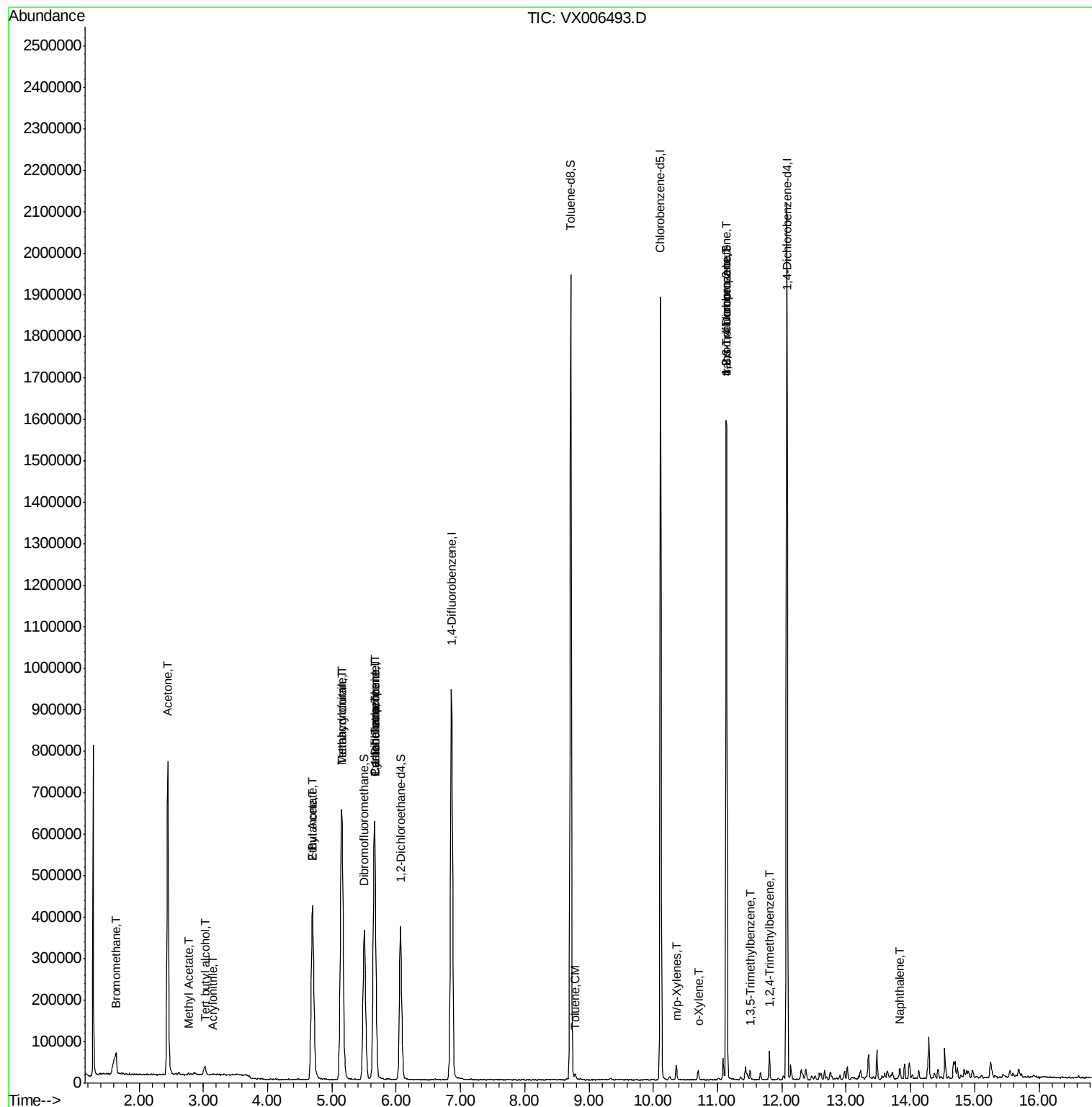
						Qvalue
5) Bromomethane	1.64	94	2068	0.428	ug/l	83
11) Tert butyl alcohol	3.03	59	13150	7.319	ug/l #	77
15) Acrylonitrile	3.14	53	886	0.236	ug/l #	42
16) Acetone	2.45	43	787732	255.499	ug/l	96
18) Methyl Acetate	2.78	43	2093	0.203	ug/l #	53
25) 2-Butanone	4.70	43	755767	171.798	ug/l	99
29) Tetrahydrofuran	5.15	42	608320	198.966	ug/l	98
31) Cyclohexane	5.66	56	11310	1.192	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	42929	4.970	ug/l #	49
37) Ethyl Acetate	4.70	43	755767	78.129	ug/l #	67
38) Carbon Tetrachloride	5.66	117	62366	6.137	ug/l #	16
41) Methacrylonitrile	5.15	41	336177	63.158	ug/l #	43
52) Toluene	8.78	92	3642	0.214	ug/l	91
68) m/p-Xylenes	10.35	106	9304	0.701	ug/l	97
69) o-Xylene	10.69	106	5403	0.412	ug/l	91
76) 1,2,3-Trichloropropane	11.13	75	206166	24.016	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.51	105	8466	0.331	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.13	75	206166	56.360	ug/l #	15
84) 1,2,4-Trimethylbenzene	11.80	105	31578	1.197	ug/l	99
95) Naphthalene	13.83	128	17561	0.514	ug/l #	94

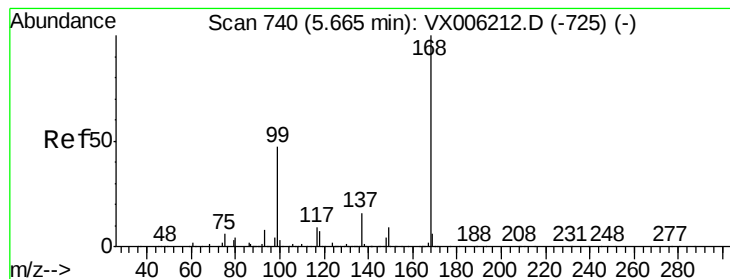
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006493.D

Acq: 13 Dec 2018 14:24

Instrument :

MSVOA_X

ClientSampled :

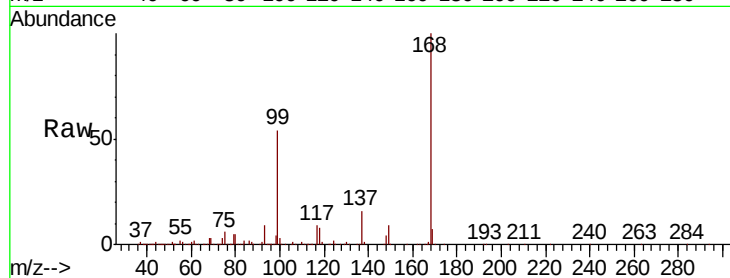
SV-27781LDL

Tot Ion:168 Resp: 643558

Ion Ratio Lower Upper

168 100

99 54.4 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

150000

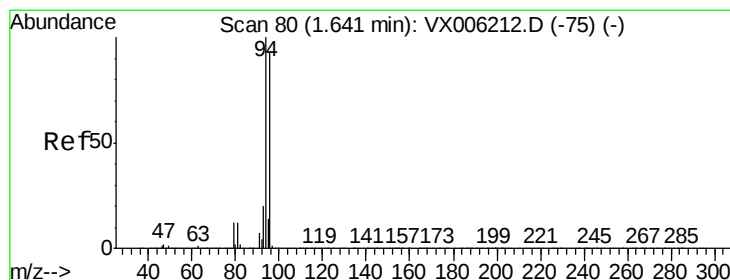
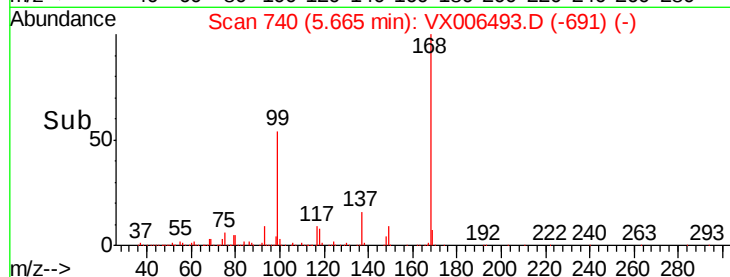
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.428 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006493.D

