

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032819\
 Data File : VX008531.D
 Acq On : 28 Mar 2019 19:42
 Operator : JC/SP
 Sample : K2121-08DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUPDL

Quant Time: Mar 29 01:32:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	230147	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	389123	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	335540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	140434	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	161949	46.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.84%	
35) Dibromofluoromethane	5.50	113	119030	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	
50) Toluene-d8	8.71	98	489523	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	
62) 4-Bromofluorobenzene	11.13	95	165274	43.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.92%	

Target Compounds

					Qvalue	
3) Chloromethane	1.32	50	463	Below Cal	#	52
4) Vinyl Chloride	1.41	62	4421	1.167	ug/l	98
5) Bromomethane	1.64	94	223	1.916	ug/l #	43
6) Chloroethane	1.55	64	3451	1.538	ug/l #	61
10) Methyl Iodide	2.51	142	344	4.254	ug/l #	73
11) Tert butyl alcohol	3.03	59	751	0.971	ug/l #	90
16) Acetone	2.44	43	5276	2.893	ug/l	99
17) Carbon Disulfide	2.57	76	1392	Below Cal	#	94
20) Methylene Chloride	2.85	84	1616	Below Cal		97
21) trans-1,2-Dichloroethene	3.17	96	1301	0.218	ug/l	95
25) 2-Butanone	4.69	43	1365	0.467	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	114453	34.957	ug/l	88
31) Cyclohexane	5.58	56	1323	0.237	ug/l #	77
36) 1,1-Dichloropropene	5.67	75	19259	4.642	ug/l #	51
37) Ethyl Acetate	4.69	43	1365	0.254	ug/l #	70
38) Carbon Tetrachloride	5.66	117	22563	6.517	ug/l #	17
39) Methylcyclohexane	7.46	83	1742	0.351	ug/l	90
40) Benzene	6.14	78	3310	0.266	ug/l	92
52) Toluene	8.79	92	71580	9.638	ug/l	98
67) Ethyl Benzene	10.25	91	33547	2.436	ug/l	98
68) m/p-Xylenes	10.36	106	81256	16.219	ug/l	99
69) o-Xylene	10.70	106	45950	9.451	ug/l	99
70) Styrene	10.69	104	2412	0.287	ug/l #	1
73) Isopropylbenzene	11.02	105	3738	0.327	ug/l	92
76) 1,2,3-Trichloropropane	11.13	75	83934	20.104	ug/l #	34
78) n-propylbenzene	11.36	91	11384	0.851	ug/l	99
79) 2-Chlorotoluene	11.43	91	15369	1.888	ug/l #	51
80) 1,3,5-Trimethylbenzene	11.51	105	79944	8.277	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	83934	64.390	ug/l #	9
82) 4-Chlorotoluene	11.51	91	8946	0.953	ug/l #	49
83) tert-Butylbenzene	11.77	119	4618	0.496	ug/l	89
84) 1,2,4-Trimethylbenzene	11.80	105	141483	14.482	ug/l	99
85) sec-Butylbenzene	11.80	105	141483	12.749	ug/l #	58
86) p-Isopropyltoluene	12.06	119	8715	0.890	ug/l	89

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Quant Time: Mar 29 01:32:33 2019
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Quant Title : SW846 8260
QLast Update : Tue Mar 26 07:57:20 2019
Response via : Initial Calibration

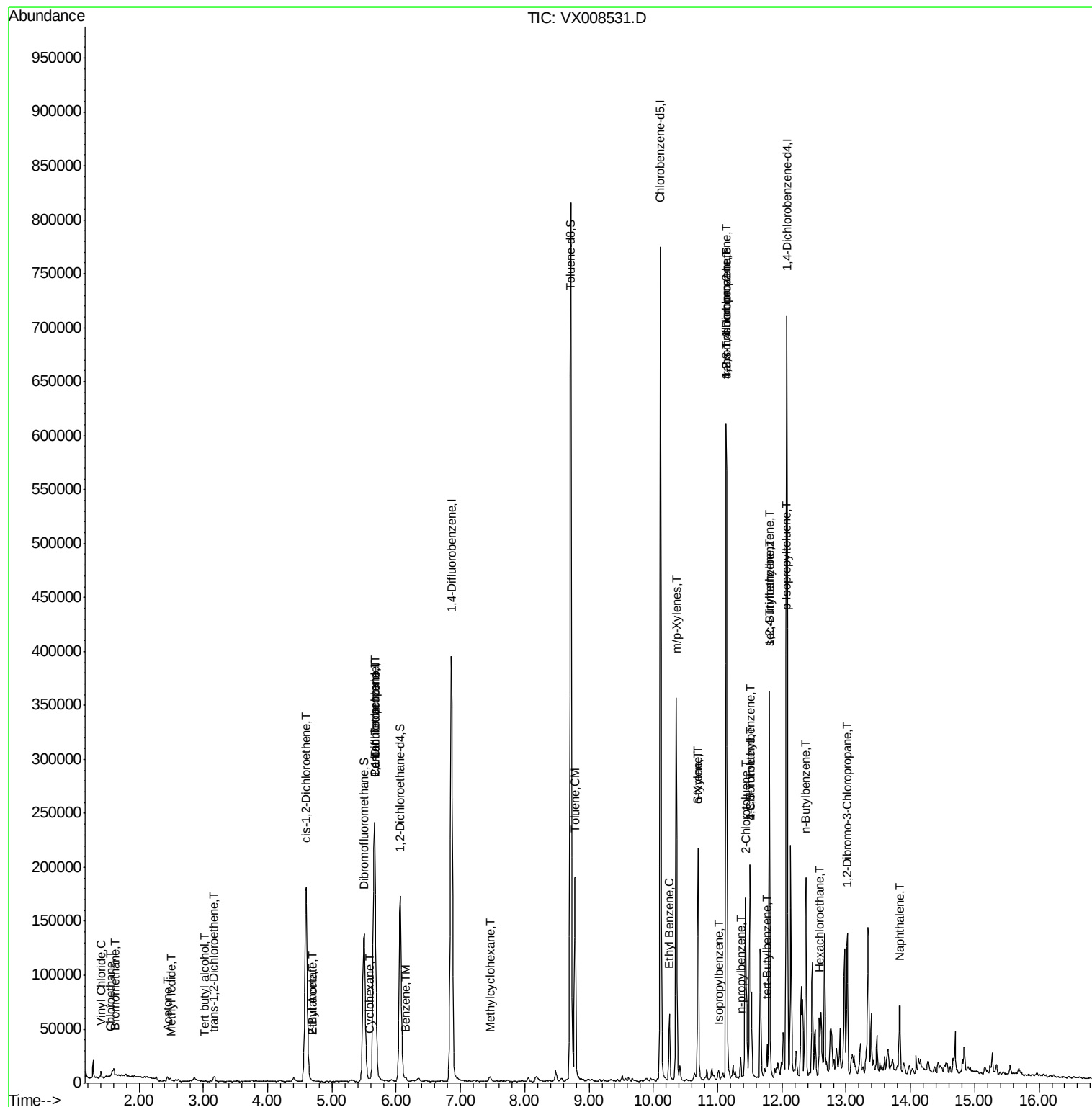
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	12.37	91	15802	1.703	ug/l #	1
90) Hexachloroethane	12.58	117	2204	1.351	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	13.01	75	512	0.530	ug/l #	4
95) Naphthalene	13.83	128	37468	3.272	ug/l	98

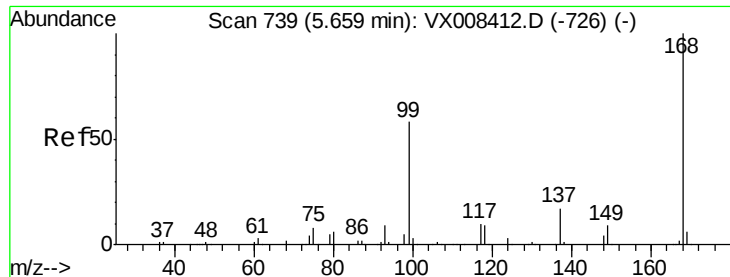
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

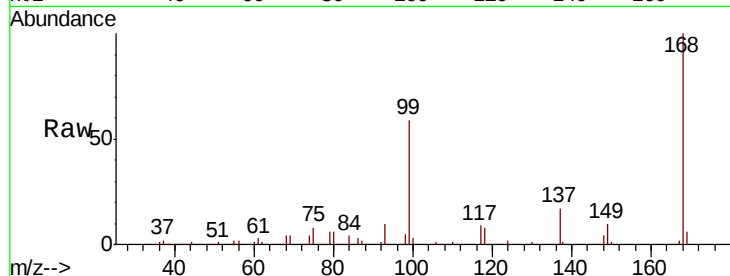
DUPDL

Tot Ion:168 Resp: 230147

Ion Ratio Lower Upper

168 100

99 59.2 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

40000

20000

0

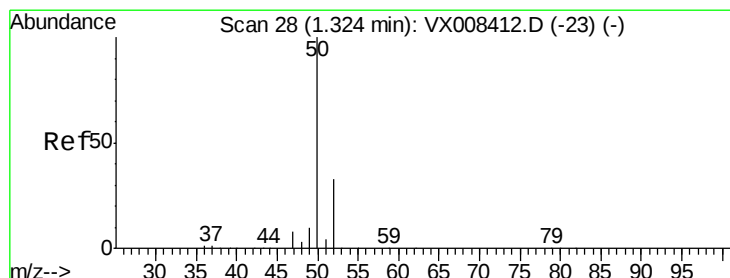
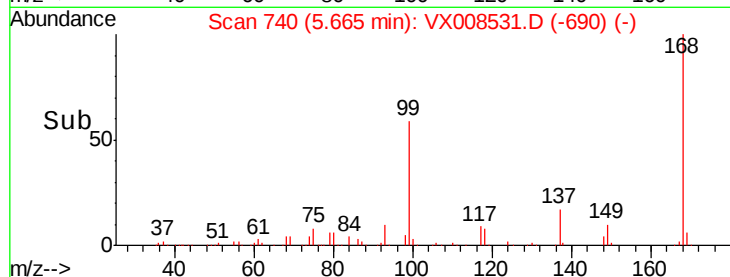
Time-->

5.50

5.60

5.70

5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008531.D

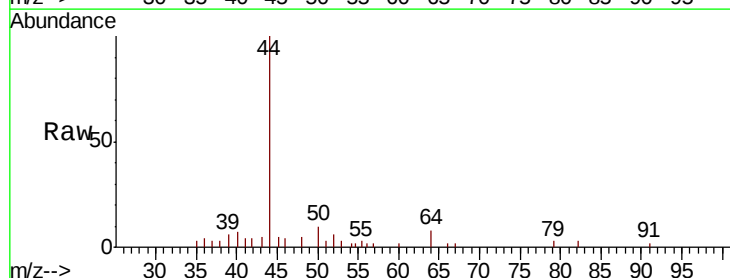
Acq: 28 Mar 2019 19:42

Tgt Ion: 50 Resp: 463

Ion Ratio Lower Upper

50 100

52 59.6 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

300

250

200

150

100

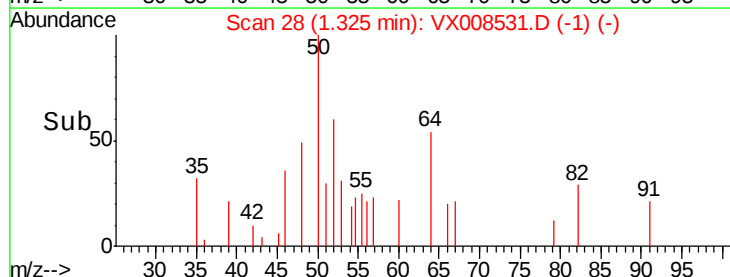
50

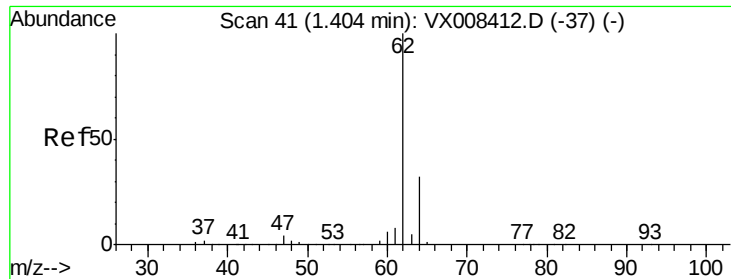
0

Time-->

1.30

1.35





#4

Vinyl Chloride

Concen: 1.167 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampled :

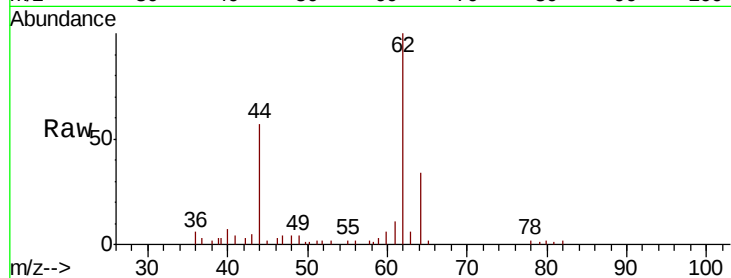
DUPDL

Tot Ion: 62 Resp: 4421

Ion Ratio Lower Upper

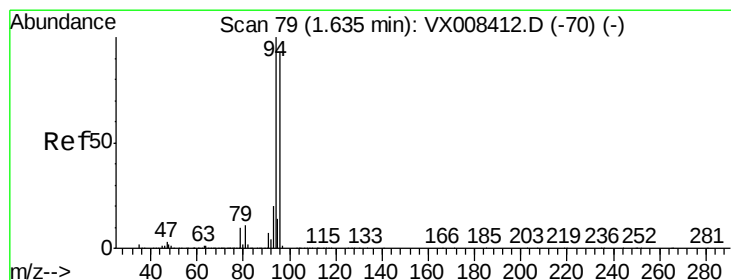
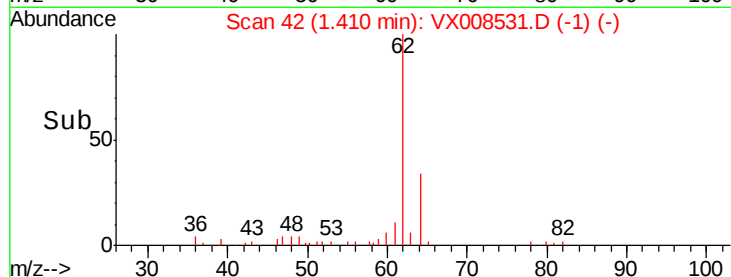
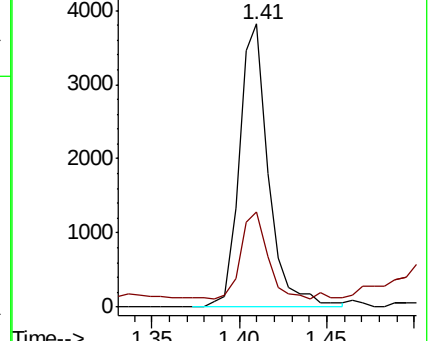
62 100

64 30.7 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 1.916 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008531.D

