

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062718\
 Data File : VX002959.D
 Acq On : 28 Jun 2018 02:13
 Operator : JC/MD
 Sample : J3631-04 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S83-0019DL

Quant Time: Jun 28 06:50:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	277183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	390204	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	361509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	217201	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	184019	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
35) Dibromofluoromethane	5.51	113	145168	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	
50) Toluene-d8	8.72	98	545743	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
62) 4-Bromofluorobenzene	11.14	95	204893	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	97	Below Cal	#	43
3) Chloromethane	1.33	50	623	Below Cal	#	88
5) Bromomethane	1.66	94	1868	Below Cal		90
6) Chloroethane	1.71	64	317	Below Cal	#	43
10) Methyl Iodide	2.52	142	2121	6.82	ug/l #	86
11) Tert butyl alcohol	3.02	59	1989	2.61	ug/l #	73
13) Acrolein	2.31	56	320	4.97	ug/l #	81
14) Allyl chloride	2.84	41	4909	0.91	ug/l #	68
15) Acrylonitrile	3.16	53	496	0.30	ug/l #	46
16) Acetone	2.45	43	2193	1.38	ug/l	97
18) Methyl Acetate	2.84	43	11875	2.68	ug/l #	56
20) Methylene Chloride	2.86	84	1544	0.50	ug/l #	86
29) Tetrahydrofuran	5.18	42	395	0.26	ug/l #	84
31) Cyclohexane	5.58	56	25509	5.31	ug/l	98
36) 1,1-Dichloropropene	5.67	75	18450	4.31	ug/l #	51
38) Carbon Tetrachloride	5.67	117	25255	5.38	ug/l #	16
39) Methylcyclohexane	7.46	83	25281	5.07	ug/l	97
40) Benzene	6.15	78	299637	24.10	ug/l	99
42) 1,2-Dichloroethane	6.15	62	2699	0.54	ug/l #	77
48) Methyl methacrylate	7.74	41	2196	0.55	ug/l #	60
51) 4-Methyl-2-Pentanone	8.68	43	1430	0.30	ug/l #	39
52) Toluene	8.79	92	11622	1.46	ug/l	99
55) 1,1,2-Trichloroethane	9.16	97	3747	1.14	ug/l #	18
56) Ethyl methacrylate	9.16	69	1012	0.21	ug/l #	7
67) Ethyl Benzene	10.26	91	328983	21.69	ug/l	99
68) m/p-Xylenes	10.36	106	191303	32.72	ug/l	100
69) o-Xylene	10.70	106	21624	3.80	ug/l	98
73) Isopropylbenzene	11.02	105	38771	2.65	ug/l	100
76) 1,2,3-Trichloropropane	11.14	75	104806	26.64	ug/l #	33
78) n-propylbenzene	11.37	91	43577	2.62	ug/l	98
79) 2-Chlorotoluene	11.44	91	16186	1.61	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.51	105	121033	9.83	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.14	75	104806	75.46	ug/l #	7
82) 4-Chlorotoluene	11.51	91	13886	1.16	ug/l #	46