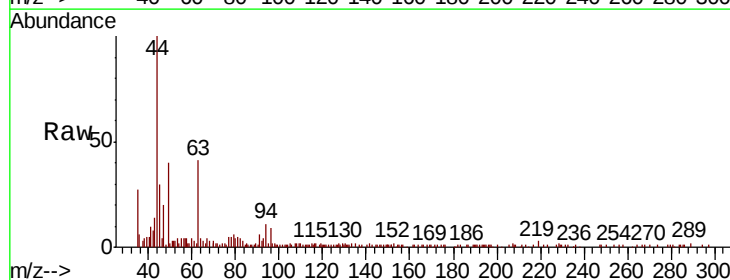
Acq: 13 Dec 2018 14:24

Tgt Ion: 94 Resp: 2068

Ion Ratio Lower Upper

94 100

96 76.3 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1500

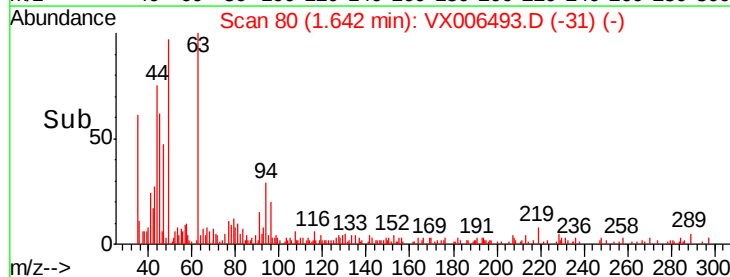
1000

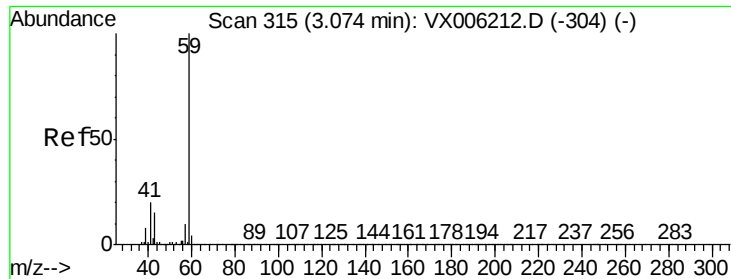
500

0

Time-->

1.60 1.65



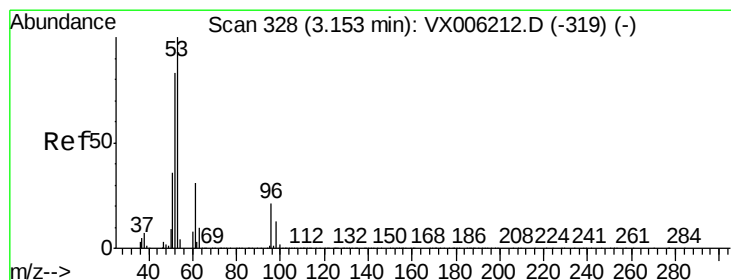
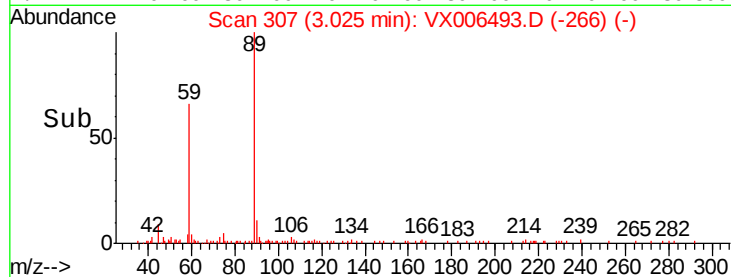
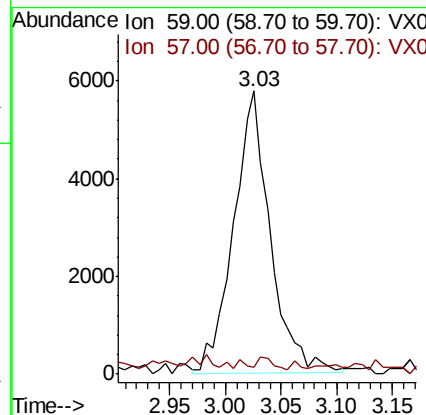
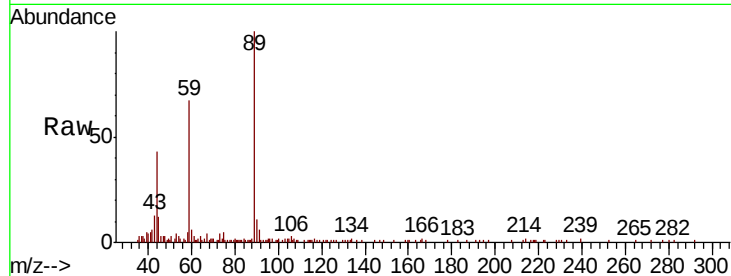


#11

Tert butyl alcohol
Concen: 7.319 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX006493.D
Acq: 13 Dec 2018 14:24

Instrument :
MSVOA_X
ClientSampleId :
SV-27781LDL

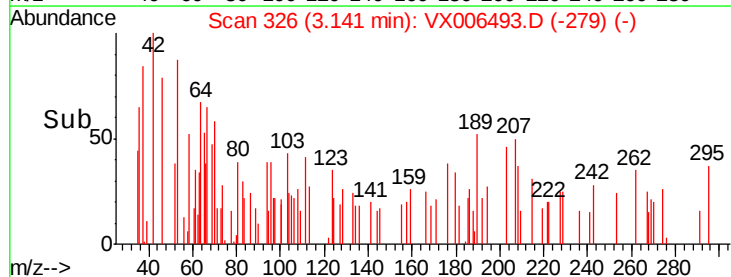
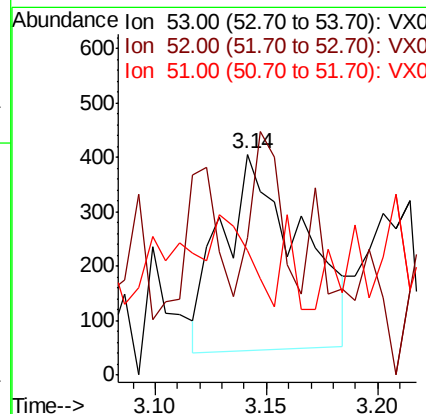
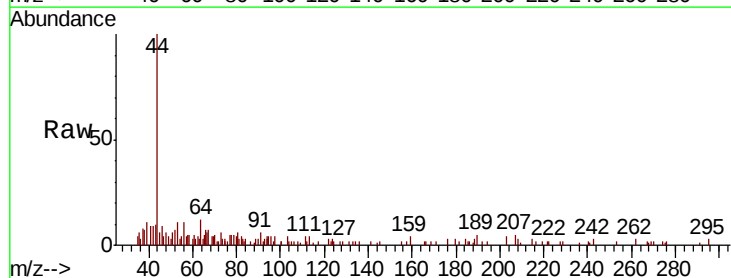
Tot Ion: 59 Resp: 13150
Ion Ratio Lower Upper
59 100
57 1.6 8.2 12.2#

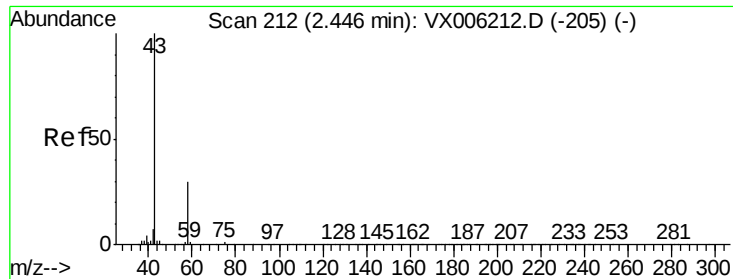


#15

Acrylonitrile
Concen: 0.236 ug/l
RT: 3.14 min Scan# 326
Delta R.T. -0.01 min
Lab File: VX006493.D
Acq: 13 Dec 2018 14:24

Tgt Ion: 53 Resp: 886
Ion Ratio Lower Upper
53 100
52 31.4 66.2 99.4#
51 0.0 28.7 43.1#





#16

Acetone

Concen: 255.499 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006493.D

Acq: 13 Dec 2018 14:24

Instrument :

MSVOA_X

ClientSampled :

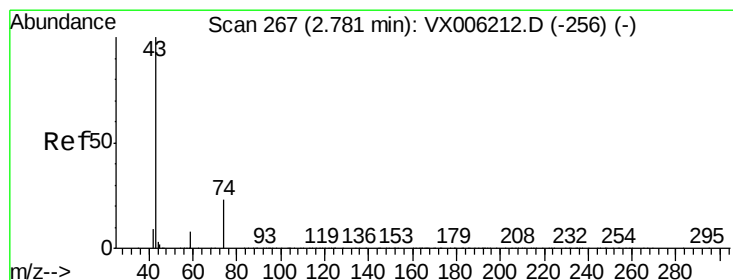
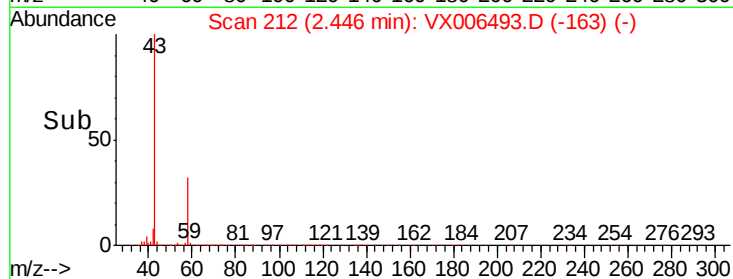
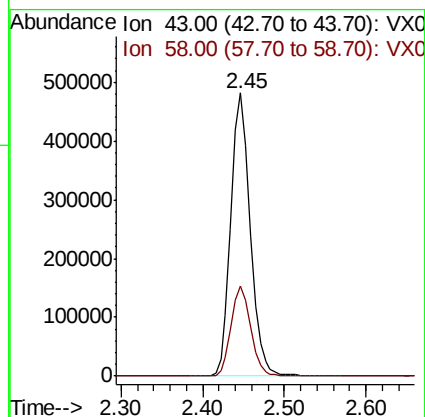
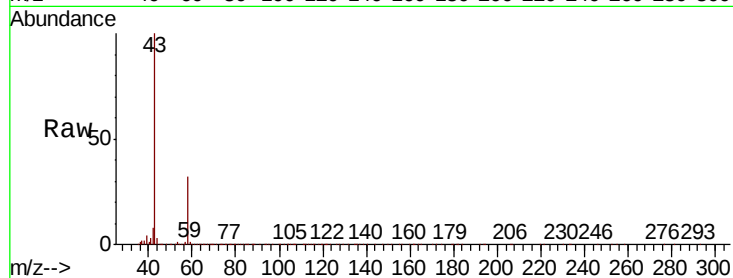
SV-27781LDL

Tot Ion: 43 Resp: 787732

Ion Ratio Lower Upper

43 100

58 32.0 24.0 36.0



#18

Methyl Acetate

Concen: 0.203 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX006493.D

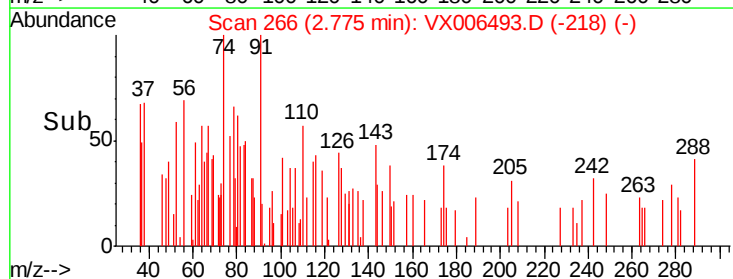
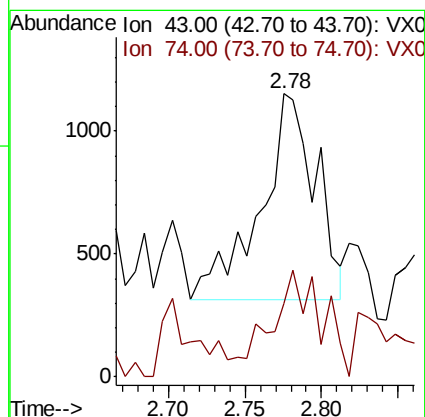
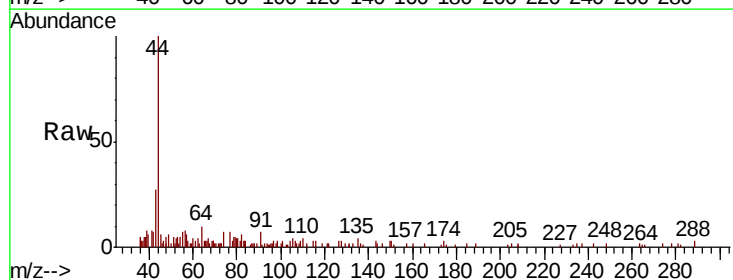
Acq: 13 Dec 2018 14:24