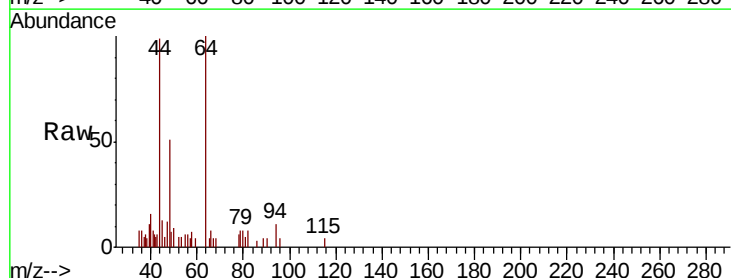
Acq: 28 Mar 2019 19:42

Tgt Ion: 94 Resp: 223

Ion Ratio Lower Upper

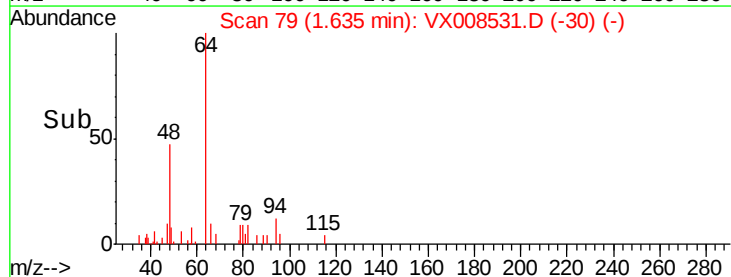
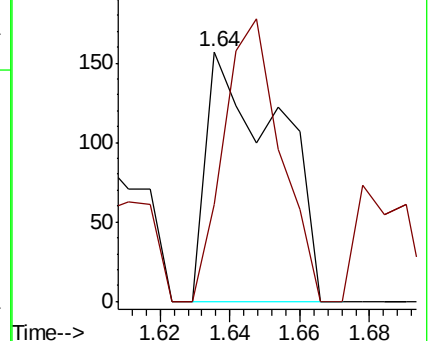
94 100

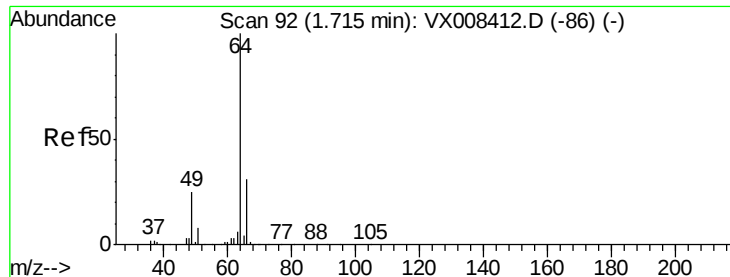
96 38.9 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 1.538 ug/l

RT: 1.55 min Scan# 65

Delta R.T. -0.16 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

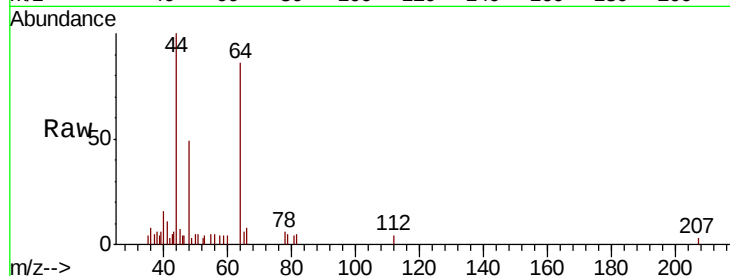
DUPDL

Tot Ion: 64 Resp: 3451

Ion Ratio Lower Upper

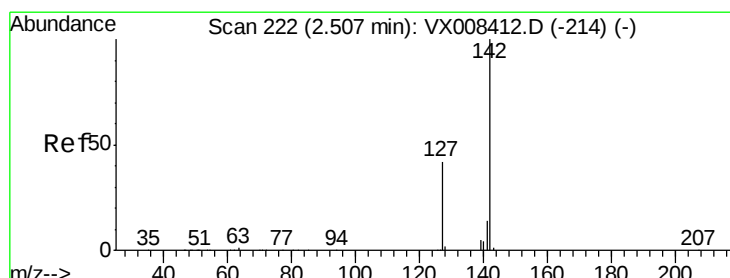
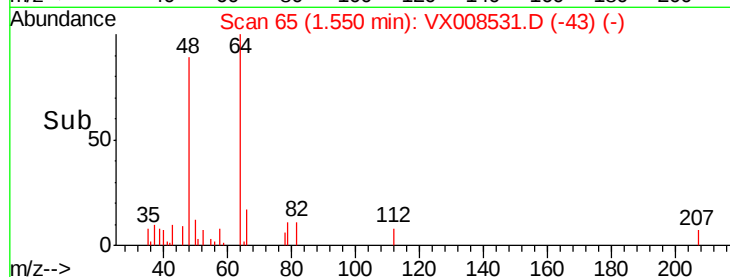
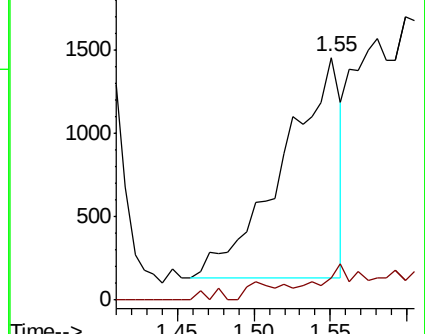
64 100

66 9.8 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 4.254 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

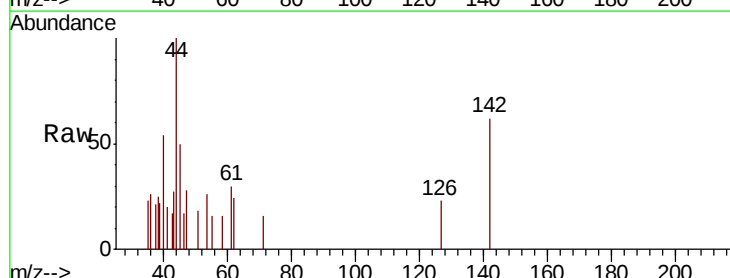
Tgt Ion: 142 Resp: 344

Ion Ratio Lower Upper

142 100

127 26.5 33.6 50.4#

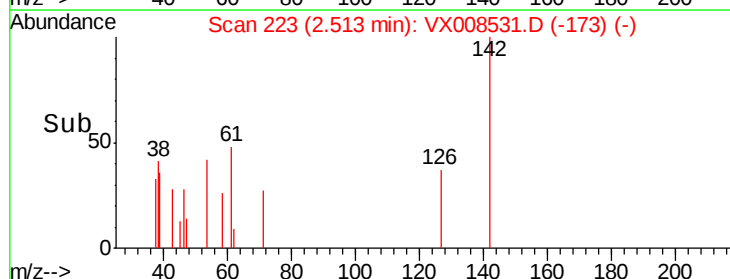
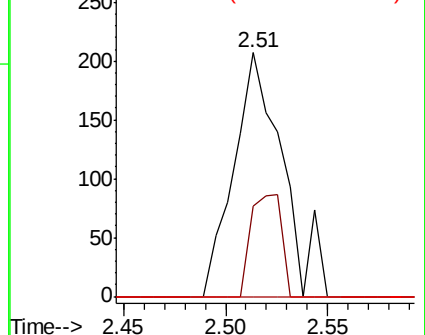
141 0.0 11.3 16.9#

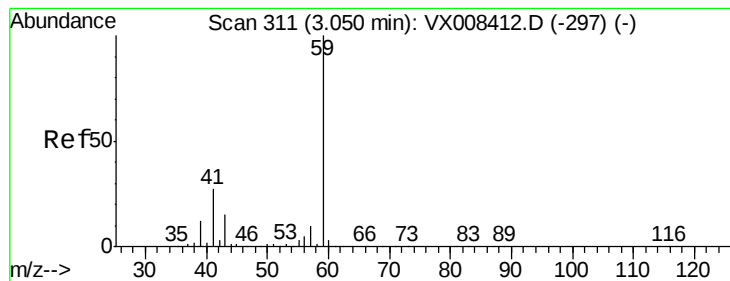


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 0.971 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampled :

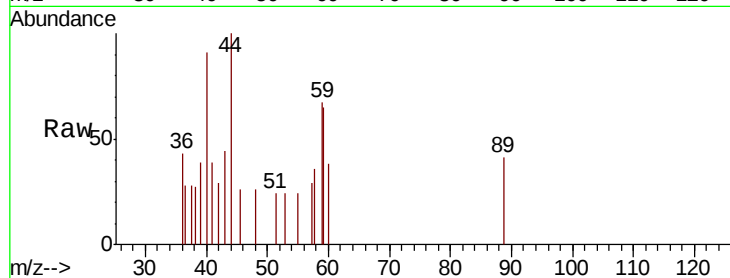
DUPDL

Tot Ion: 59 Resp: 751

Ion Ratio Lower Upper

59 100

57 6.5 8.2 12.4#

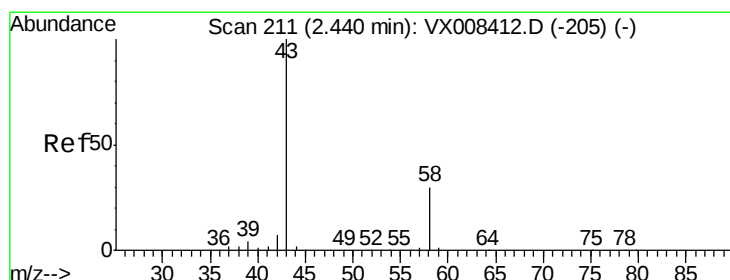
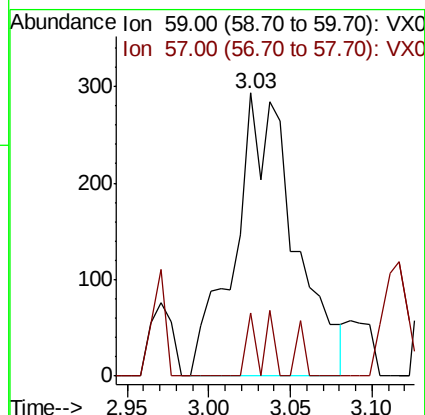
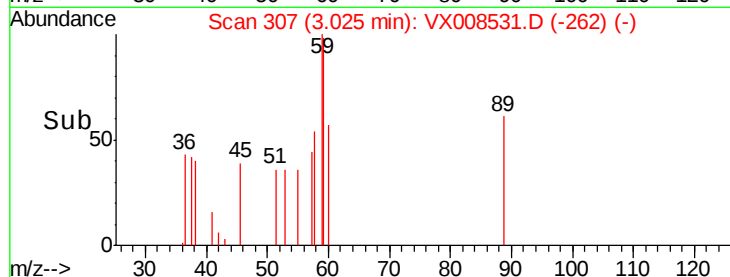


Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

Time-->



#16

Acetone

Concen: 2.893 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX008531.D

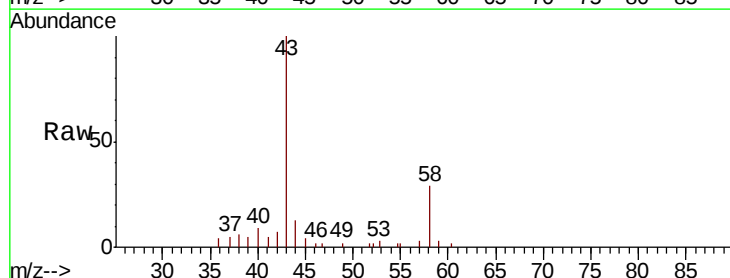
Acq: 28 Mar 2019 19:42

Tgt Ion: 43 Resp: 5276

Ion Ratio Lower Upper

43 100

58 29.6 24.2 36.2

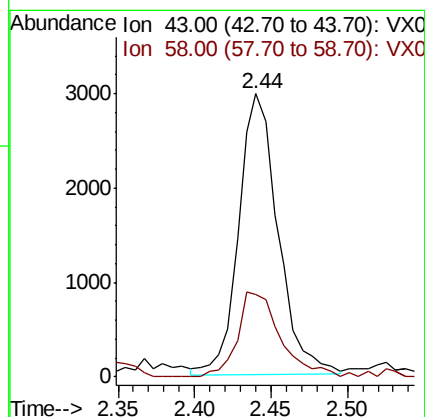
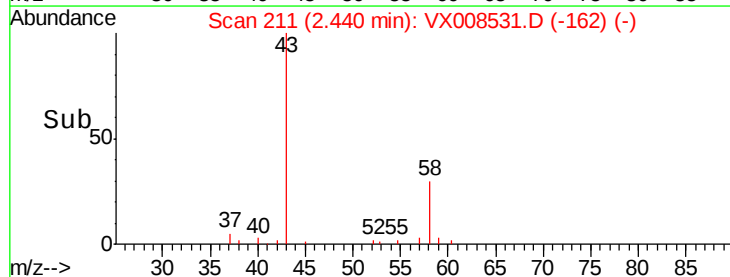


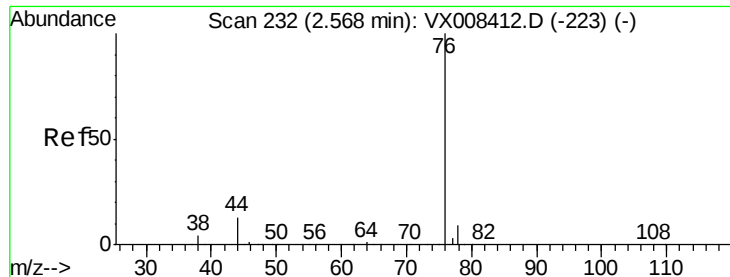
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

Time-->





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

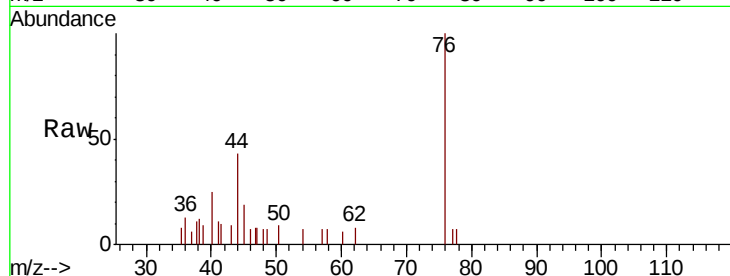
DUPDL

Tot Ion: 76 Resp: 1392

Ion Ratio Lower Upper

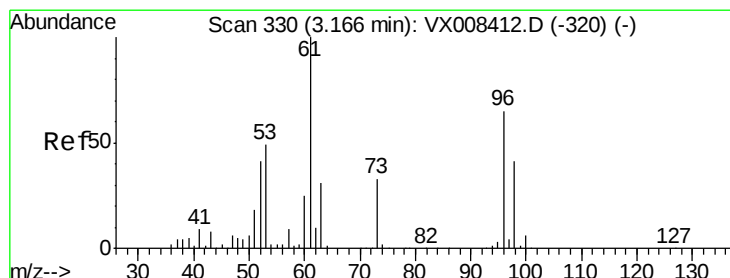
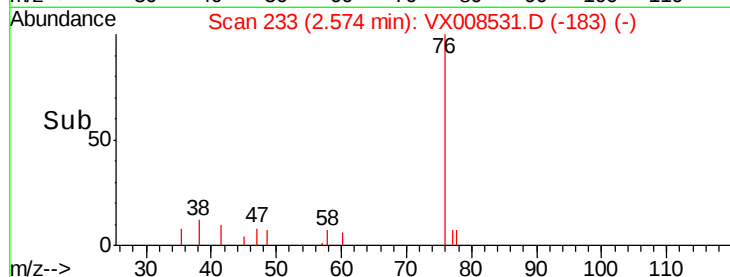
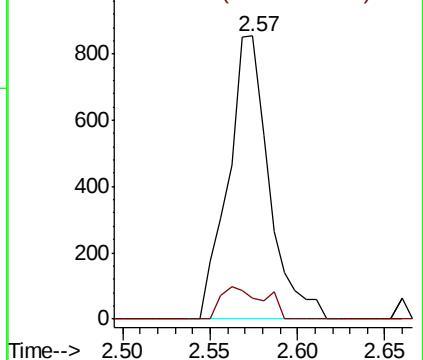
76 100