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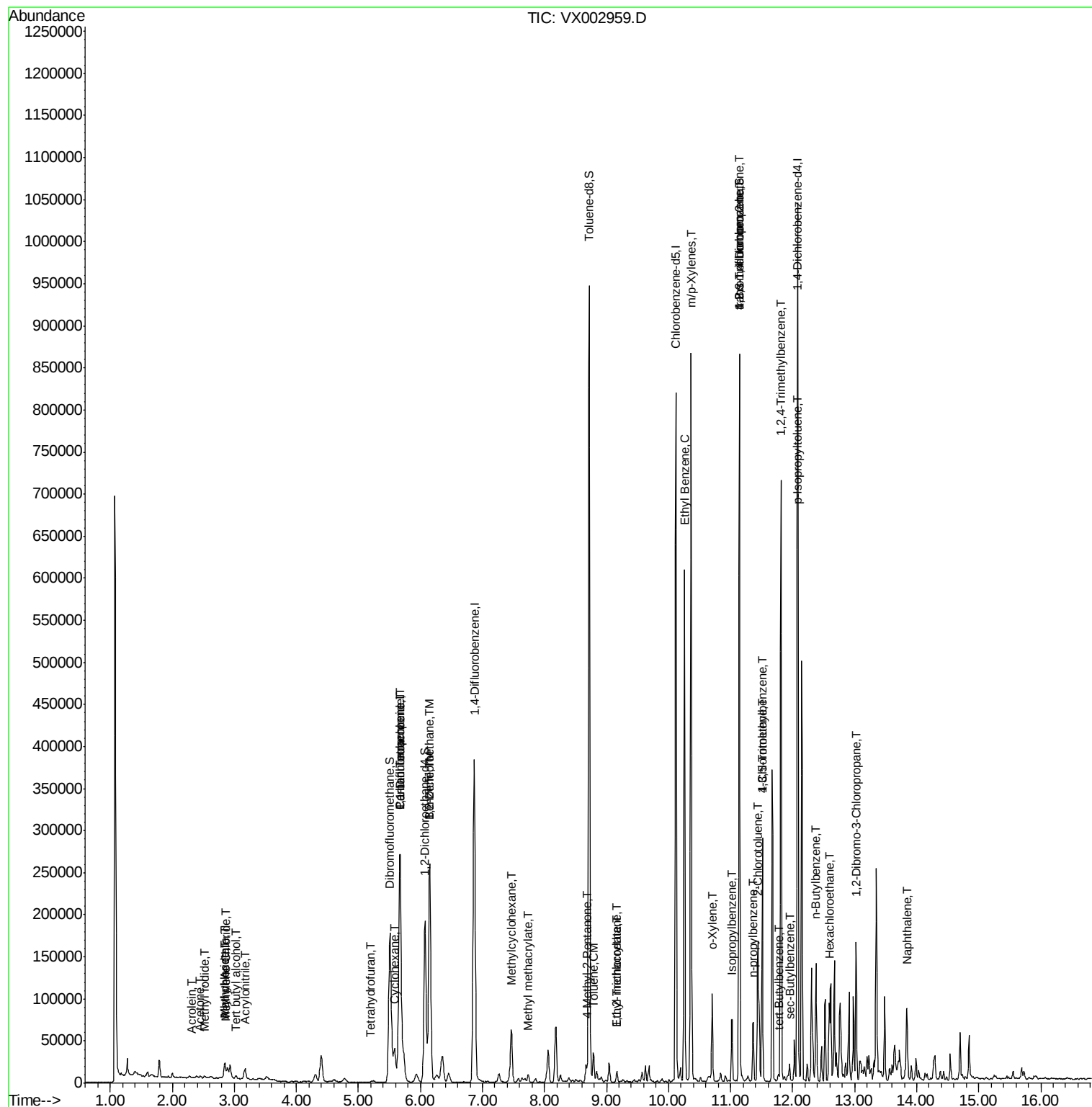
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	11.77	119	2579	0.21	ug/l	83
84) 1,2,4-Trimethylbenzene	11.81	105	296754	23.27	ug/l	98
85) sec-Butylbenzene	11.95	105	9946	0.68	ug/l	84
86) p-Isopropyltoluene	12.07	119	12835	0.97	ug/l	95
89) n-Butylbenzene	12.38	91	14623	1.27	ug/l #	1
90) Hexachloroethane	12.59	117	3542	1.80	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.02	75	589	0.58	ug/l #	1
95) Naphthalene	13.84	128	54908	3.69	ug/l	98

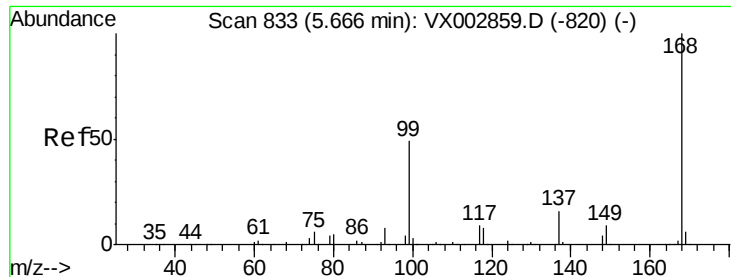
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX002959.D

Acq: 28 Jun 2018 02:13

Instrument :

MSVOA_X

ClientSampled :