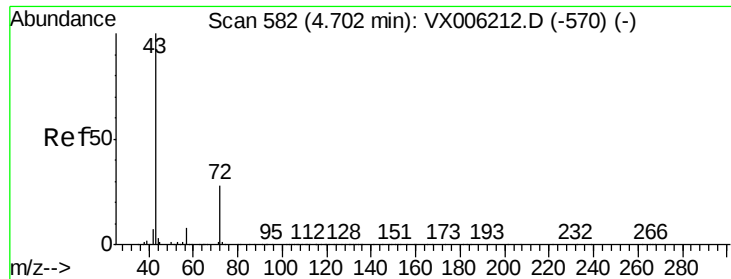
Tgt Ion: 43 Resp: 2093

Ion Ratio Lower Upper

43 100

74 44.9 17.9 26.9#





#25

2-Butanone

Concen: 171.798 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006493.D

Acq: 13 Dec 2018 14:24

Instrument :

MSVOA_X

ClientSampleId :

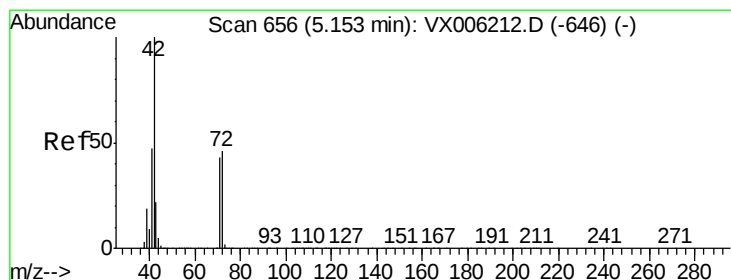
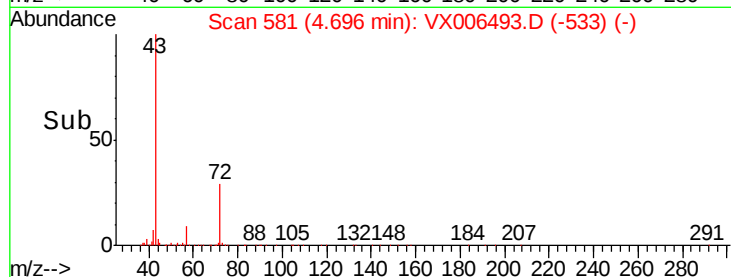
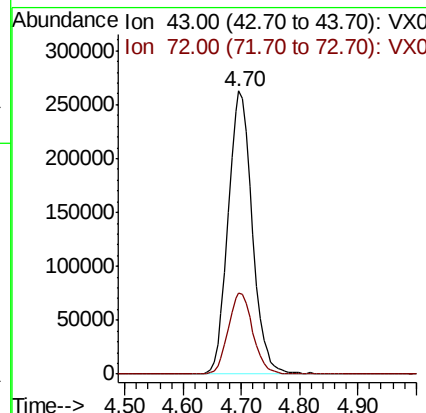
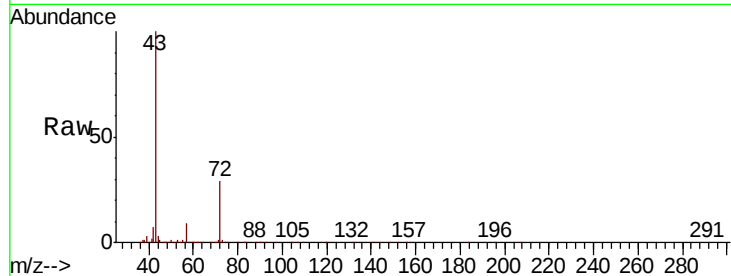
SV-27781LDL

Tot Ion: 43 Resp: 755767

Ion Ratio Lower Upper

43 100

72 28.9 22.6 33.8



#29

Tetrahydrofuran

Concen: 198.966 ug/l

RT: 5.15 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX006493.D

Acq: 13 Dec 2018 14:24

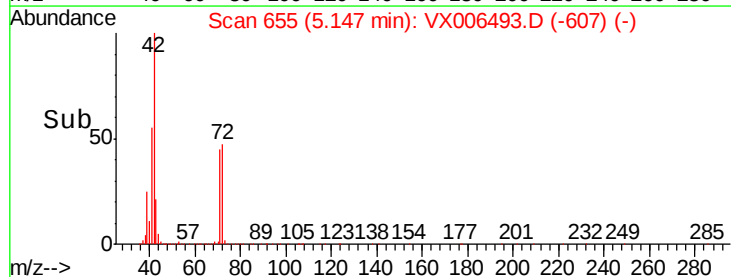
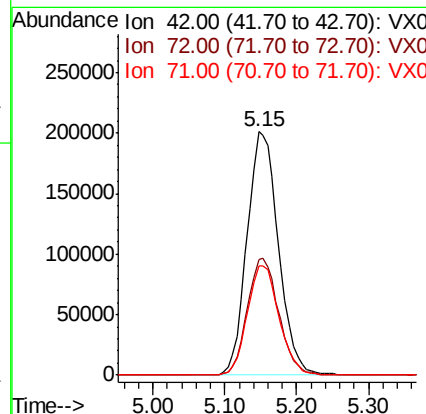
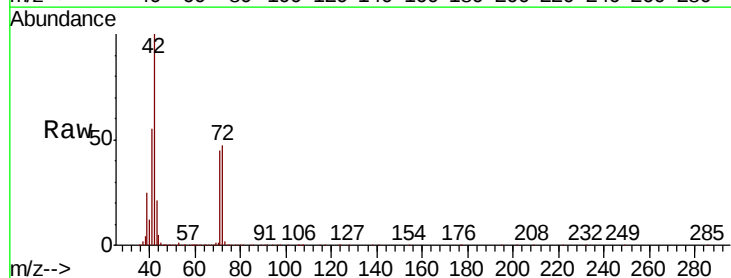
Tgt Ion: 42 Resp: 608320

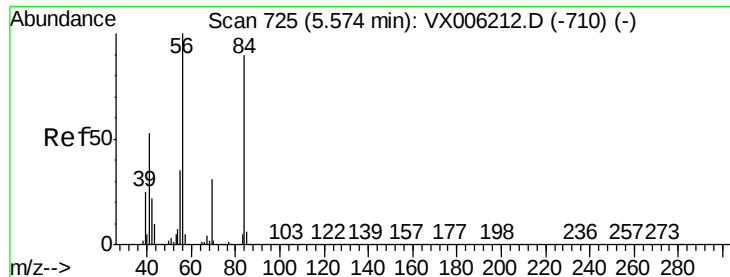
Ion Ratio Lower Upper

42 100

72 48.1 37.8 56.8

71 45.5 35.2 52.8

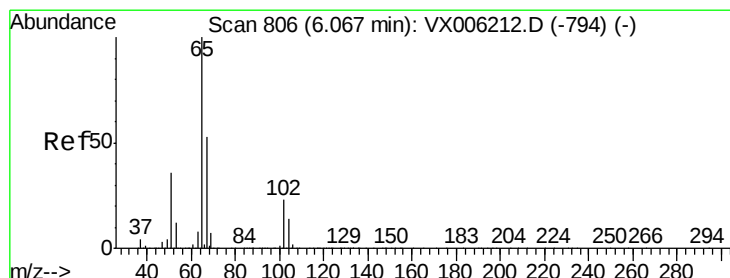
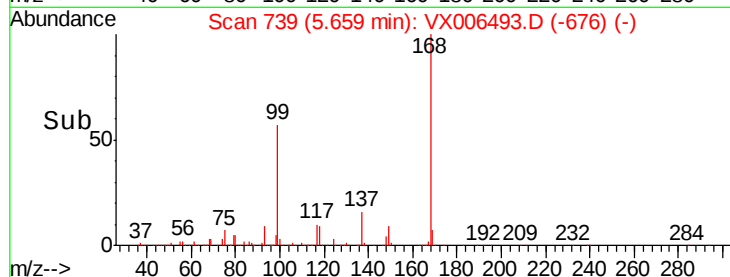
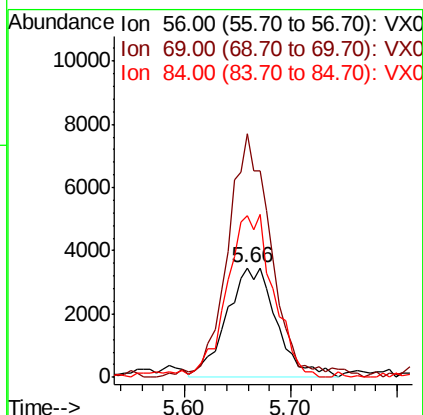
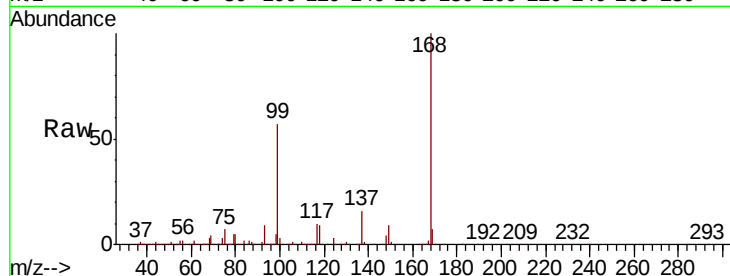




#31
Cyclohexane
Concen: 1.192 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX006493.D
Acq: 13 Dec 2018 14:24