78 7.3 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#21

trans-1,2-Dichloroethene

Concen: 0.218 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

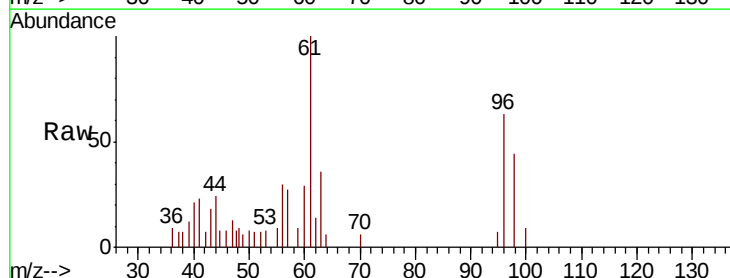
Tgt Ion: 96 Resp: 1301

Ion Ratio Lower Upper

96 100

61 158.1 122.6 184.0

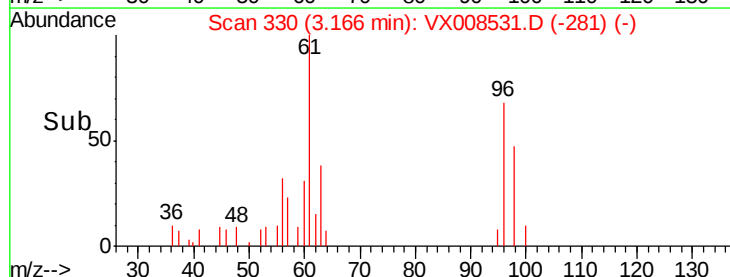
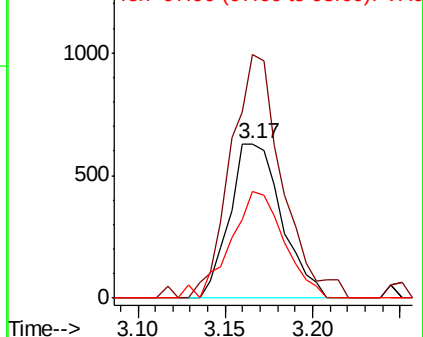
98 69.3 50.9 76.3

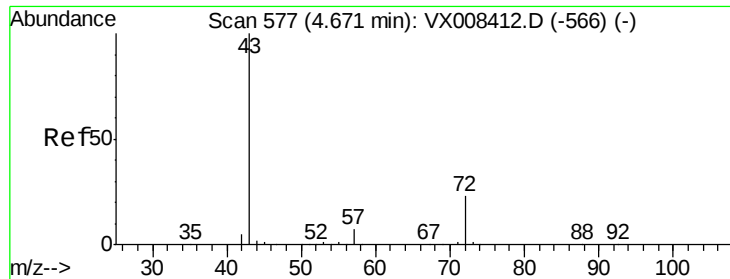


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#25

2-Butanone

Concen: 0.467 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.02 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampled :

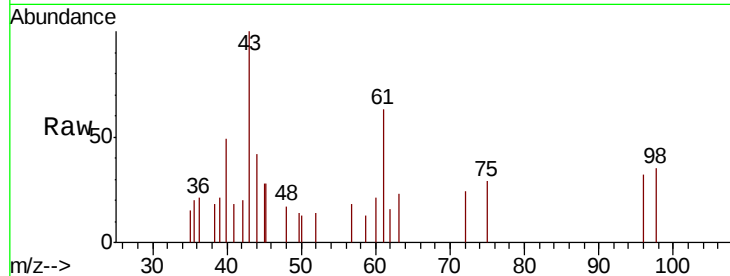
DUPDL

Tot Ion: 43 Resp: 1365

Ion Ratio Lower Upper

43 100

72 23.8 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

500

400

300

200

100

0

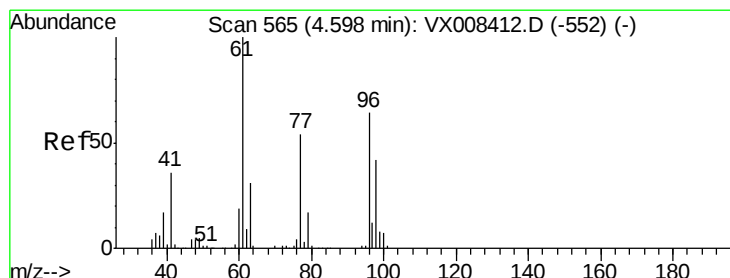
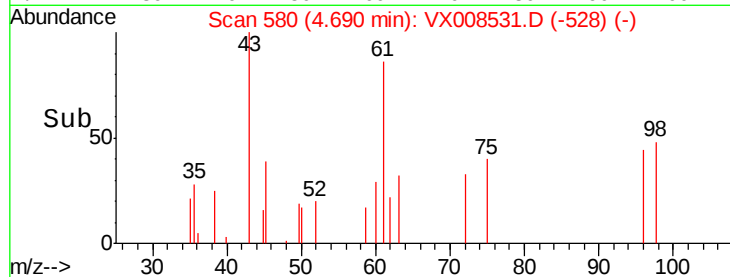
4.60

4.65

4.70

4.75

Time-->



#27

cis-1,2-Dichloroethene

Concen: 34.957 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

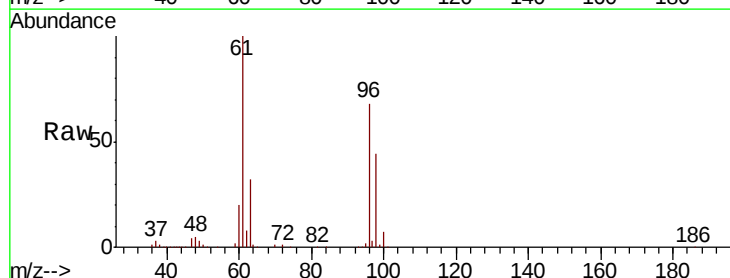
Tgt Ion: 96 Resp: 114453

Ion Ratio Lower Upper

96 100

61 141.5 0.0 325.6

98 63.7 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

80000

60000

40000

20000

0

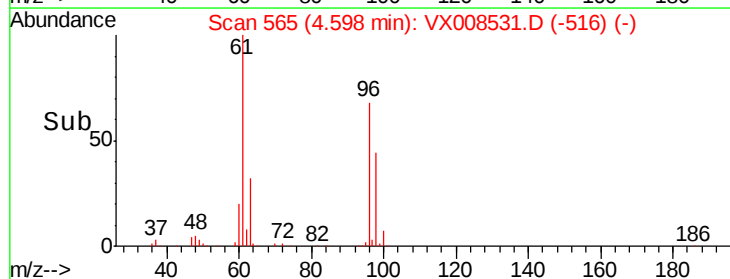
4.50

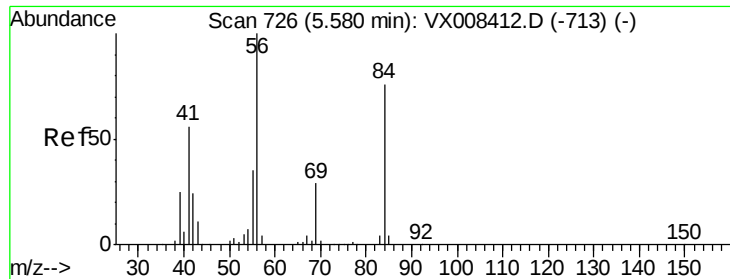
4.60

4.70

4.80

Time-->

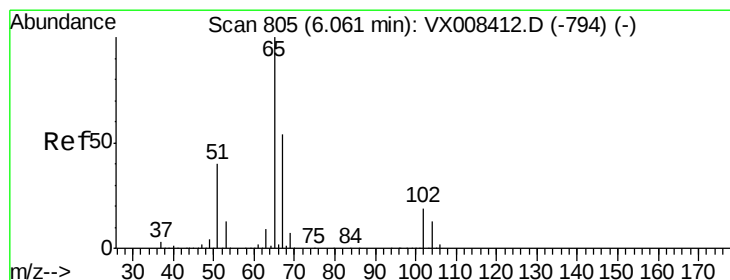
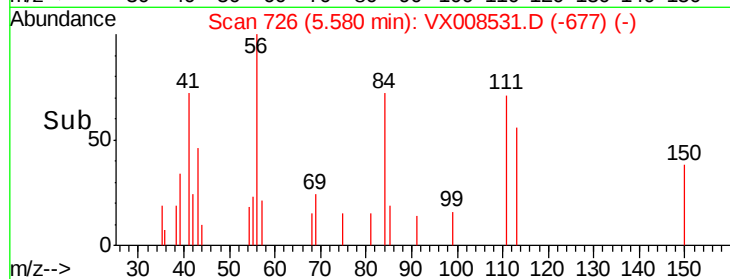
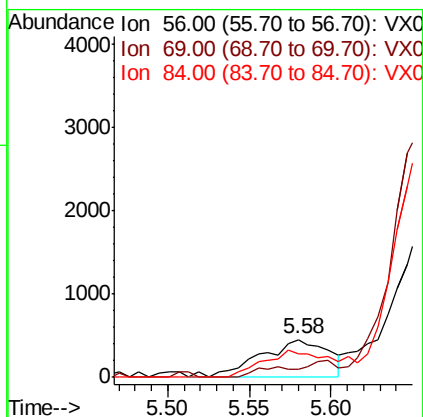
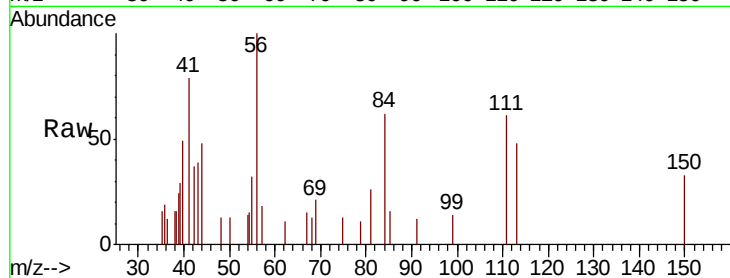




#31
Cyclohexane
Concen: 0.237 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX008531.D
Acq: 28 Mar 2019 19:42

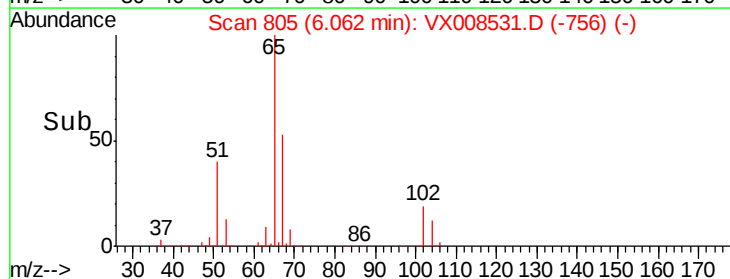
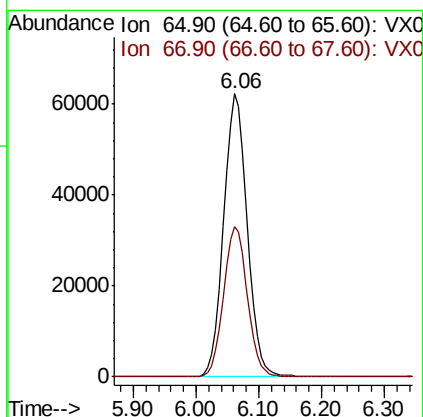
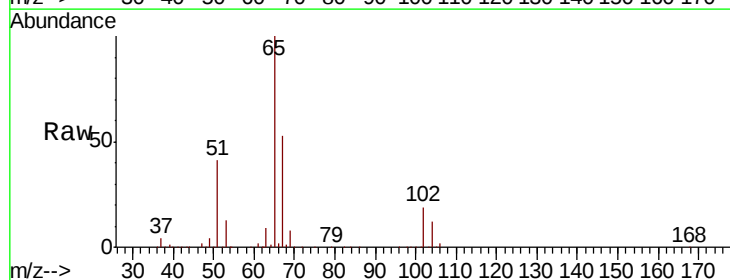
Instrument :
MSVOA_X
ClientSampleId :
DUPDL

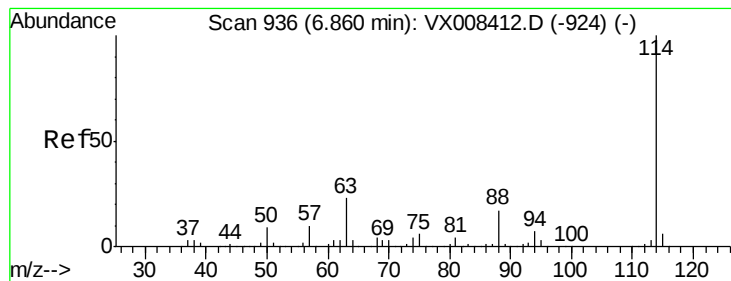
Tot Ion: 56 Resp: 1323
Ion Ratio Lower Upper
56 100
69 6.8 23.2 34.8#
84 61.7 60.7 91.1



#33
1,2-Dichloroethane-d4
Concen: 46.416 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX008531.D
Acq: 28 Mar 2019 19:42

Tgt Ion: 65 Resp: 161949
Ion Ratio Lower Upper
65 100
67 53.5 0.0 109.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

DUPDL

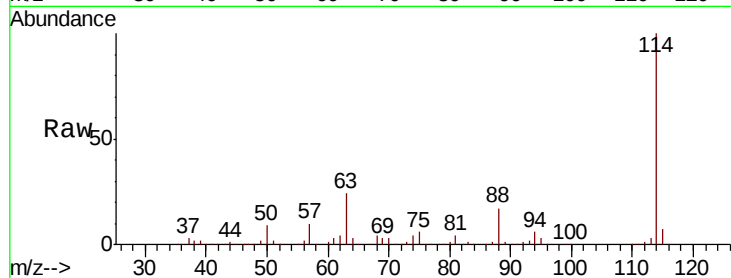
Tot Ion:114 Resp: 389123

Ion Ratio Lower Upper

114 100

63 23.6 0.0 46.4

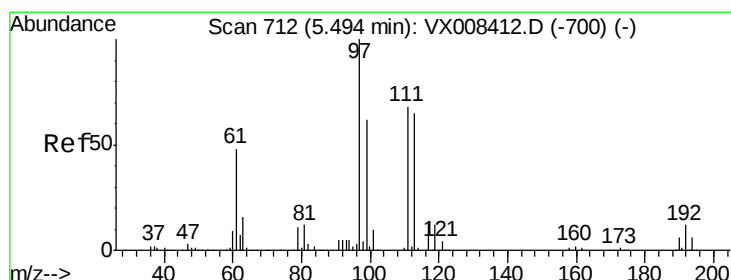
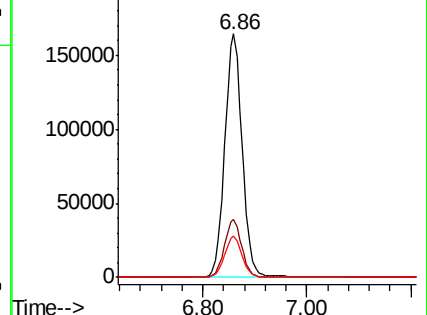
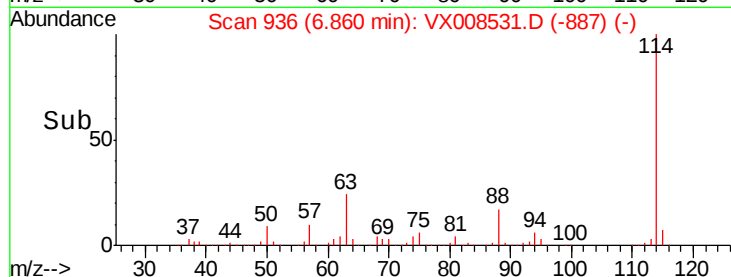
88 17.1 0.0 33.2



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: 46.913 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