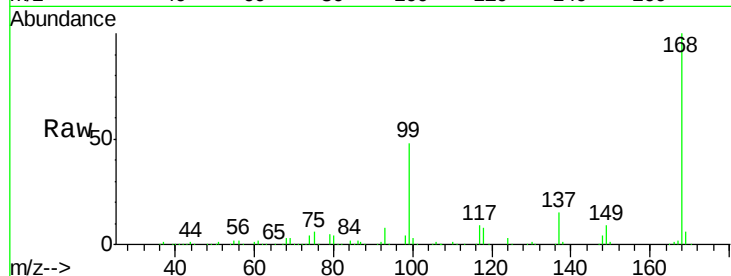
S83-0019DL

Tot Ion:168 Resp: 277183

Ion Ratio Lower Upper

168 100

99 48.3 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

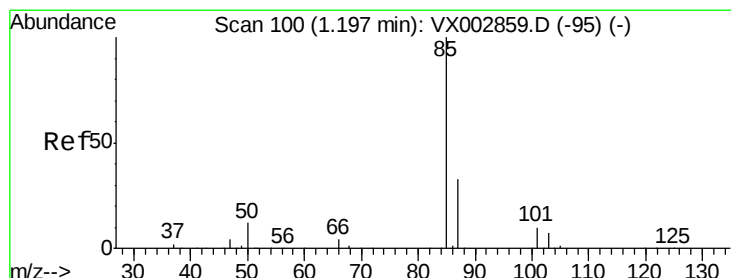
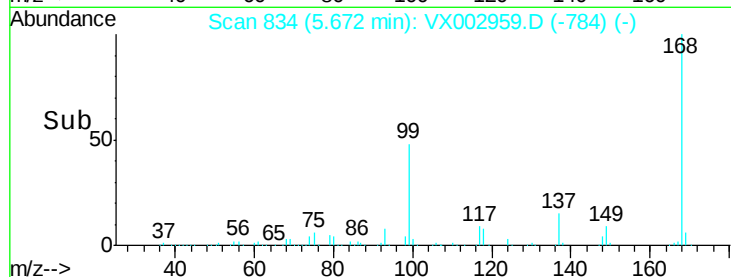
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002959.D

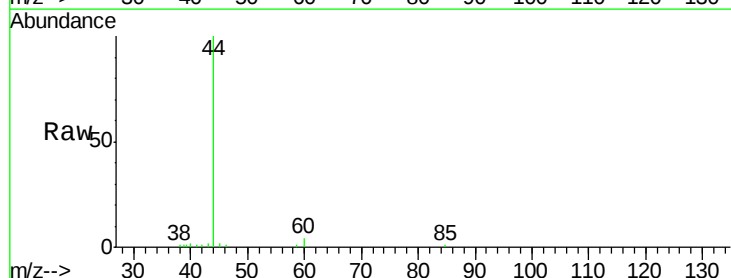
Acq: 28 Jun 2018 02:13

Tgt Ion: 85 Resp: 97

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120

100

80

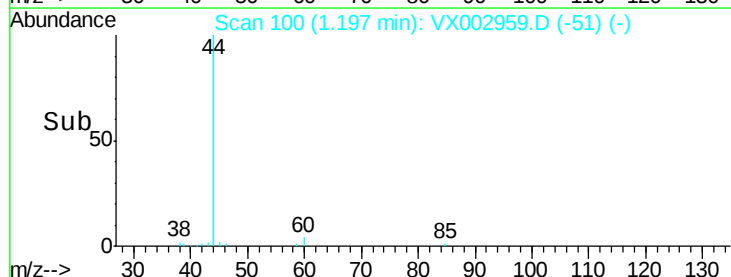
60

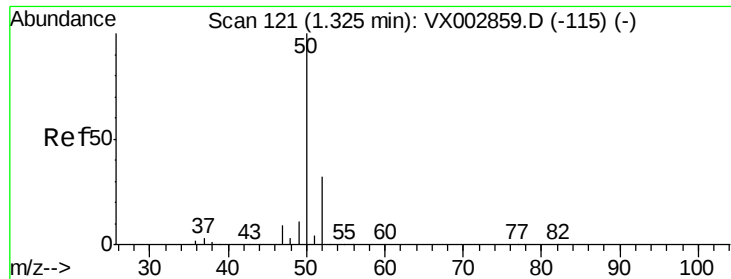
40

20

0

Time--> 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002959.D

Acq: 28 Jun 2018 02:13

Instrument :

MSVOA_X

ClientSampled :