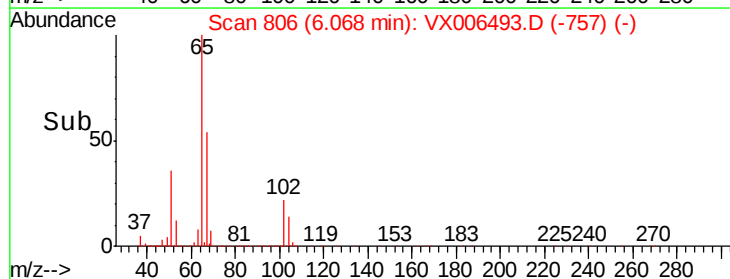
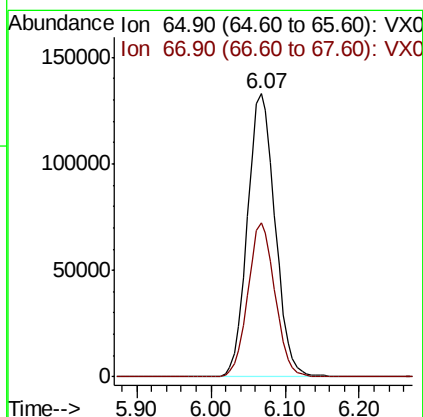
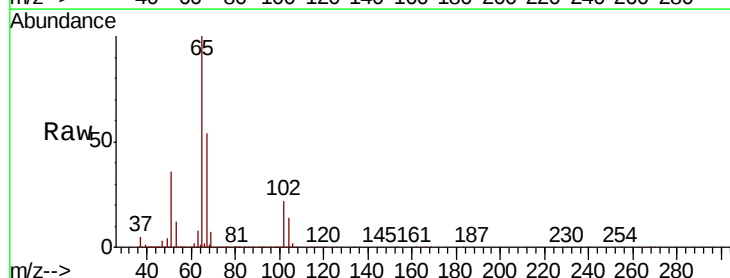
Instrument :
MSVOA_X
ClientSampleId :
SV-27781LDL

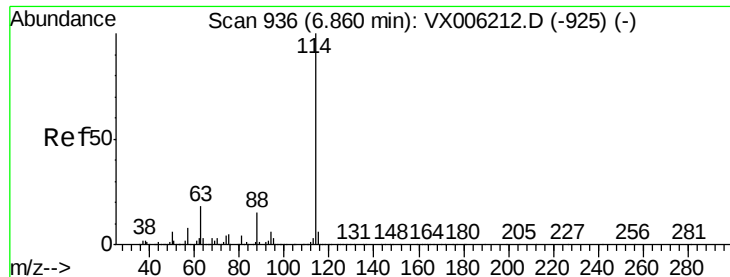
Tot Ion: 56 Resp: 11310
Ion Ratio Lower Upper
56 100
69 221.2 24.5 36.7#
84 147.2 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 52.886 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX006493.D
Acq: 13 Dec 2018 14:24

Tgt Ion: 65 Resp: 347442
Ion Ratio Lower Upper
65 100
67 53.4 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006493.D

Acq: 13 Dec 2018 14:24

Instrument :

MSVOA_X

ClientSampleId :

SV-27781LDL

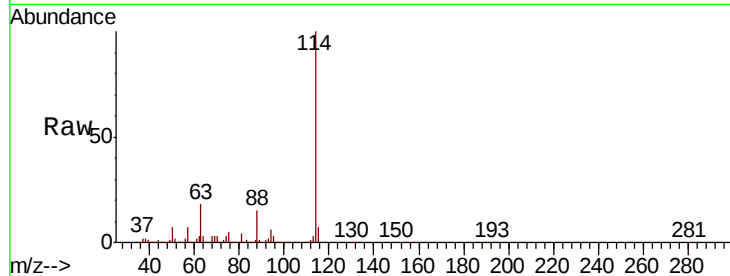
Tot Ion:114 Resp: 1025752

Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.6

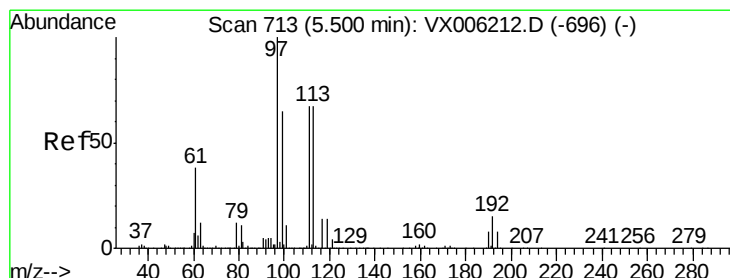
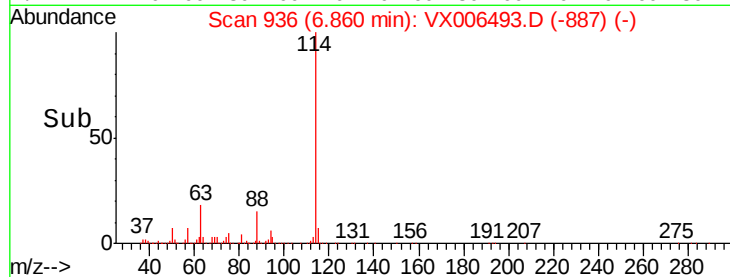
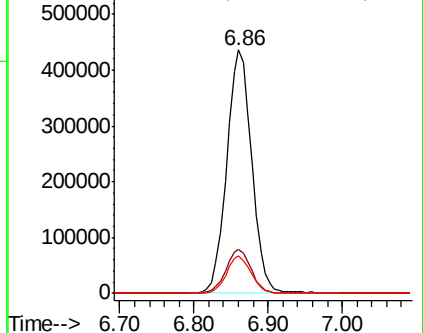
88 15.3 0.0 29.0



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: 47.009 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006493.D

Acq: 13 Dec 2018 14:24

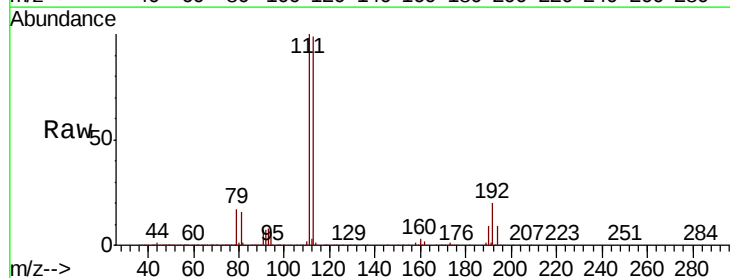
Tgt Ion:113 Resp: 312203

Ion Ratio Lower Upper

113 100

111 101.8 81.1 121.7

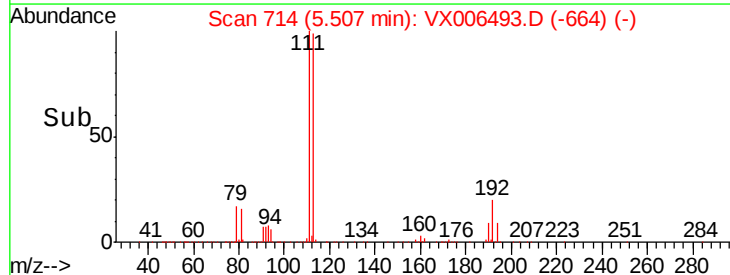
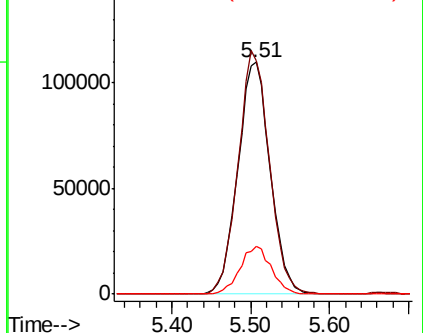
192 19.9 18.2 27.2

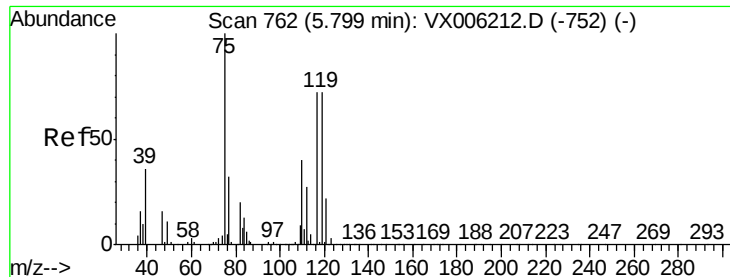


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.970 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006493.D

Acq: 13 Dec 2018 14:24

Instrument :

MSVOA_X

ClientSampled :

SV-27781LDL

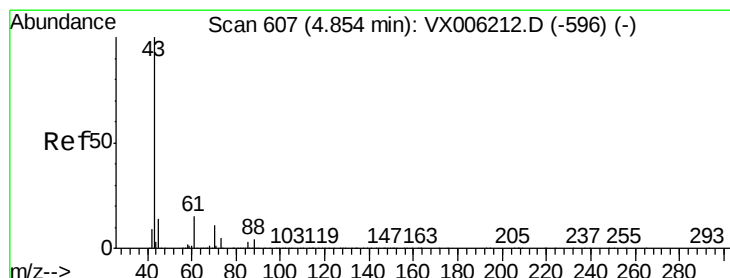
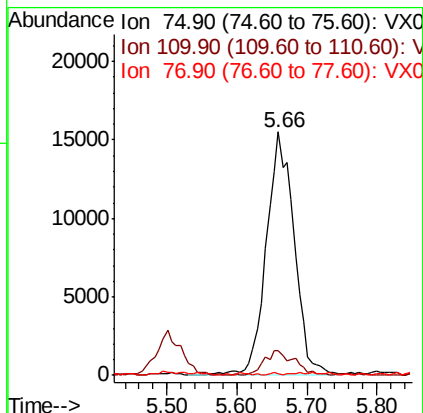
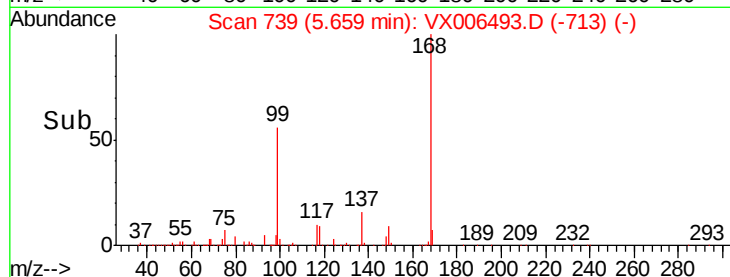
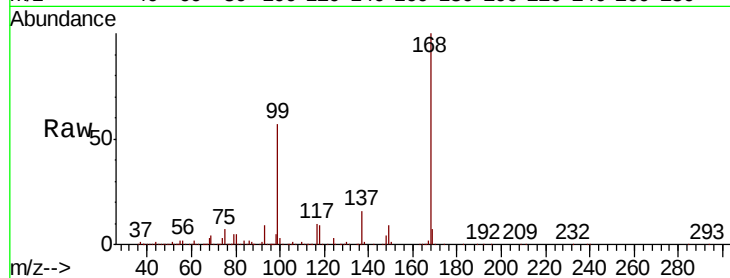
Tot Ion: 75 Resp: 42929