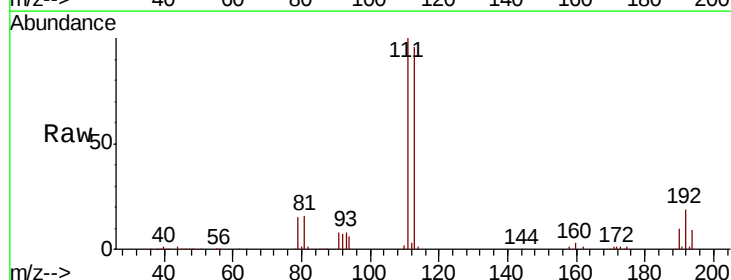
Tgt Ion:113 Resp: 119030

Ion Ratio Lower Upper

113 100

111 103.0 83.0 124.4

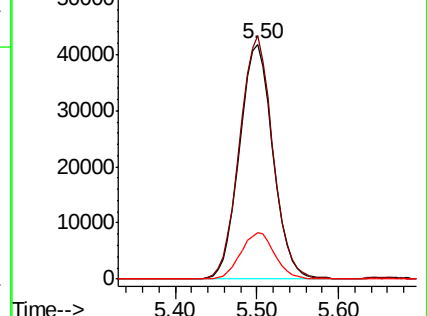
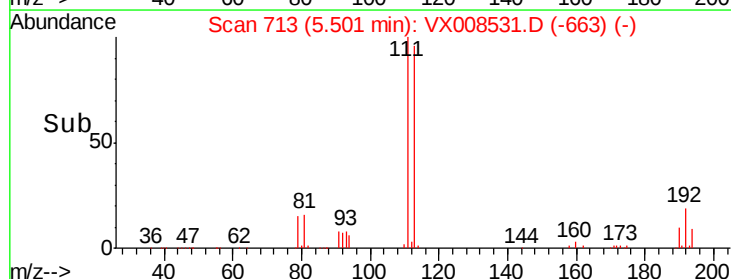
192 19.9 15.6 23.4

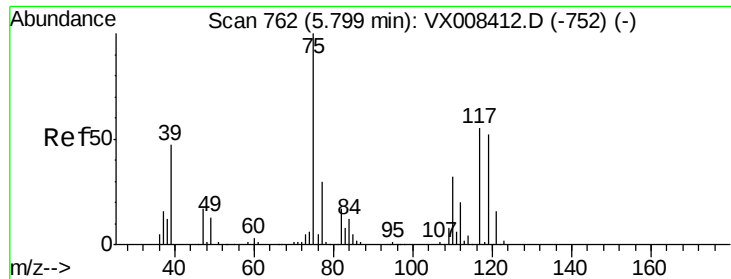


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

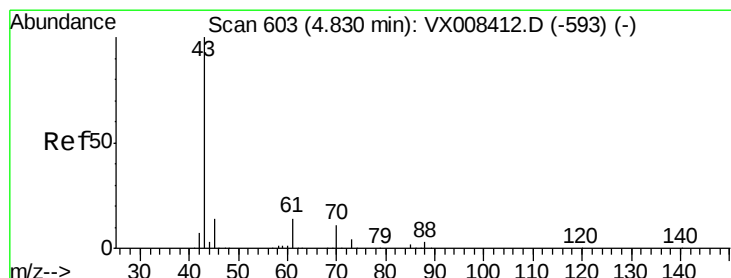
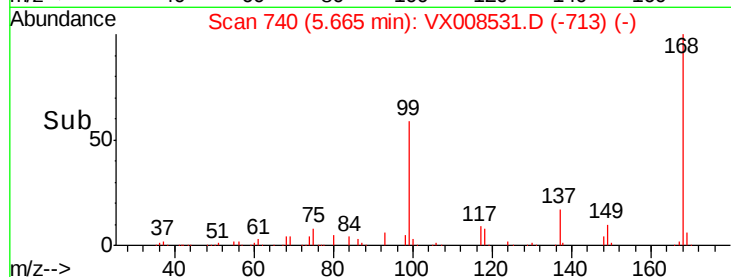
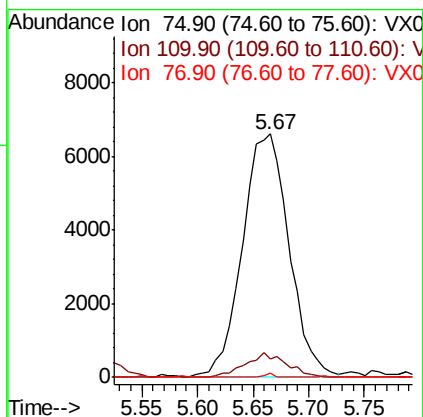
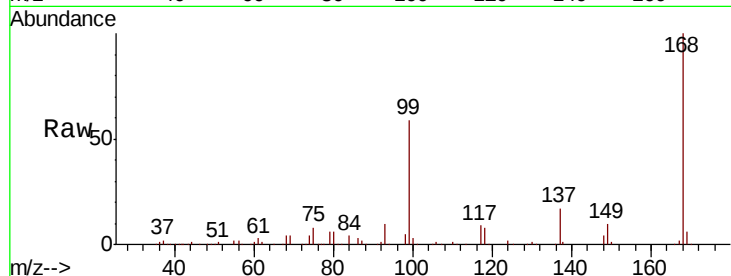




#36
 1,1-Dichloropropene
 Concen: 4.642 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX008531.D
 Acq: 28 Mar 2019 19:42

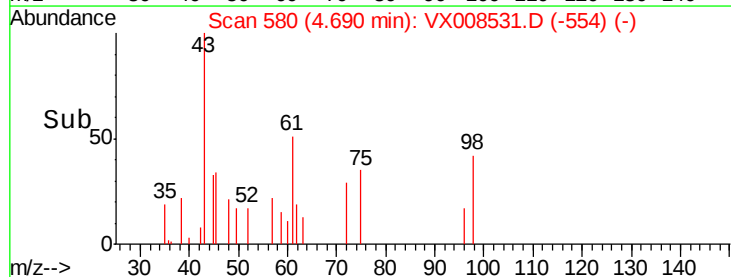
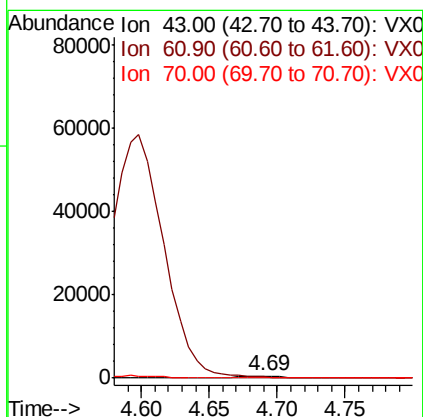
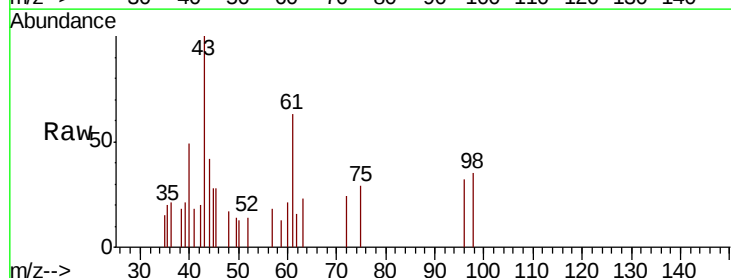
Instrument :
 MSVOA_X
 ClientSampleId :
 DUPDL

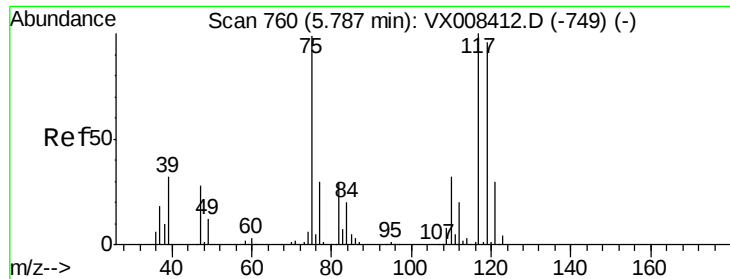
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.6	49.7#
77	0.3	24.2	36.2#



#37
 Ethyl Acetate
 Concen: 0.254 ug/l
 RT: 4.69 min Scan# 580
 Delta R.T. -0.14 min
 Lab File: VX008531.D
 Acq: 28 Mar 2019 19:42

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.5	15.7#
70	0.0	7.8	11.8#





#38

Carbon Tetrachloride

Concen: 6.517 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampled :

DUPDL

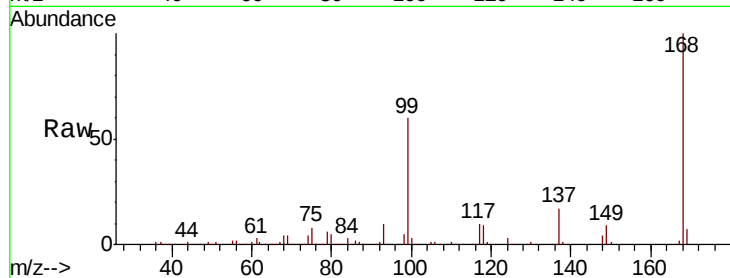
Tot Ion:117 Resp: 22563

Ion Ratio Lower Upper

117 100

119 6.3 76.7 115.1#

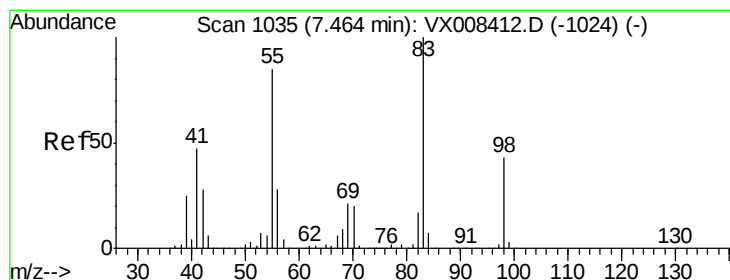
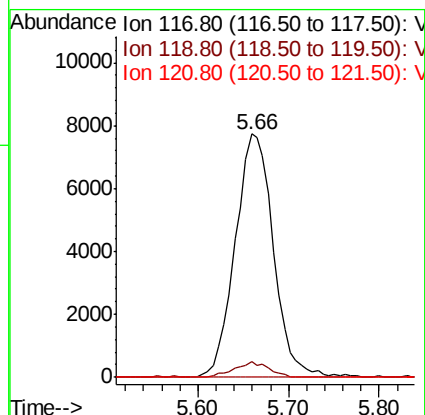
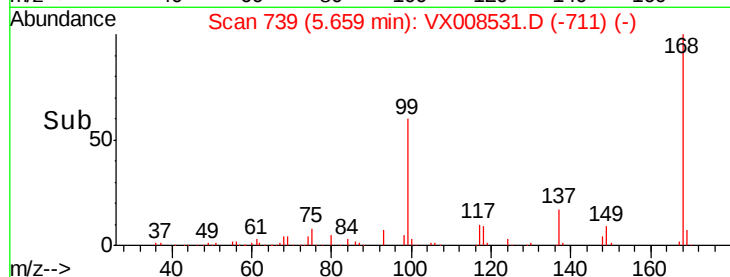
121 0.0 24.3 36.5#



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: 0.351 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

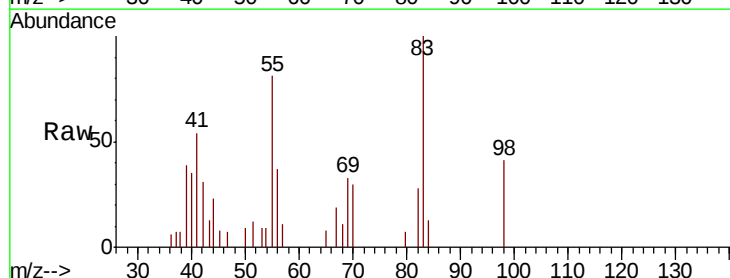
Tgt Ion: 83 Resp: 1742

Ion Ratio Lower Upper

83 100

55 73.7 68.2 102.4

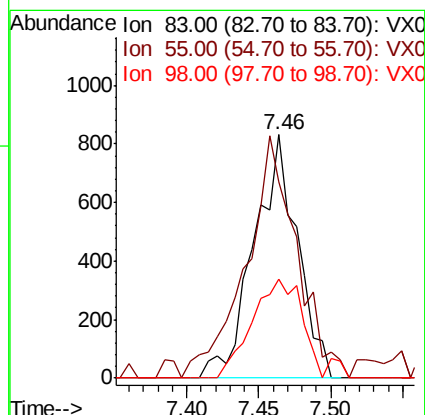
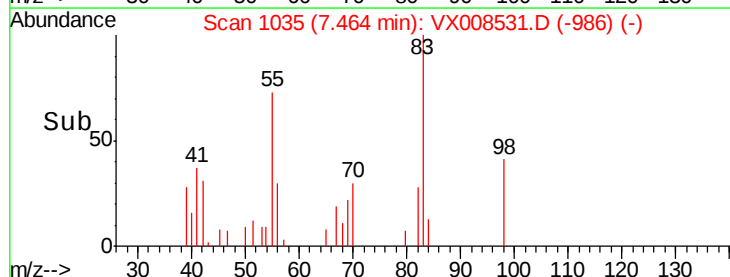
98 40.5 34.2 51.4

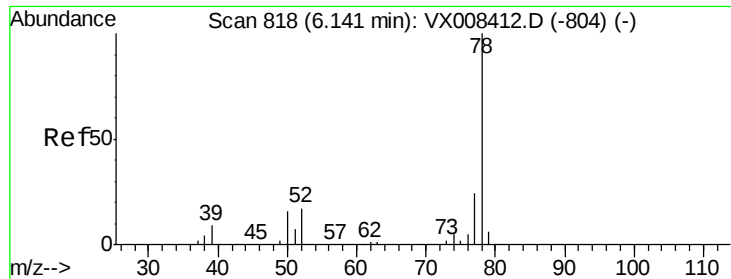


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

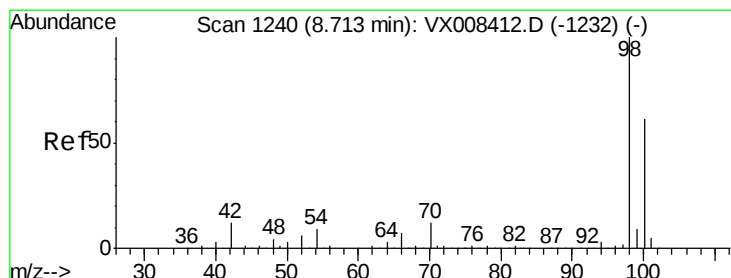
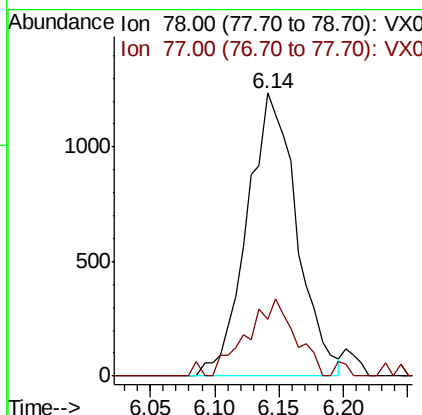
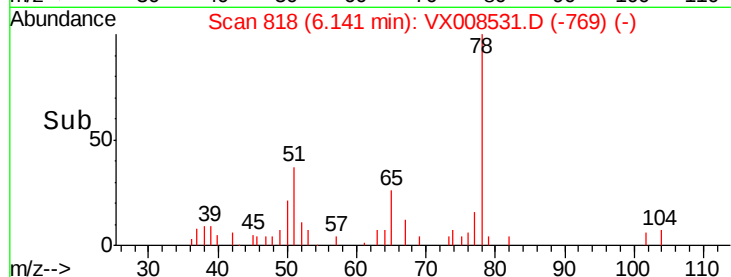
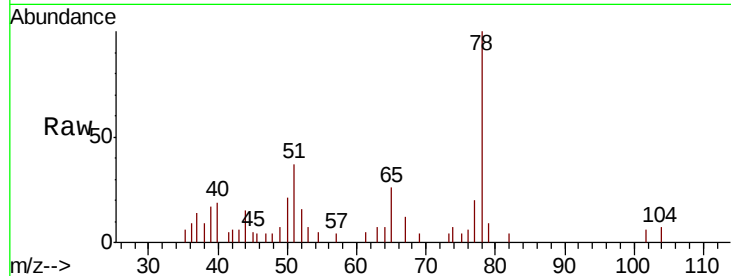




#40
Benzene
Concen: 0.266 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008531.D
Acq: 28 Mar 2019 19:42

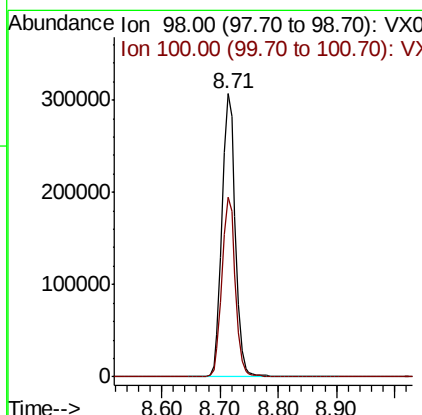
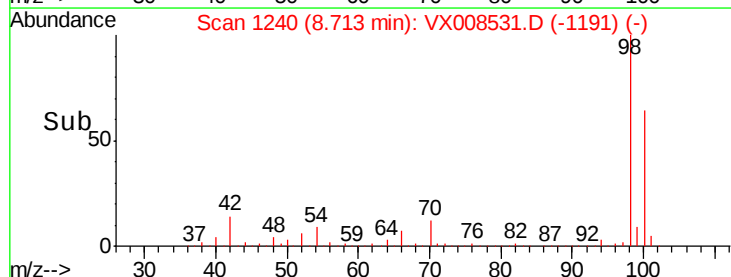
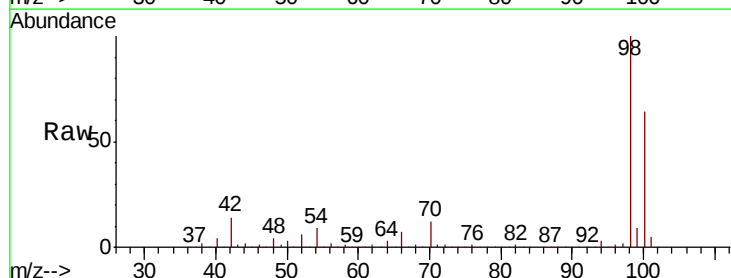
Instrument :
MSVOA_X
ClientSampleId :
DUPDL

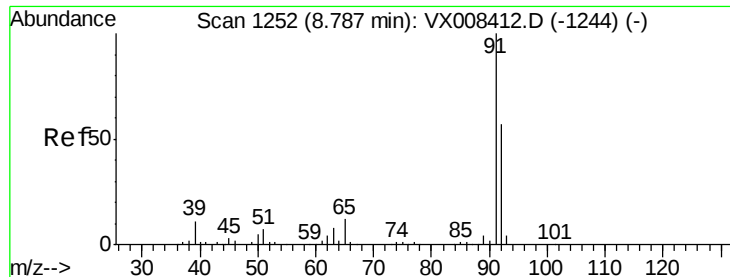
Tot Ion: 78 Resp: 3310
Ion Ratio Lower Upper
78 100
77 20.2 19.3 28.9



#50
Toluene-d8
Concen: 48.250 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008531.D
Acq: 28 Mar 2019 19:42

Tgt Ion: 98 Resp: 489523
Ion Ratio Lower Upper
98 100
100 63.5 51.1 76.7





#52

Toluene

Concen: 9.638 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampled :

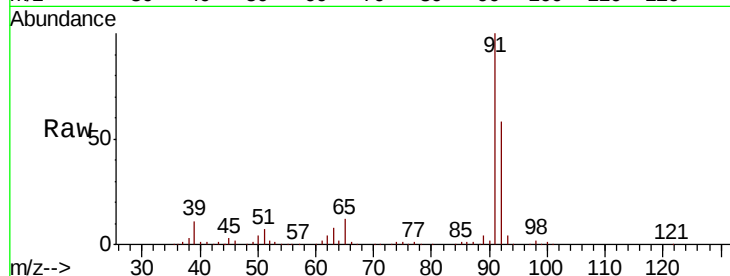
DUPDL

Tot Ion: 92 Resp: 71580

Ion Ratio Lower Upper

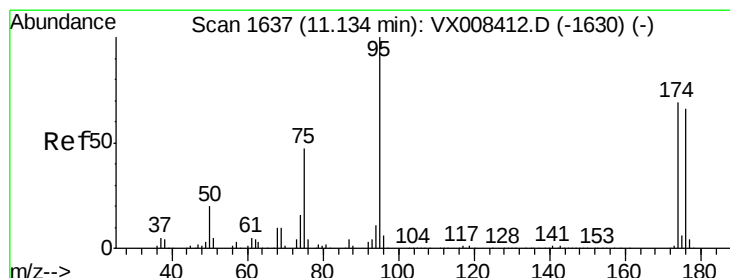
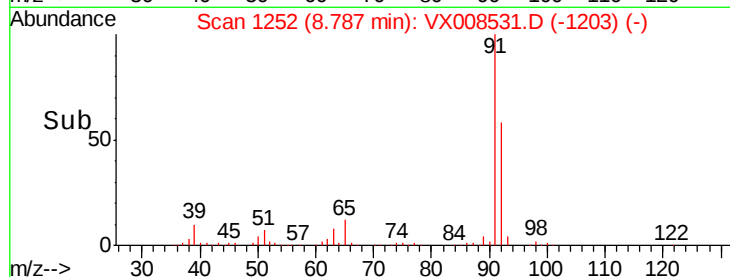
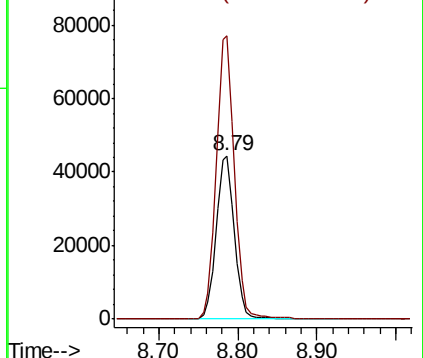
92 100

91 172.6 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 43.961 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

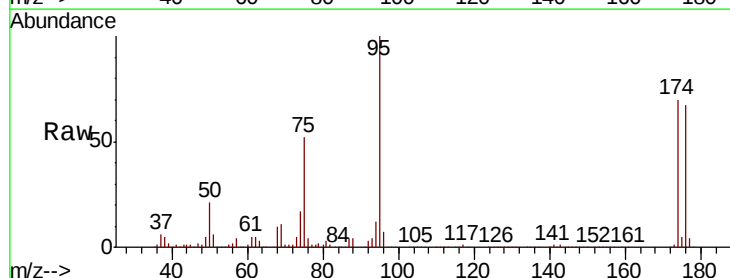
Tgt Ion: 95 Resp: 165274

Ion Ratio Lower Upper

95 100

174 74.1 0.0 147.2

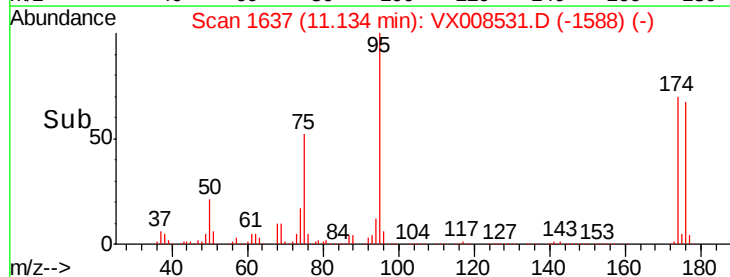
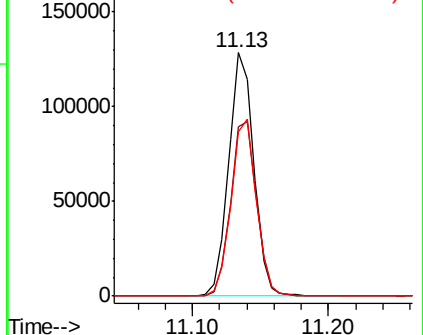
176 73.1 0.0 142.4

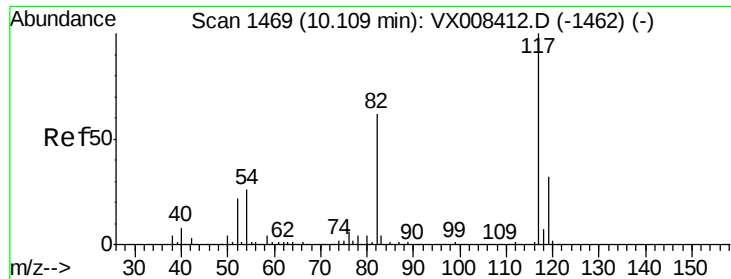


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

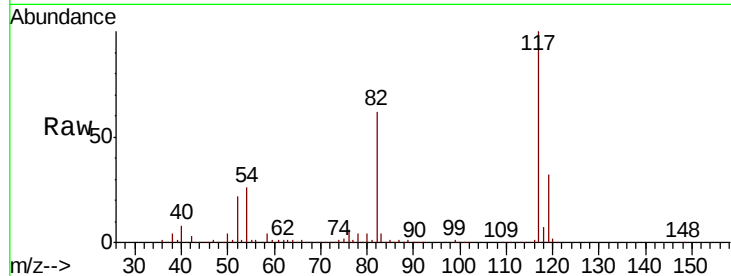




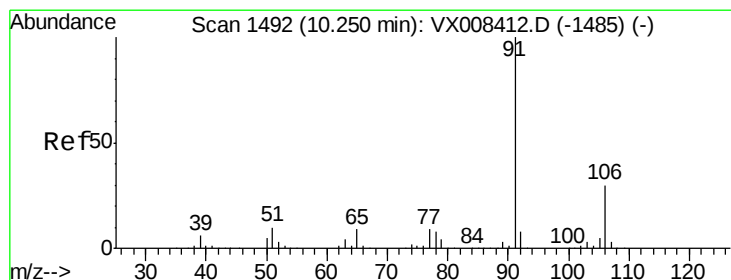
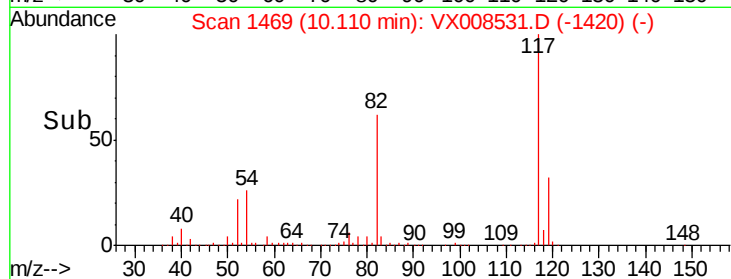
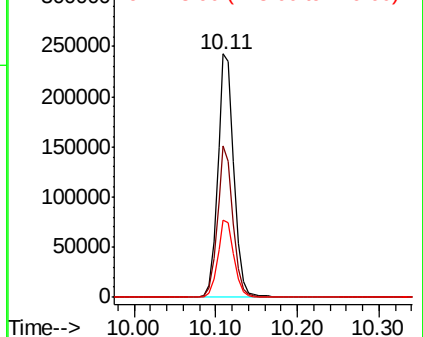
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008531.D
Acq: 28 Mar 2019 19:42

Instrument :
MSVOA_X
ClientSampleId :
DUPDL

Tot Ion:117 Resp: 335540
Ion Ratio Lower Upper
117 100
82 62.0 49.4 74.2
119 31.7 25.4 38.0

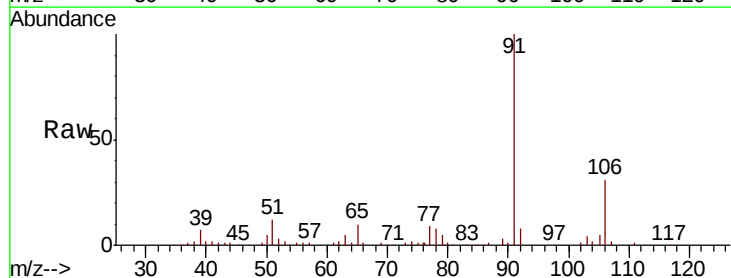


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

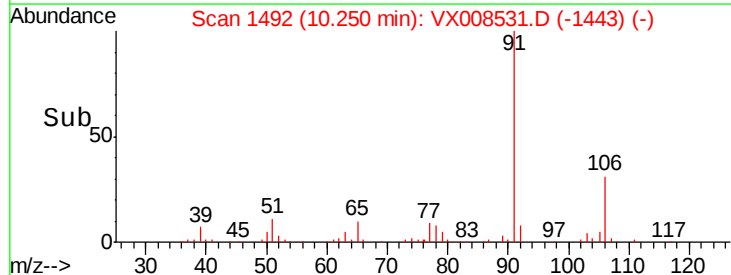
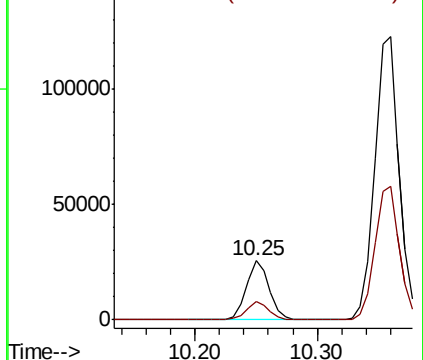


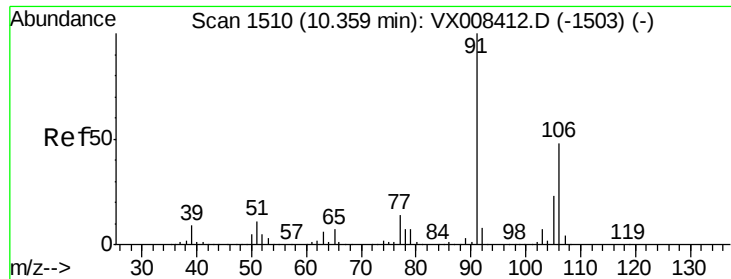
#67
Ethyl Benzene
Concen: 2.436 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX008531.D
Acq: 28 Mar 2019 19:42

Tgt Ion: 91 Resp: 33547
Ion Ratio Lower Upper
91 100
106 31.1 24.0 36.0



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

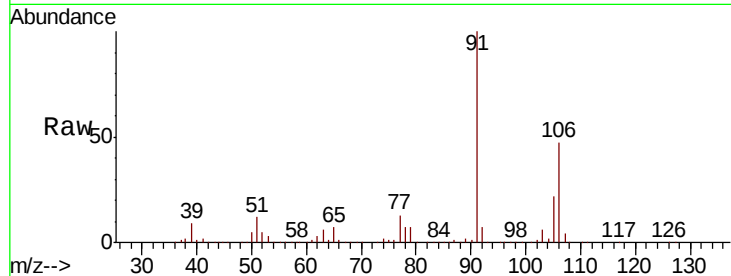




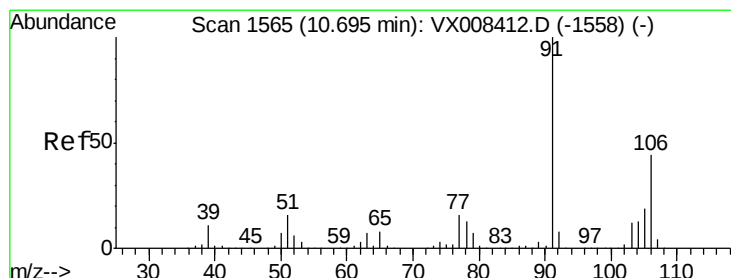
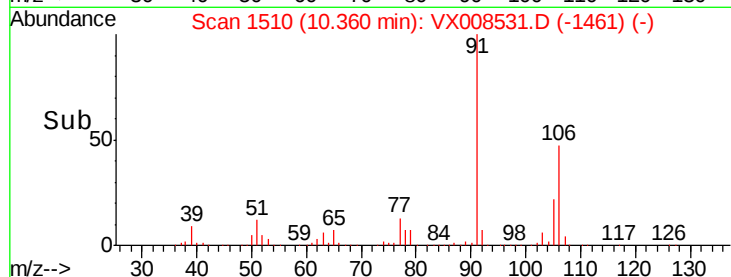
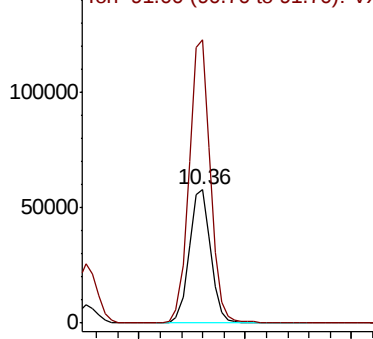
#68
m/p-Xvlenes
Concen: 16.219 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008531.D
Acq: 28 Mar 2019 19:42