Ion Ratio Lower Upper

75 100

110 11.2 20.4 61.3#

77 0.3 24.9 37.3#



#37

Ethyl Acetate

Concen: 78.129 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.16 min

Lab File: VX006493.D

Acq: 13 Dec 2018 14:24

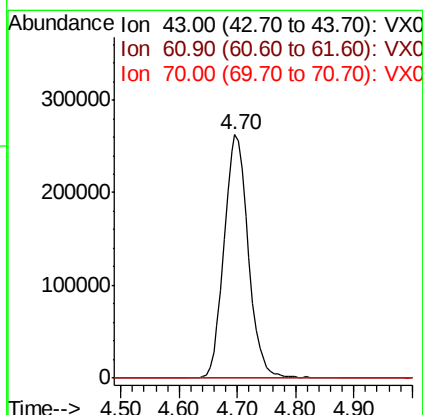
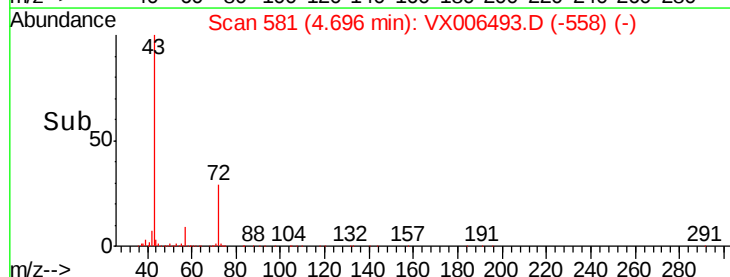
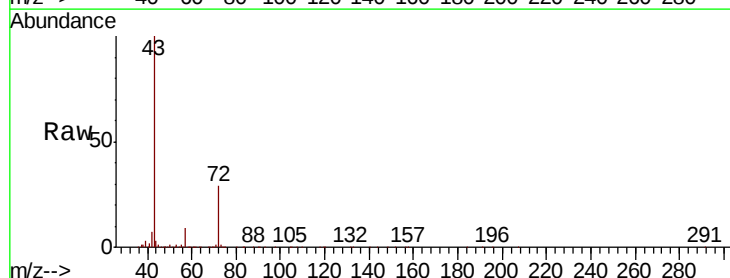
Tgt Ion: 43 Resp: 755767

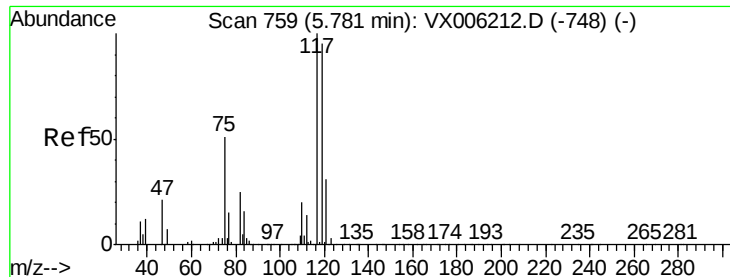
Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.1 9.0 13.6#





#38

Carbon Tetrachloride

Concen: 6.137 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006493.D

Acq: 13 Dec 2018 14:24

Instrument :

MSVOA_X

ClientSampleId :

SV-27781LDL

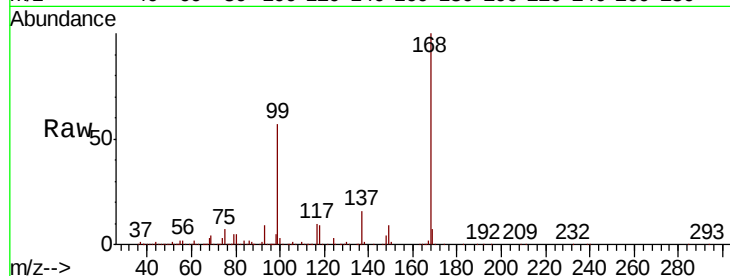
Tot Ion:117 Resp: 62366

Ion Ratio Lower Upper

117 100

119 4.9 75.8 113.8#

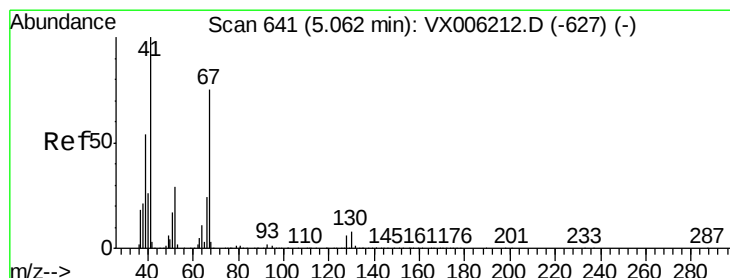
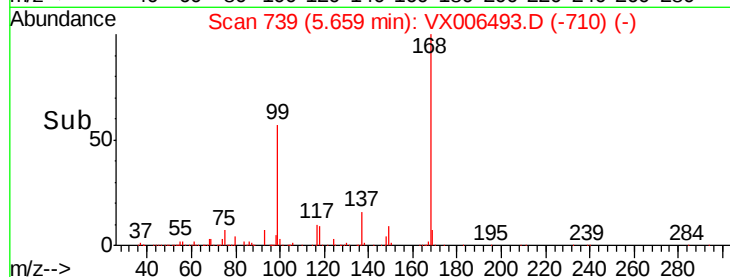
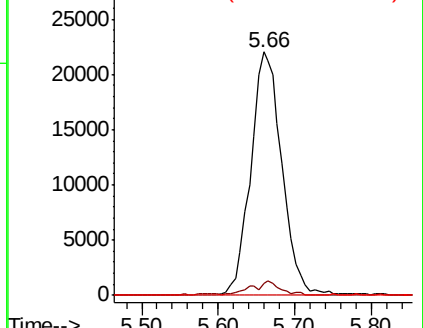
121 0.3 24.6 37.0#



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



#41

Methacrylonitrile

Concen: 63.158 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.09 min

Lab File: VX006493.D

Acq: 13 Dec 2018 14:24

Tgt Ion: 41 Resp: 336177

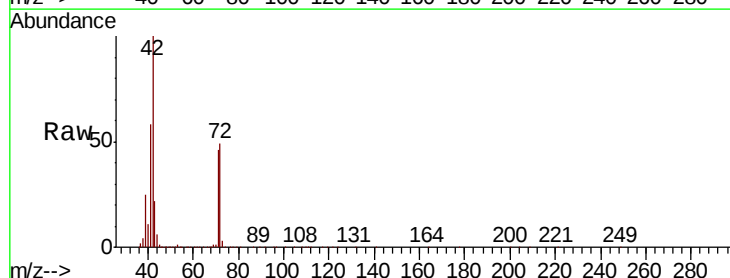
Ion Ratio Lower Upper

41 100

39 44.2 44.0 66.0

67 0.1 61.4 92.0#

52 0.0 23.5 35.3#

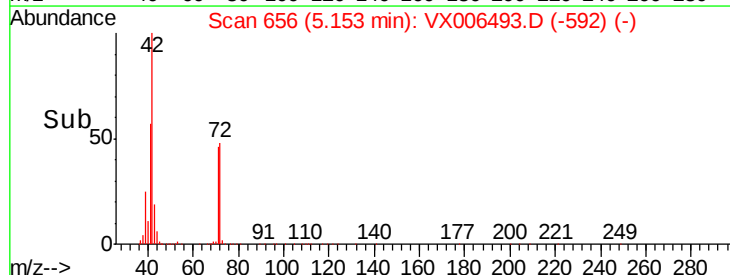
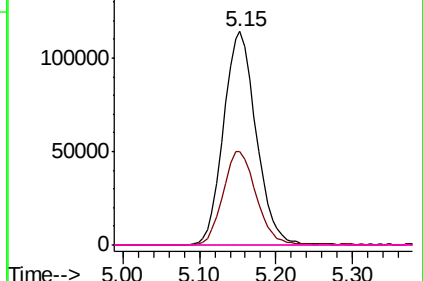


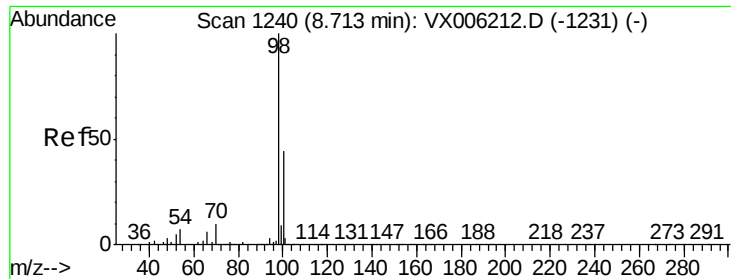
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#50

Toluene-d8

Concen: 49.762 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006493.D

Acq: 13 Dec 2018 14:24

Instrument :

MSVOA_X

ClientSampleId :