Instrument :
MSVOA_X
ClientSampled :
DUPDL

Tot Ion:106 Resp: 81256
Ion Ratio Lower Upper
106 100
91 209.7 168.6 253.0

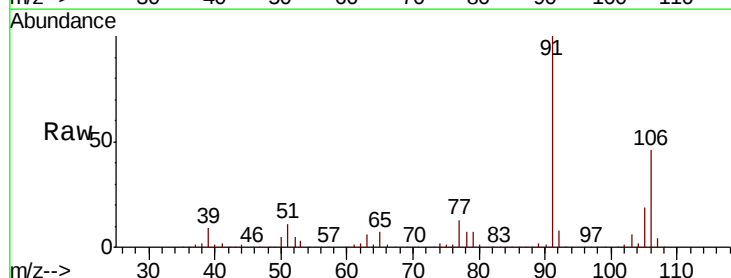


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

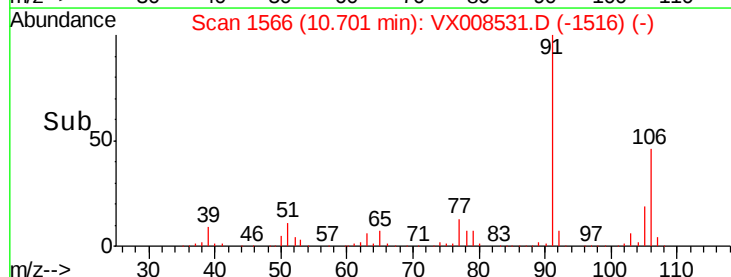
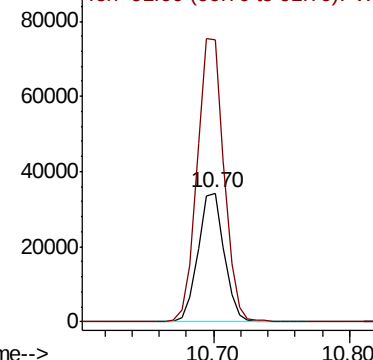


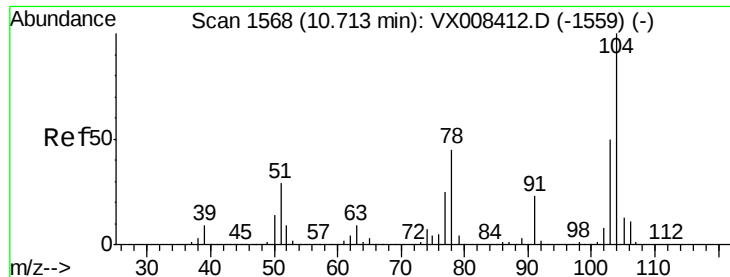
#69
o-Xylene
Concen: 9.451 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX008531.D
Acq: 28 Mar 2019 19:42

Tgt Ion:106 Resp: 45950
Ion Ratio Lower Upper
106 100
91 225.0 111.4 334.2



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





#70

Stvrene

Concen: 0.287 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.02 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

DUPDL

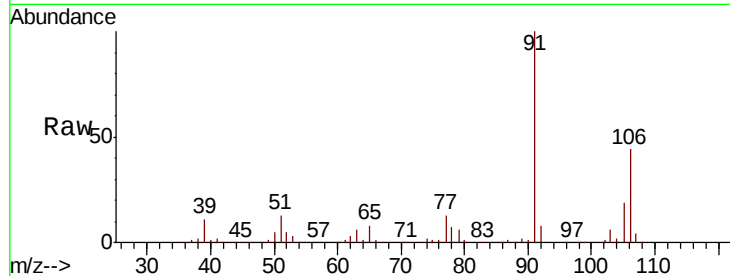
Tot Ion:104 Resp: 2412

Ion Ratio Lower Upper

104 100

78 303.9 42.5 63.7#

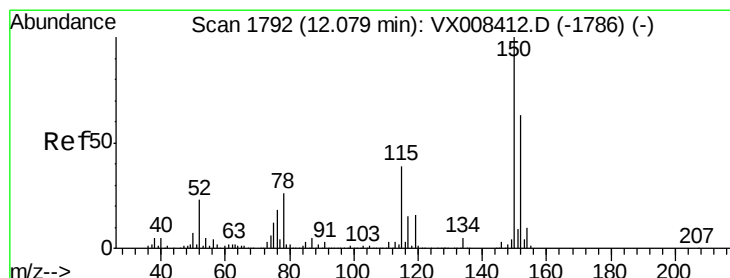
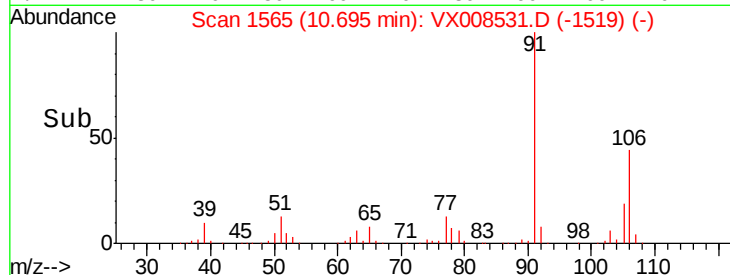
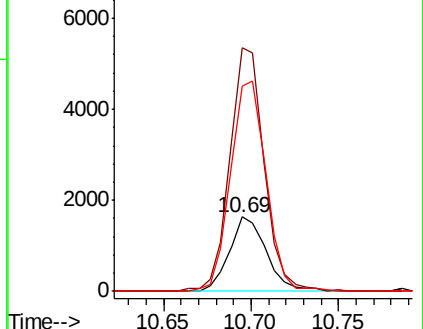
103 270.8 44.2 66.4#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

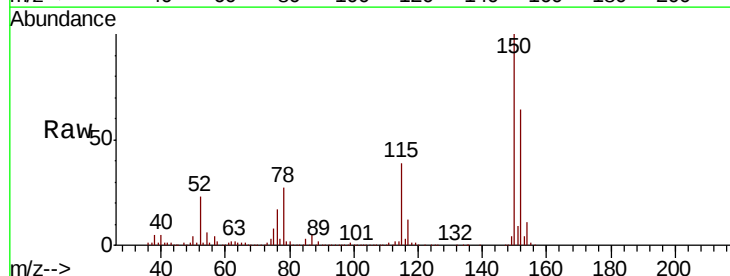
Tgt Ion:152 Resp: 140434

Ion Ratio Lower Upper

152 100

115 61.2 43.5 130.5

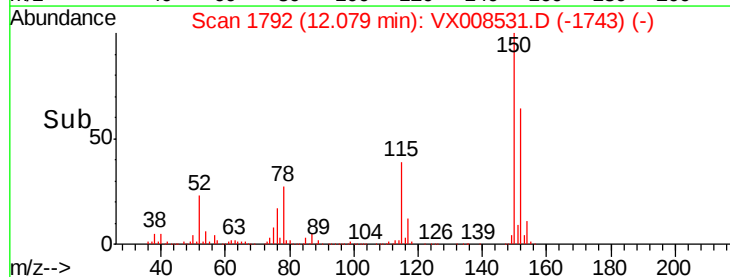
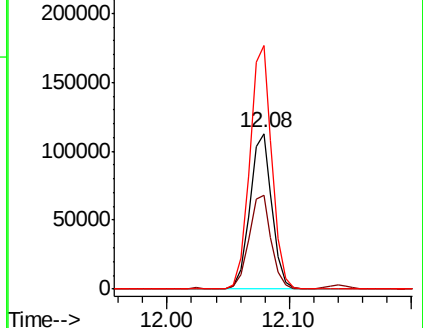
150 157.7 0.0 348.8

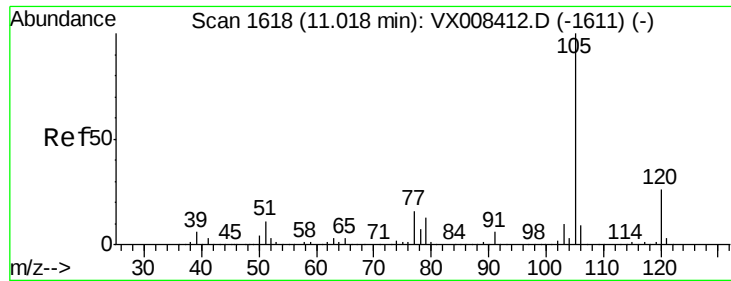


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.327 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

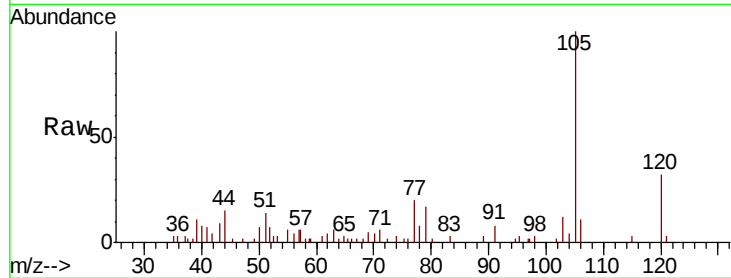
DUPDL

Tot Ion:105 Resp: 3738

Ion Ratio Lower Upper

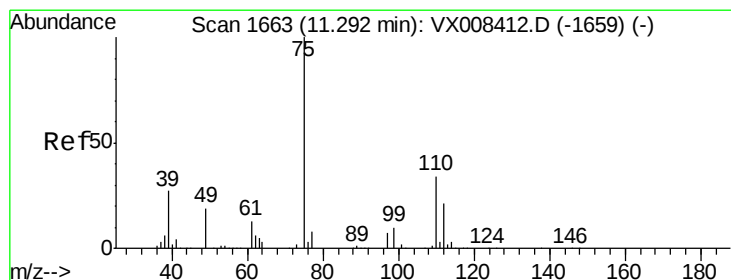
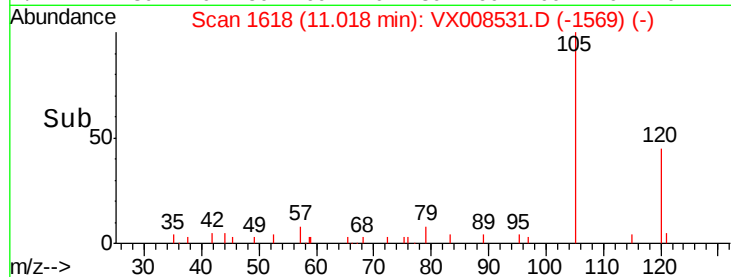
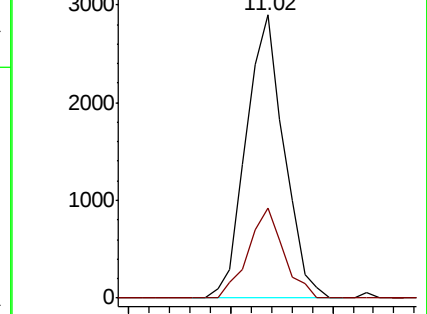
105 100

120 29.7 12.9 38.7



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: 20.104 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008531.D

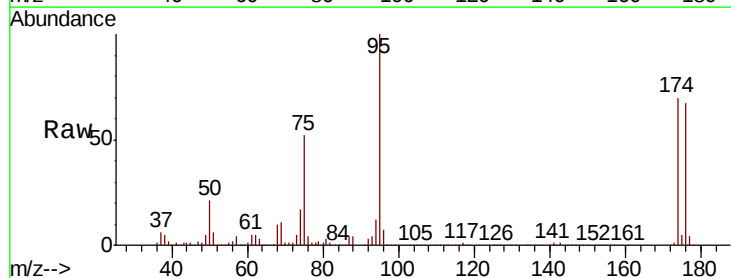
Acq: 28 Mar 2019 19:42

Tgt Ion: 75 Resp: 83934

Ion Ratio Lower Upper

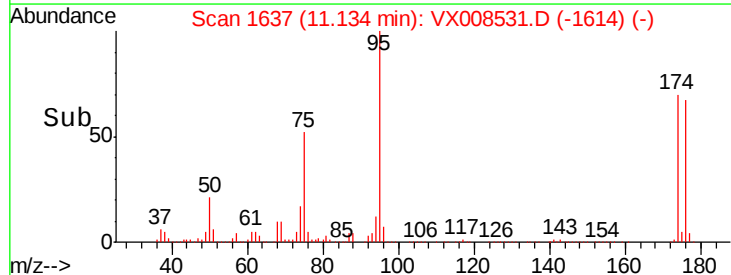
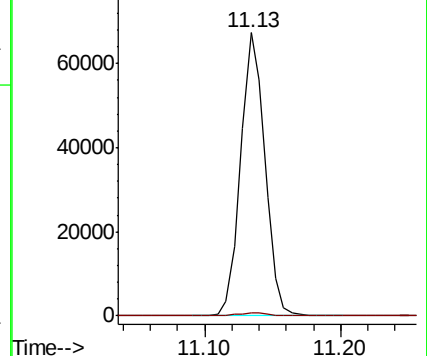
75 100

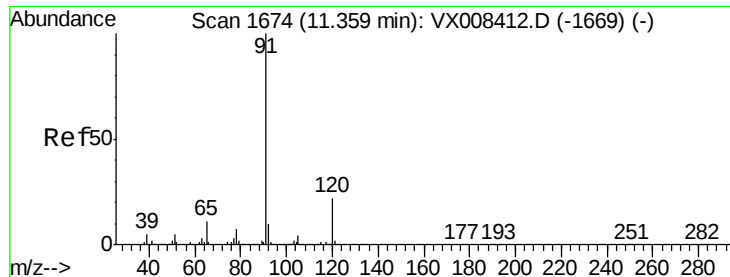
77 1.5 21.9 65.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.851 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampled :

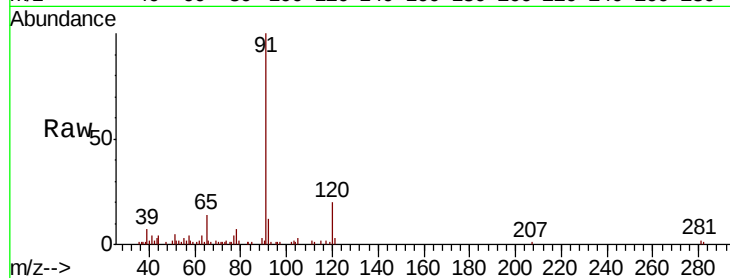
DUPDL

Tot Ion: 91 Resp: 11384

Ion Ratio Lower Upper

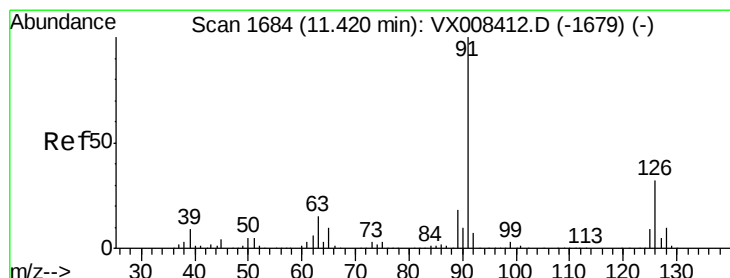
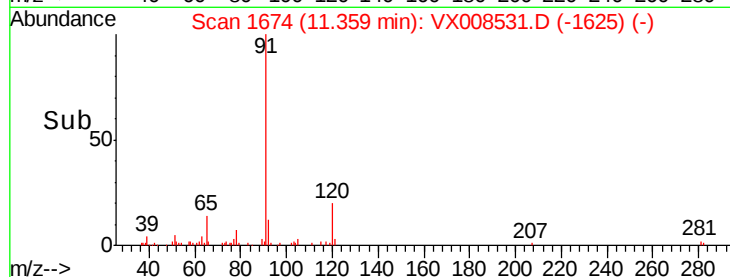
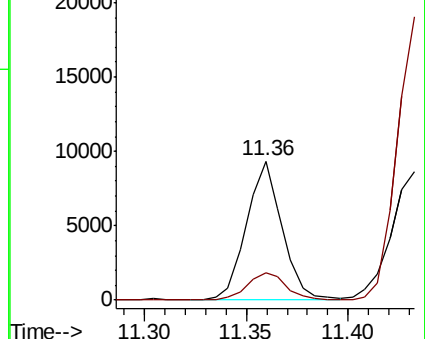
91 100