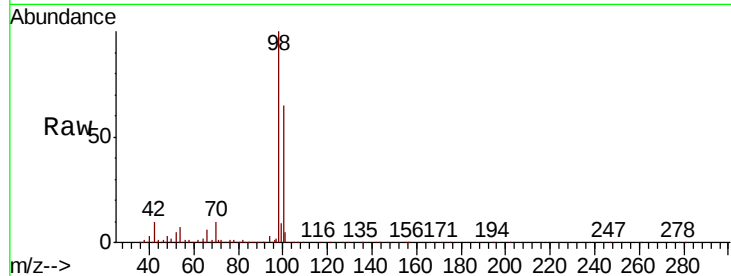
SV-27781LDL

Tot Ion: 98 Resp: 1202123

Ion Ratio Lower Upper

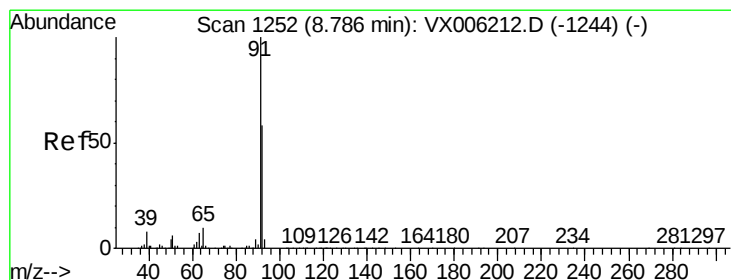
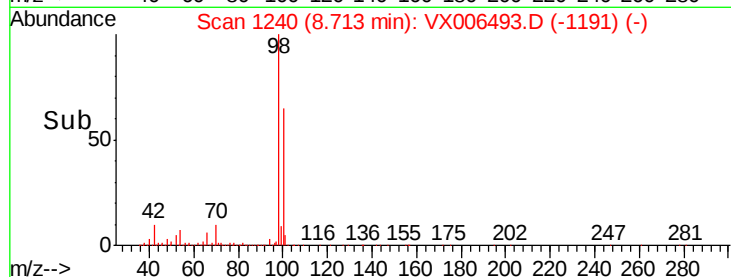
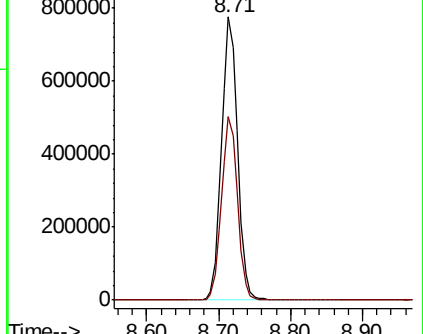
98 100

100 64.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#52

Toluene

Concen: 0.214 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX006493.D

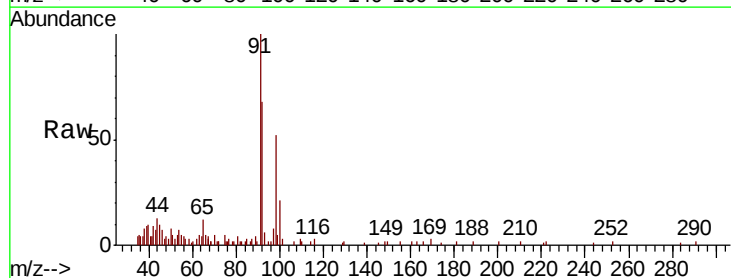
Acq: 13 Dec 2018 14:24

Tgt Ion: 92 Resp: 3642

Ion Ratio Lower Upper

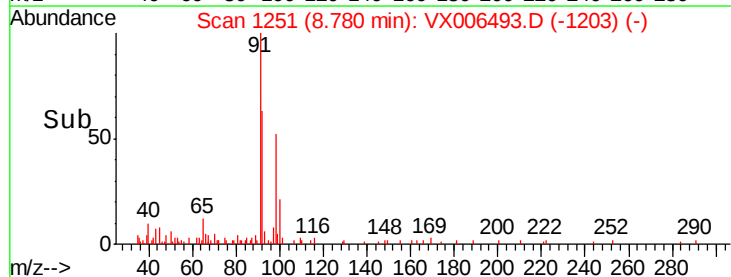
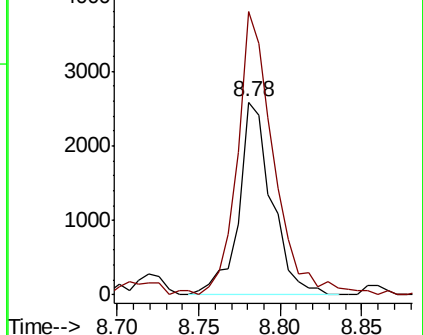
92 100

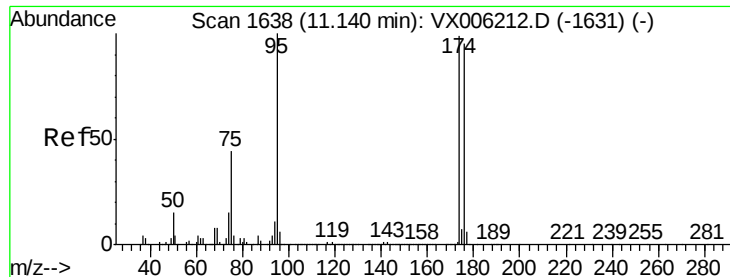
91 161.3 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#62

4-Bromofluorobenzene

Concen: 49.299 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006493.D

Acq: 13 Dec 2018 14:24

Instrument :

MSVOA_X

ClientSampleId :

SV-27781LDL

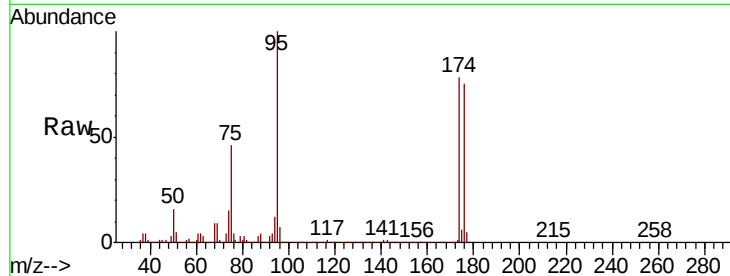
Tot Ion: 95 Resp: 448782

Ion Ratio Lower Upper

95 100

174 85.0 0.0 187.0

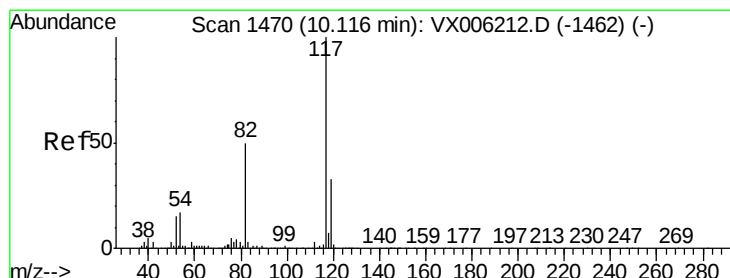
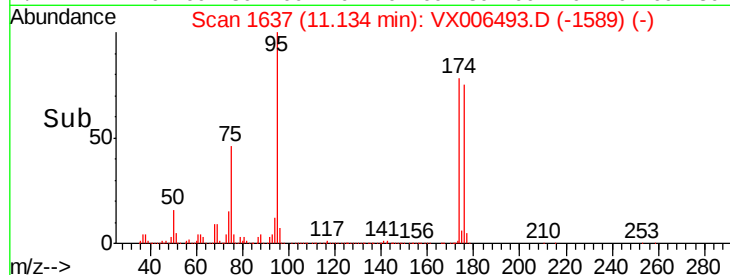
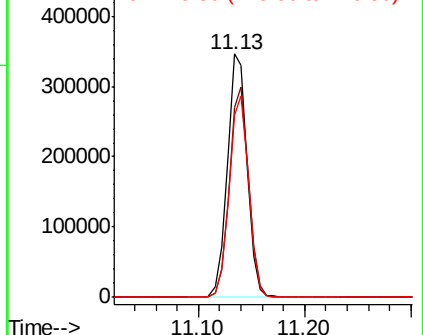
176 82.1 0.0 181.8



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006493.D

Acq: 13 Dec 2018 14:24

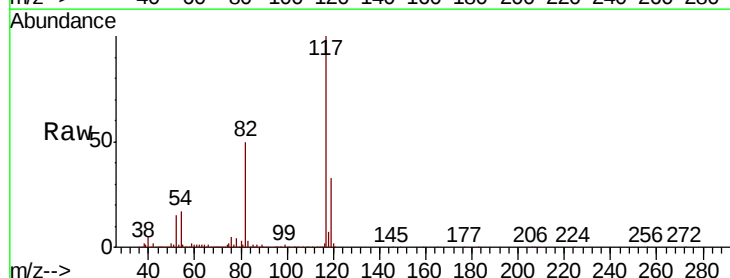
Tgt Ion: 117 Resp: 938887

Ion Ratio Lower Upper

117 100

82 50.0 39.6 59.4

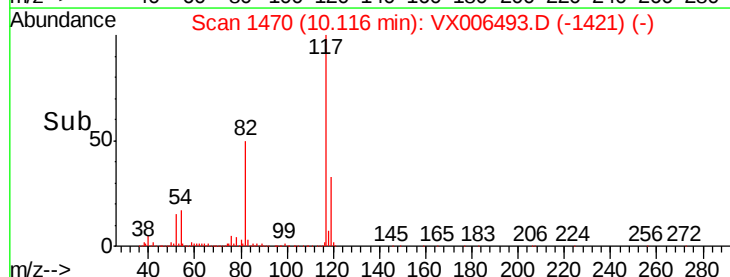
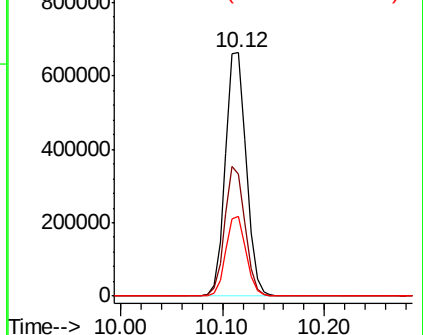
119 32.5 26.3 39.5

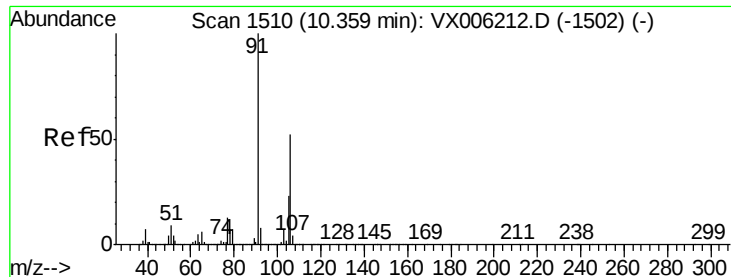


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#68

m/p-Xylenes

Concen: 0.701 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX006493.D

Acq: 13 Dec 2018 14:24

Instrument :

MSVOA_X

ClientSampleId :

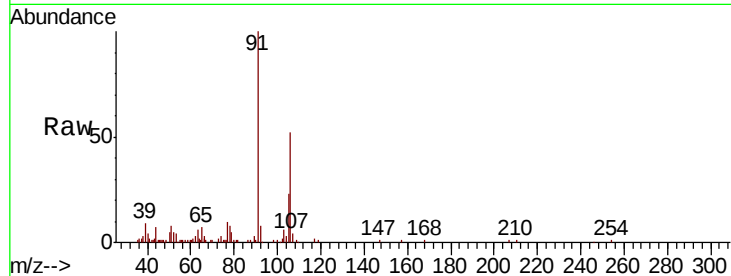
SV-27781LDL

Tot Ion:106 Resp: 9304

Ion Ratio Lower Upper

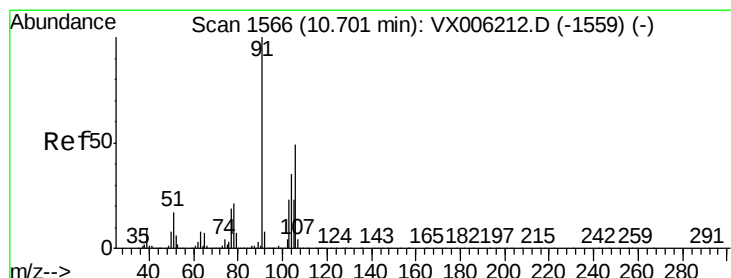
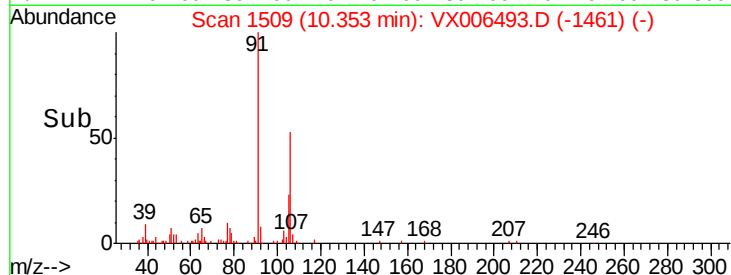
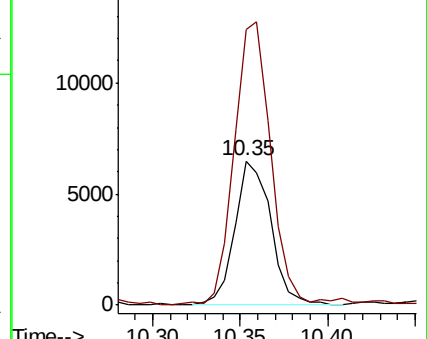
106 100

91 198.1 155.2 232.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 0.412 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VX006493.D

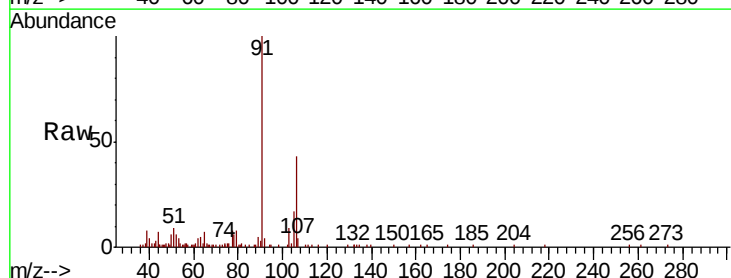
Acq: 13 Dec 2018 14:24

Tgt Ion:106 Resp: 5403

Ion Ratio Lower Upper

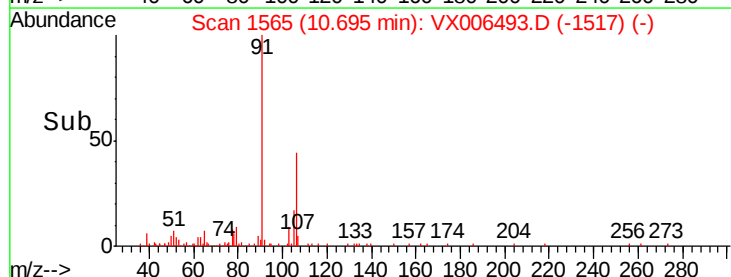
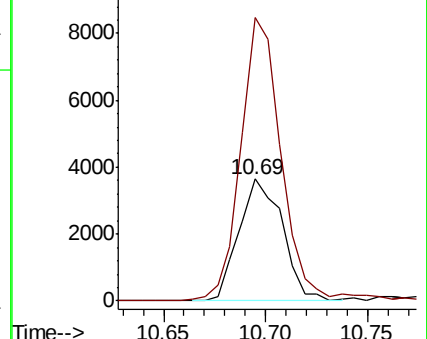
106 100

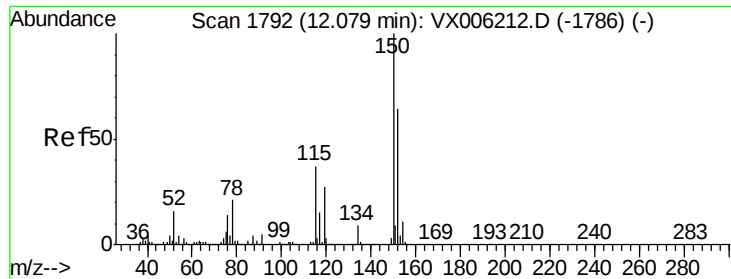
91 217.3 101.8 305.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006493.D

Acq: 13 Dec 2018 14:24

Instrument :

MSVOA_X

ClientSampleId :

SV-27781LDL

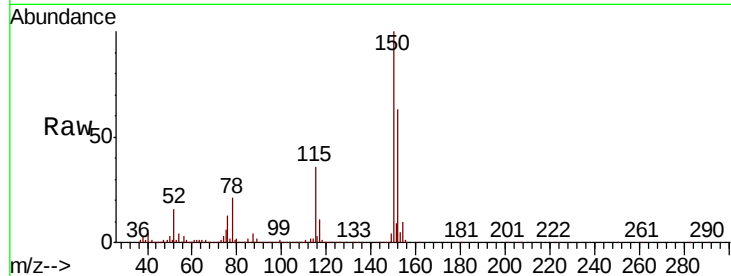
Tot Ion:152 Resp: 444748

Ion Ratio Lower Upper

152 100

115 57.3 39.0 116.9

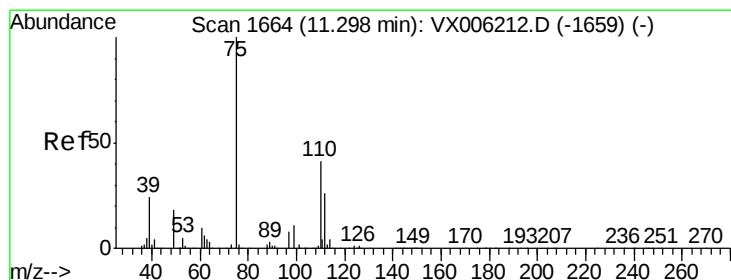
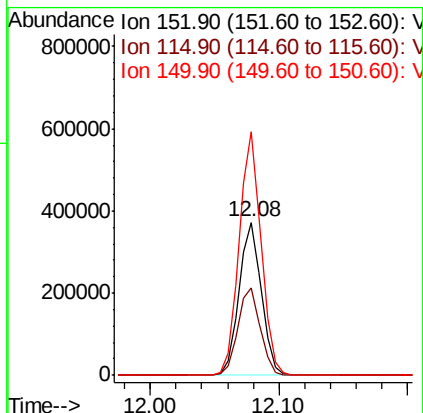
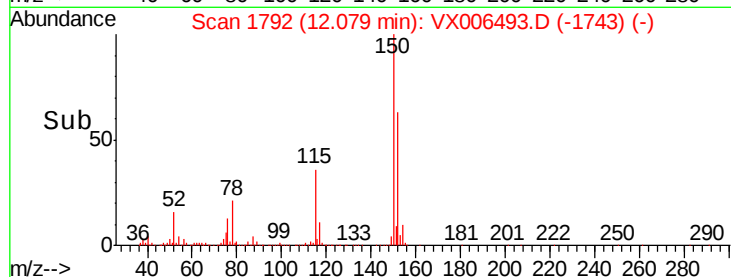
150 157.3 0.0 345.8



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



#76

1,2,3-Trichloropropane

Concen: 24.016 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006493.D

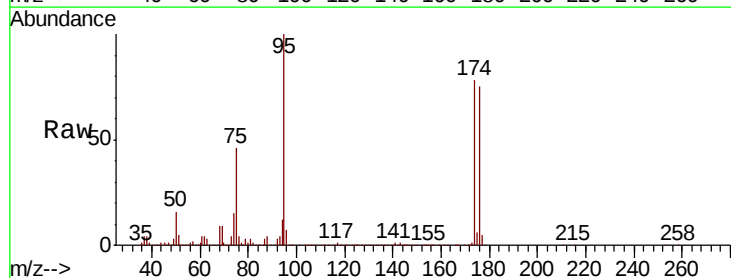
Acq: 13 Dec 2018 14:24

Tgt Ion: 75 Resp: 206166

Ion Ratio Lower Upper

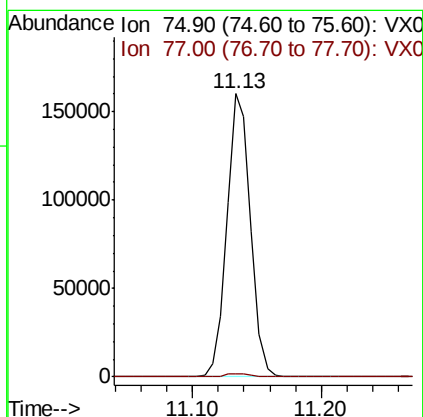
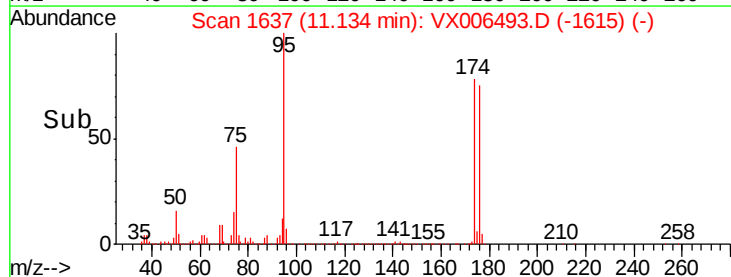
75 100