120 21.4 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 1.888 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX008531.D

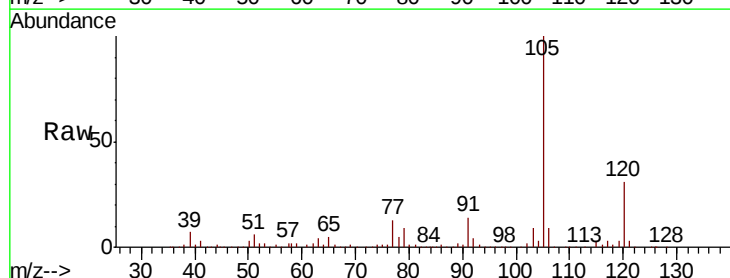
Acq: 28 Mar 2019 19:42

Tgt Ion: 91 Resp: 15369

Ion Ratio Lower Upper

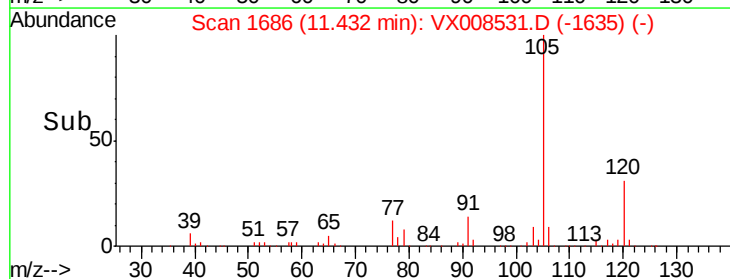
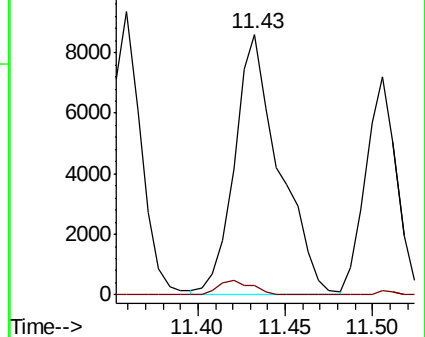
91 100

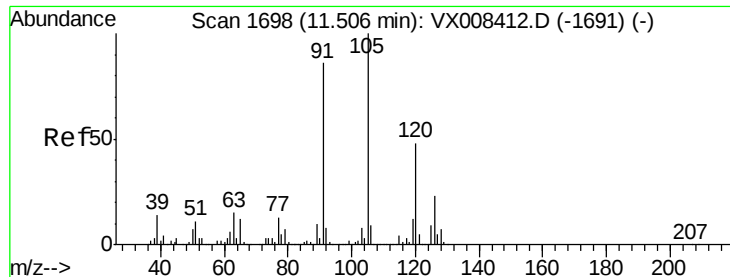
126 4.3 15.7 47.1#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 8.277 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

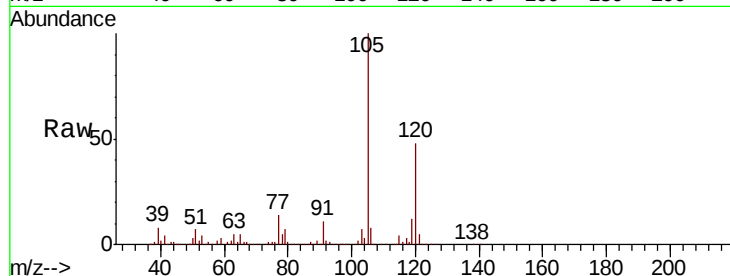
DUPDL

Tot Ion:105 Resp: 79944

Ion Ratio Lower Upper

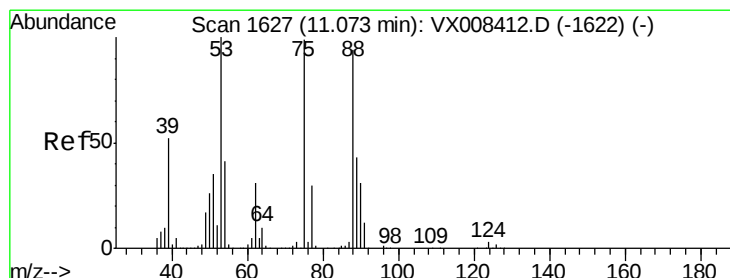
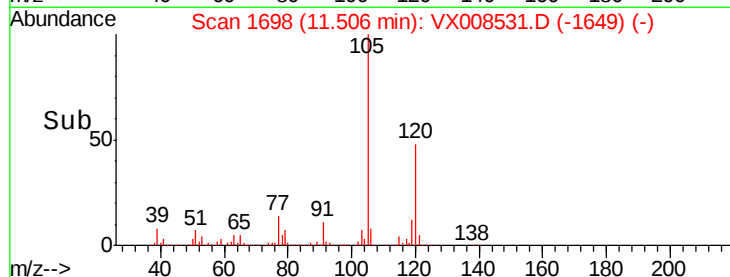
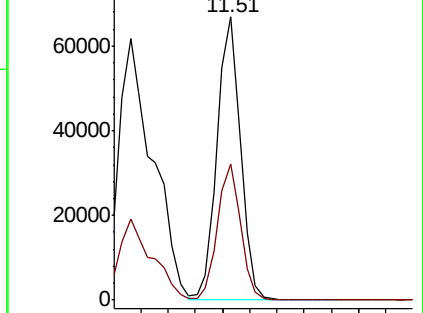
105 100

120 47.5 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 64.390 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

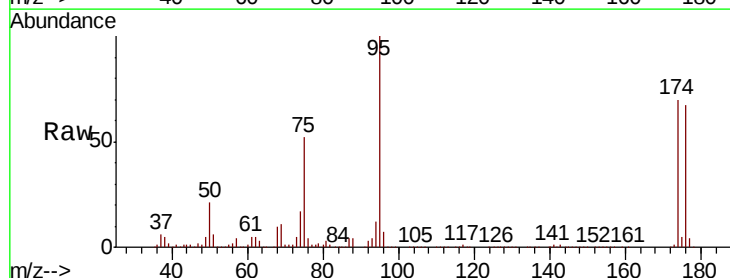
Tgt Ion: 75 Resp: 83934

Ion Ratio Lower Upper

75 100

53 0.3 82.1 123.1#

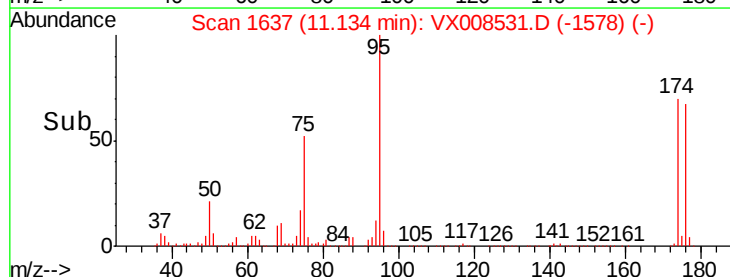
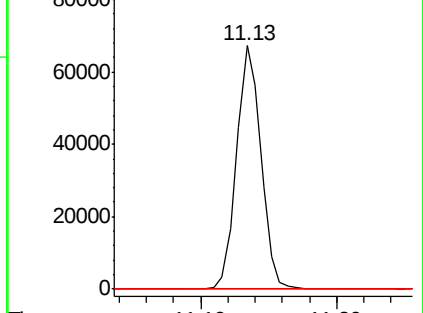
89 0.0 34.6 52.0#

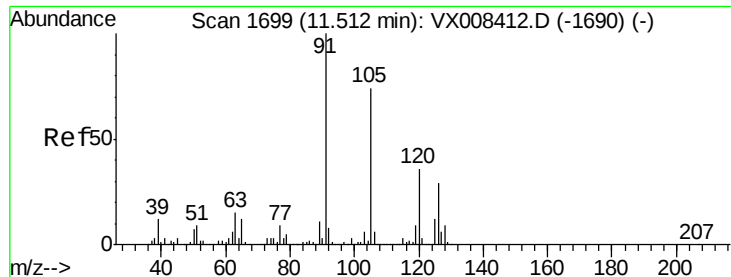


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#82

4-Chlorotoluene

Concen: 0.953 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampled :

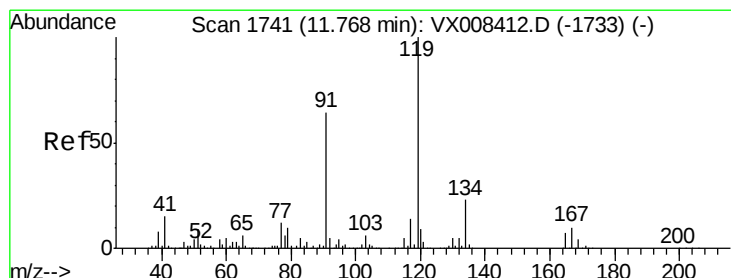
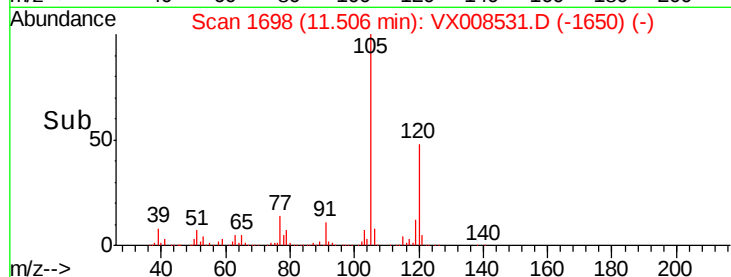
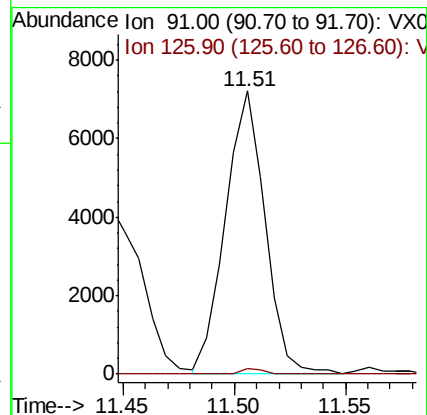
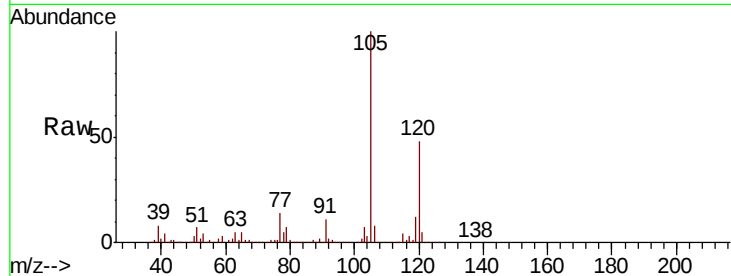
DUPDL

Tot Ion: 91 Resp: 8946

Ion Ratio Lower Upper

91 100

126 1.0 13.9 41.7#



#83

tert-Butylbenzene

Concen: 0.496 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

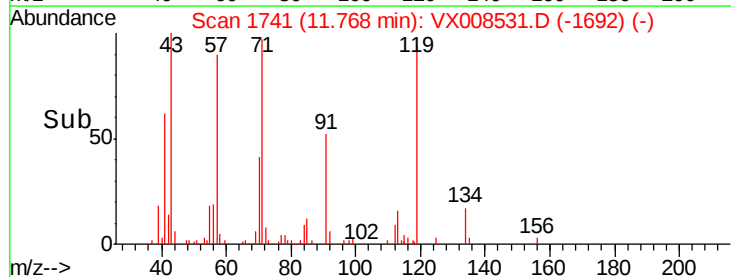
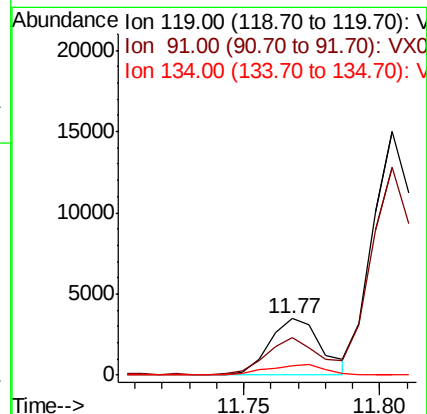
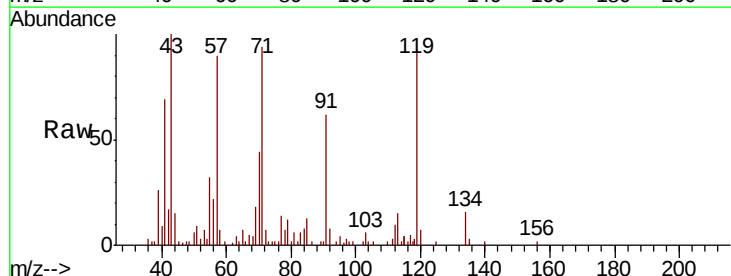
Tgt Ion: 119 Resp: 4618

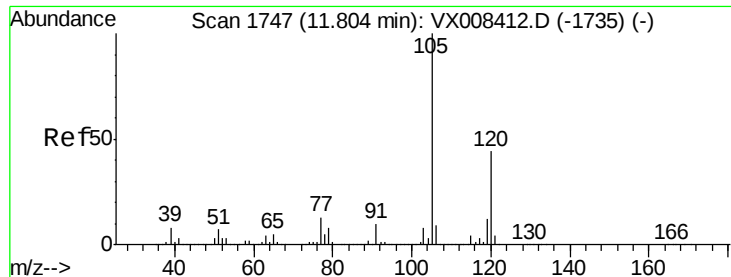
Ion Ratio Lower Upper

119 100

91 71.3 30.1 90.3

134 20.7 10.9 32.9

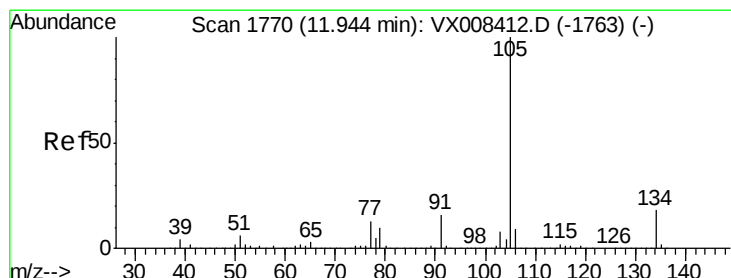
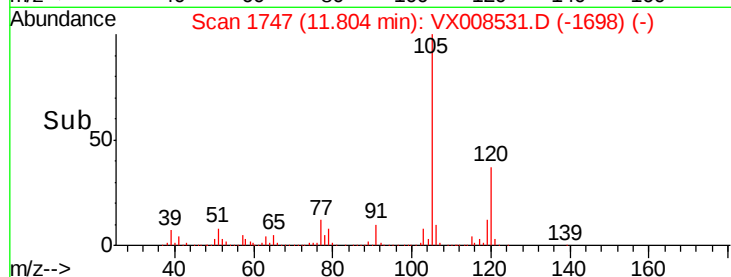
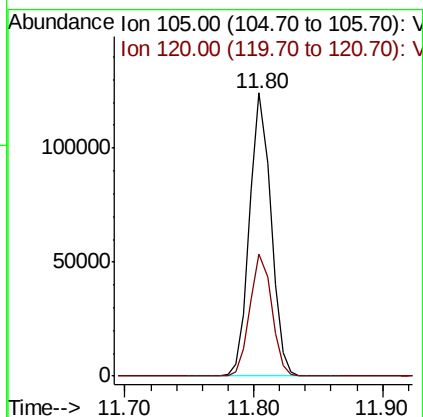
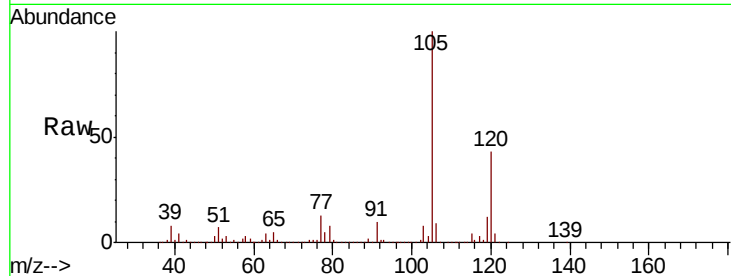