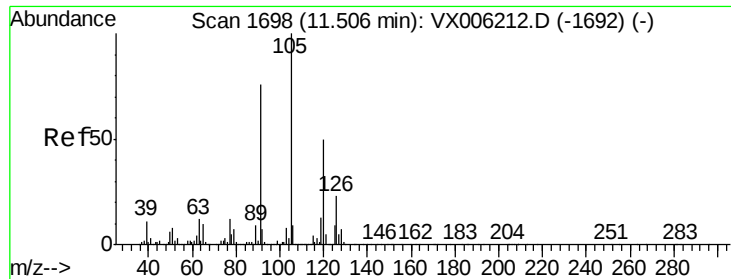
77 1.4 19.9 59.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#80

1,3,5-Trimethylbenzene

Concen: 0.331 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006493.D

Acq: 13 Dec 2018 14:24

Instrument :

MSVOA_X

ClientSampleId :

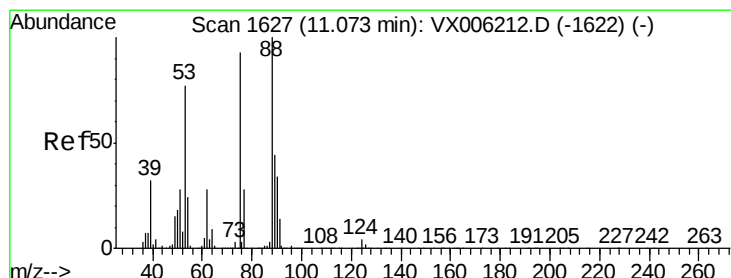
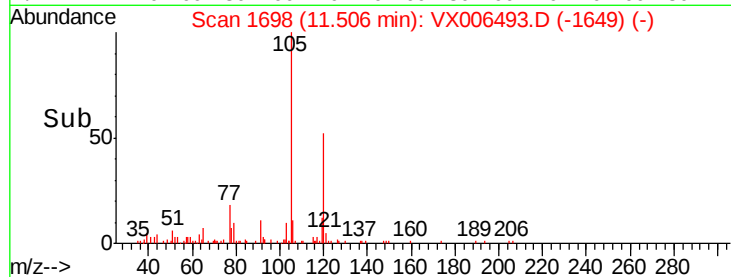
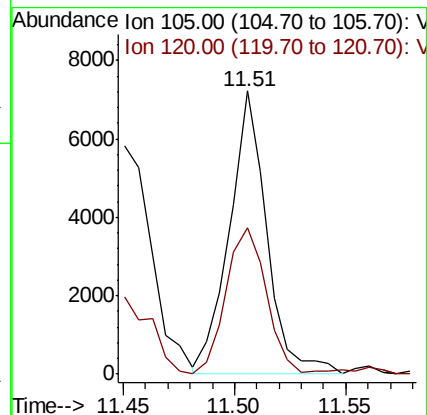
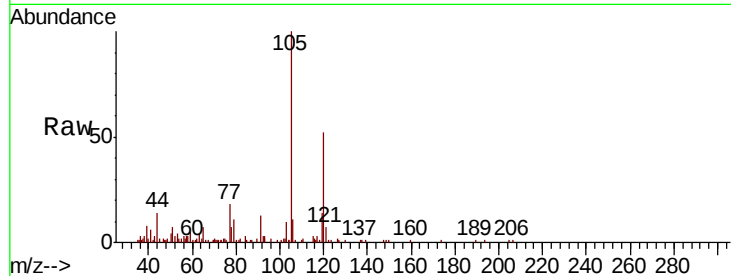
SV-27781LDL

Tot Ion:105 Resp: 8466

Ion Ratio Lower Upper

105 100

120 56.0 25.4 76.0



#81

trans-1,4-Dichloro-2-butene

Concen: 56.360 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006493.D

Acq: 13 Dec 2018 14:24

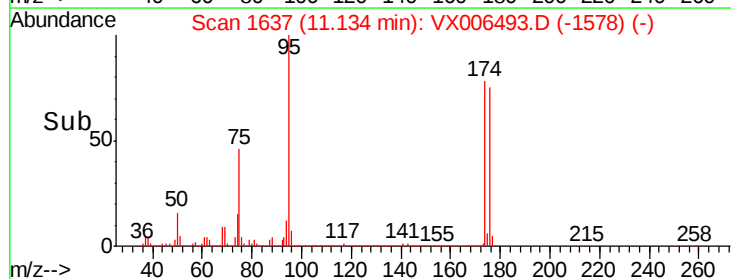
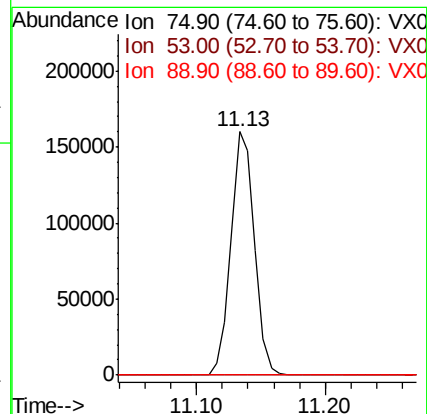
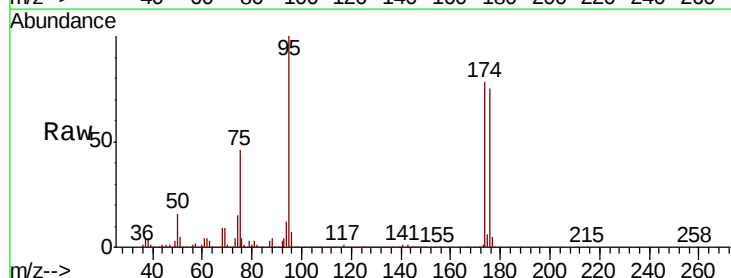
Tgt Ion: 75 Resp: 206166

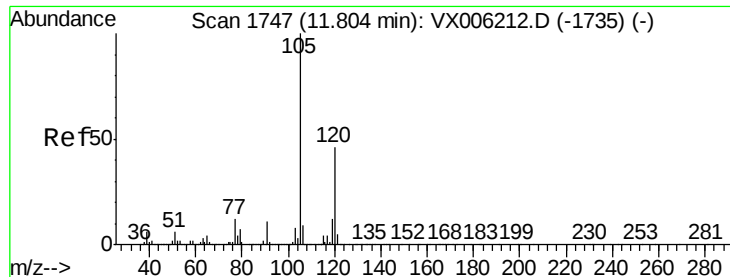
Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 44.2 66.4#





#84

1,2,4-Trimethylbenzene

Concen: 1.197 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006493.D

Acq: 13 Dec 2018 14:24

Instrument :

MSVOA_X

ClientSampleId :

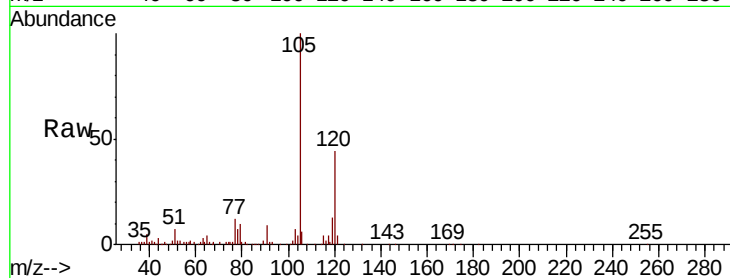
SV-27781LDL

Tot Ion:105 Resp: 31578

Ion Ratio Lower Upper

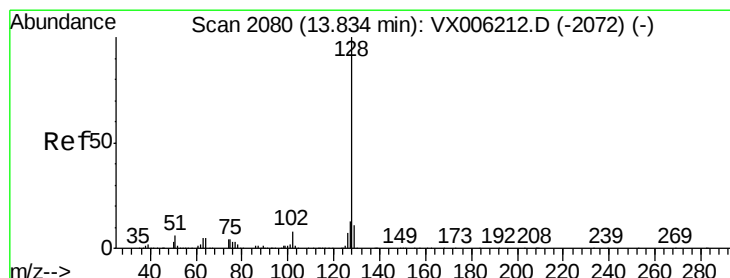
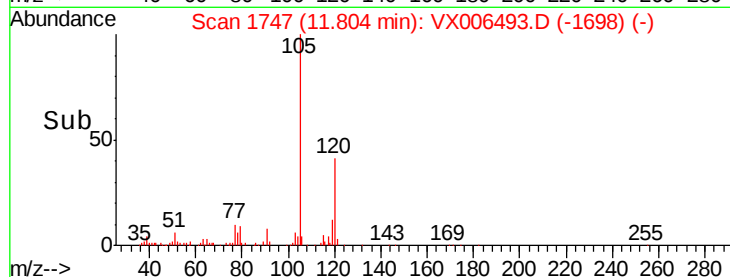
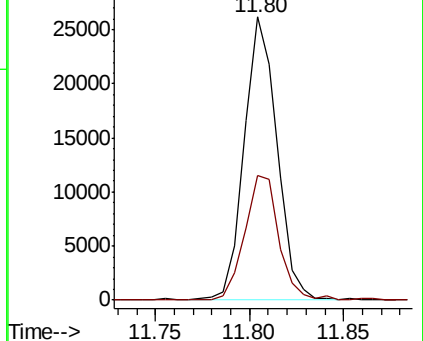
105 100

120 46.1 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 0.514 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006493.D

Acq: 13 Dec 2018 14:24

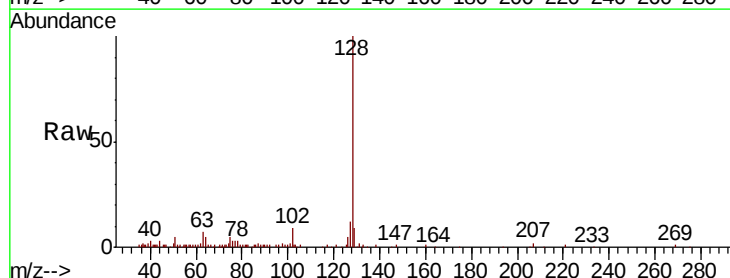
Tgt Ion:128 Resp: 17561

Ion Ratio Lower Upper

128 100

127 14.0 10.2 15.4

129 14.4 8.9 13.3#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