#84
 1,2,4-Trimethylbenzene
 Concen: 14.482 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX008531.D
 Acq: 28 Mar 2019 19:42

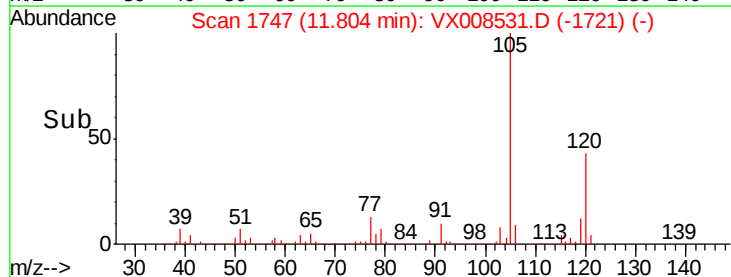
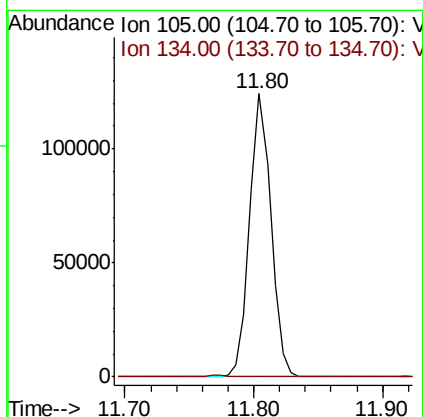
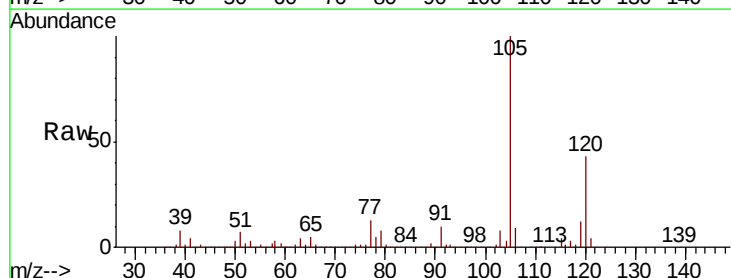
Instrument :
 MSVOA_X
 ClientSampled :
 DUPDL

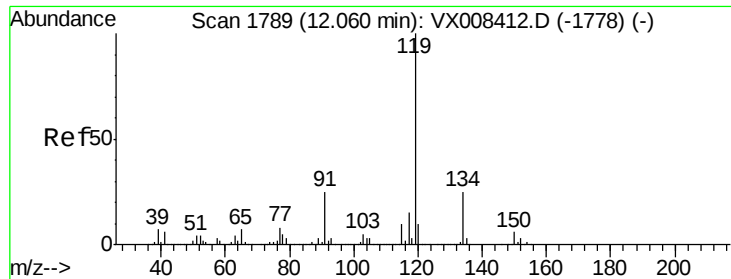
Tot Ion:105 Resp: 141483
 Ion Ratio Lower Upper
 105 100
 120 44.2 21.6 65.0



#85
 sec-Butylbenzene
 Concen: 12.749 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.14 min
 Lab File: VX008531.D
 Acq: 28 Mar 2019 19:42

Tgt Ion:105 Resp: 141483
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.3 28.0#

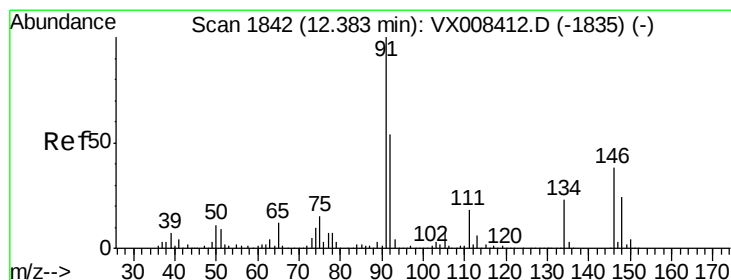
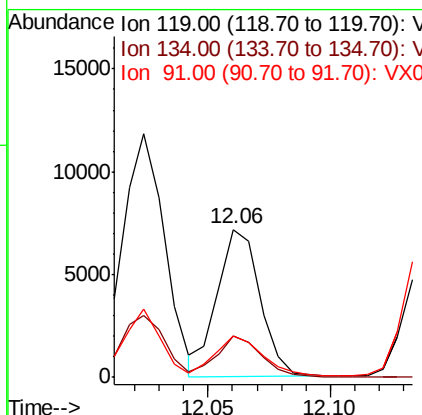
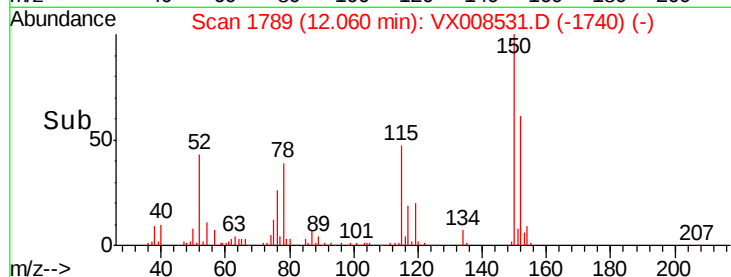
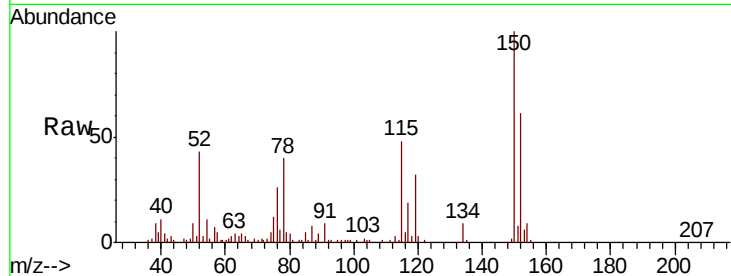




#86
p-Isopropyltoluene
Concen: 0.890 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX008531.D
Acq: 28 Mar 2019 19:42

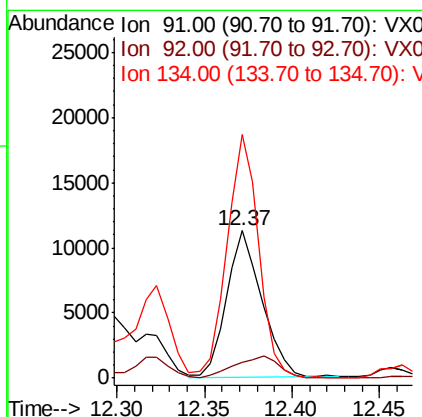
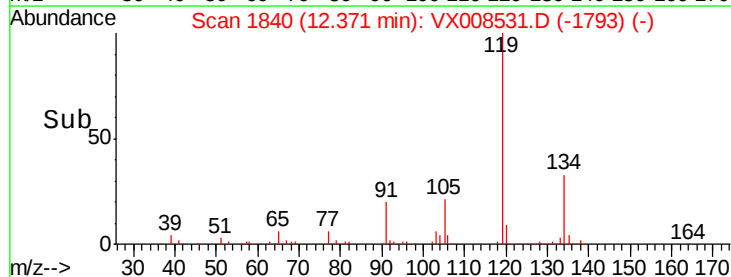
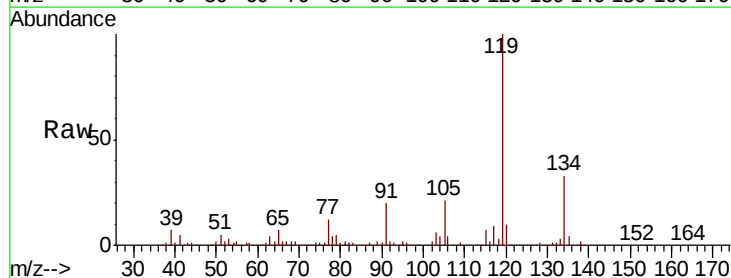
Instrument :
MSVOA_X
ClientSampleId :
DUPDL

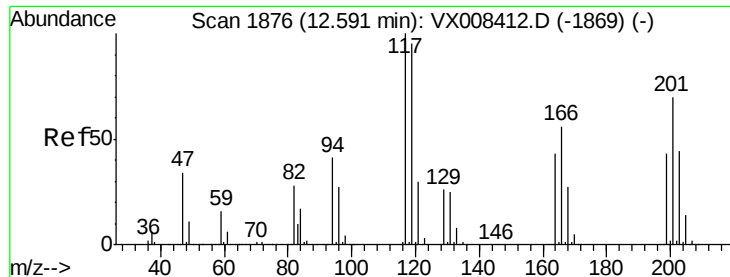
Tot Ion:119 Resp: 8715
Ion Ratio Lower Upper
119 100
134 29.0 12.8 38.4
91 32.8 12.4 37.0



#89
n-Butylbenzene
Concen: 1.703 ug/l
RT: 12.37 min Scan# 1840
Delta R.T. -0.01 min
Lab File: VX008531.D
Acq: 28 Mar 2019 19:42

Tgt Ion: 91 Resp: 15802
Ion Ratio Lower Upper
91 100
92 19.2 26.5 79.5#
134 148.8 11.8 35.4#





#90

Hexachloroethane

Concen: 1.351 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

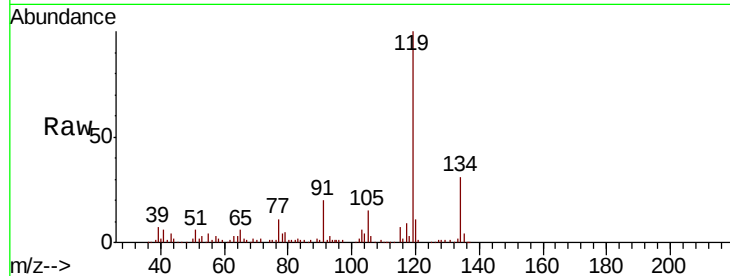
DUPDL

Tot Ion:117 Resp: 2204

Ion Ratio Lower Upper

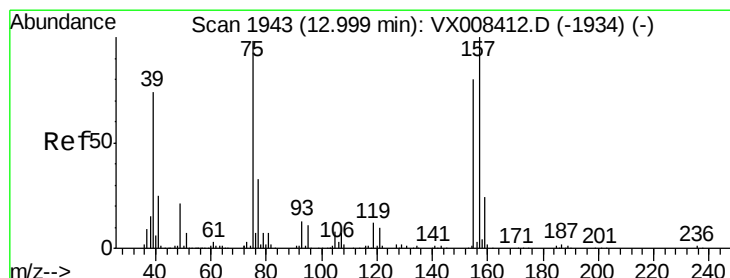
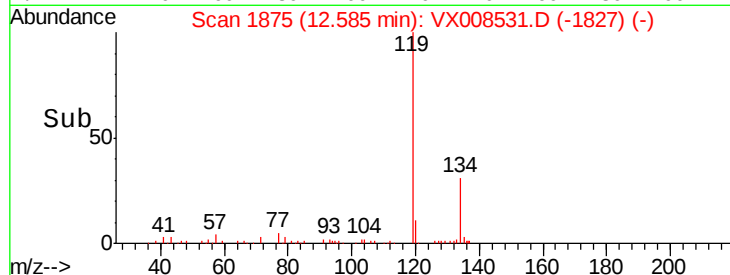
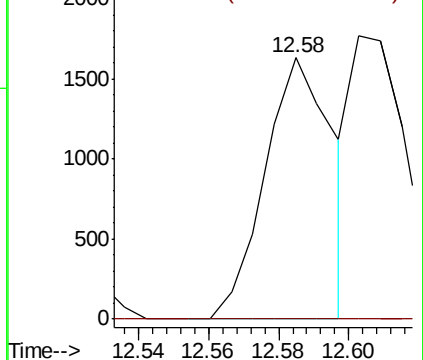
117 100

201 0.0 39.4 118.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.530 ug/l

RT: 13.01 min Scan# 1945

Delta R.T. 0.01 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

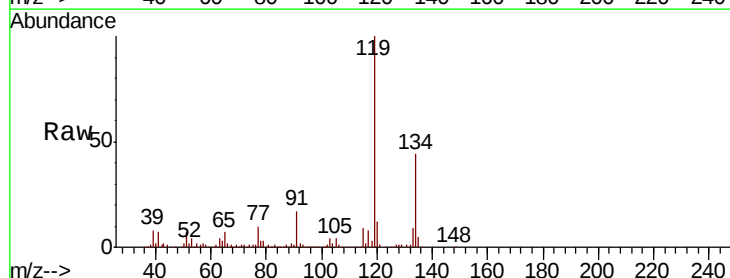
Tgt Ion: 75 Resp: 512

Ion Ratio Lower Upper

75 100

155 0.0 39.5 118.5#

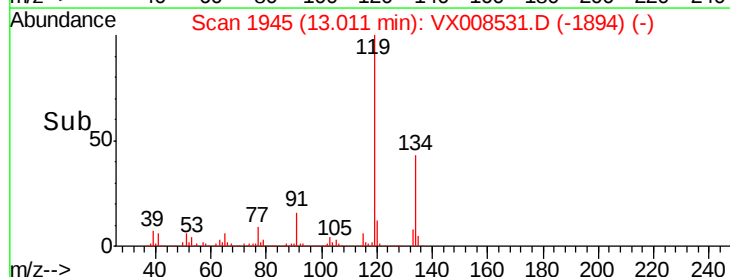
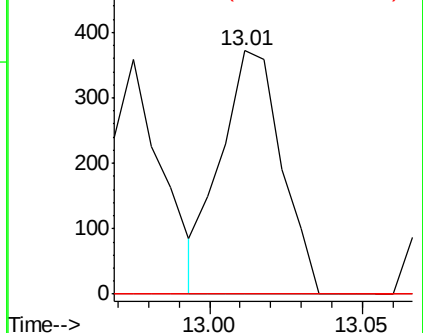
157 0.0 49.9 149.7#

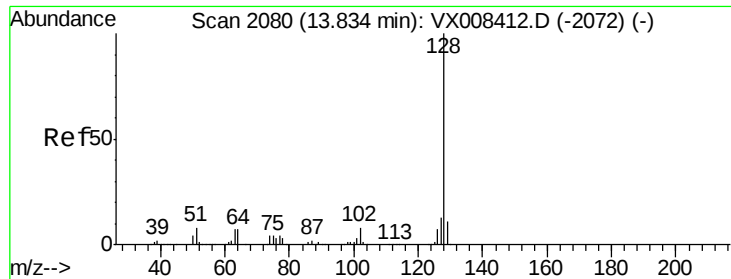


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 3.272 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008531.D

Acq: 28 Mar 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

DUPDL

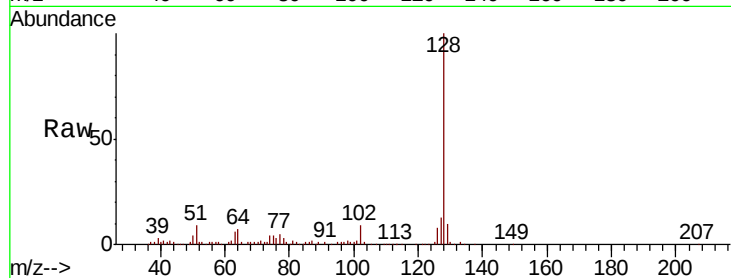
Tot Ion:128 Resp: 37468

Ion Ratio Lower Upper

128 100

127 13.7 10.4 15.6

129 11.4 8.7 13.1



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