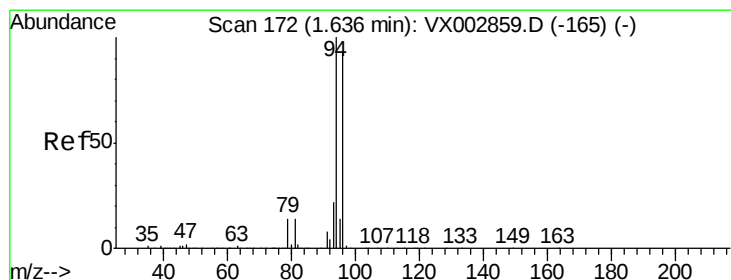
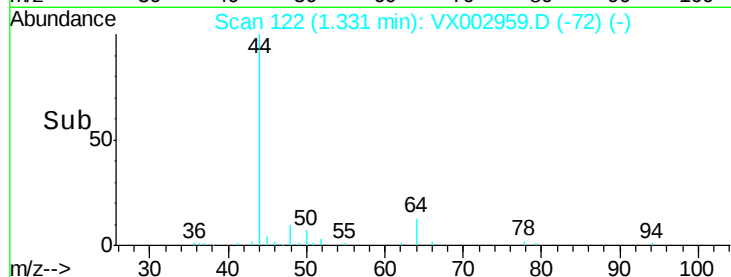
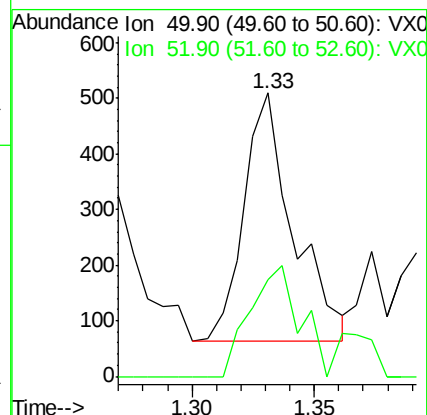
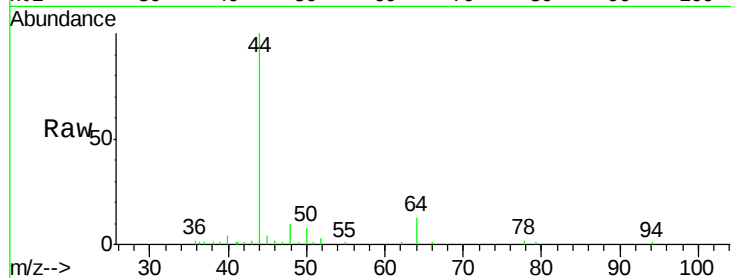
S83-0019DL

Tot Ion: 50 Resp: 623

Ion Ratio Lower Upper

50 100

52 38.9 25.7 38.5#



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX002959.D

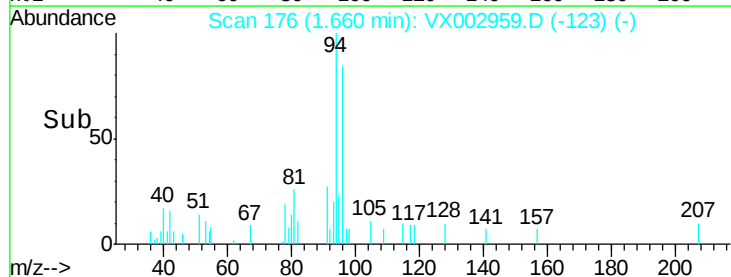
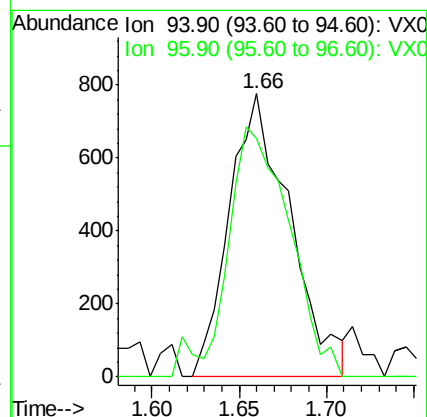
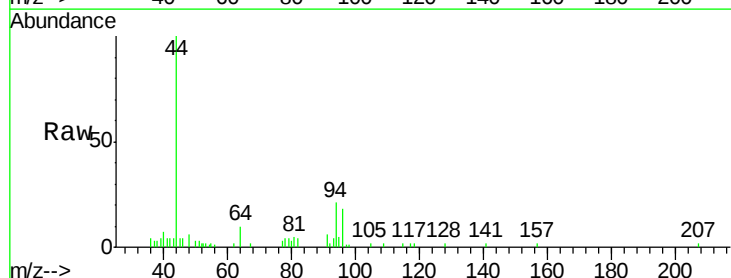
Acq: 28 Jun 2018 02:13

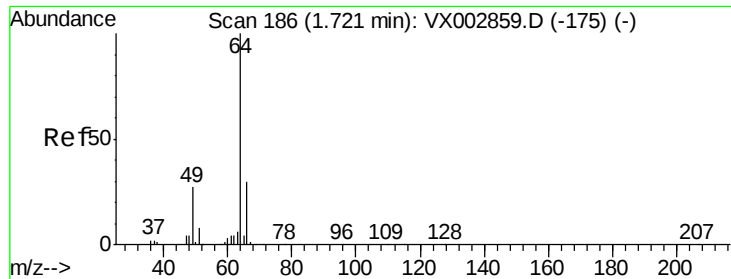
Tgt Ion: 94 Resp: 1868

Ion Ratio Lower Upper

94 100

96 84.3 74.9 112.3





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX002959.D

Acq: 28 Jun 2018 02:13

Instrument :

MSVOA_X

ClientSampleId :

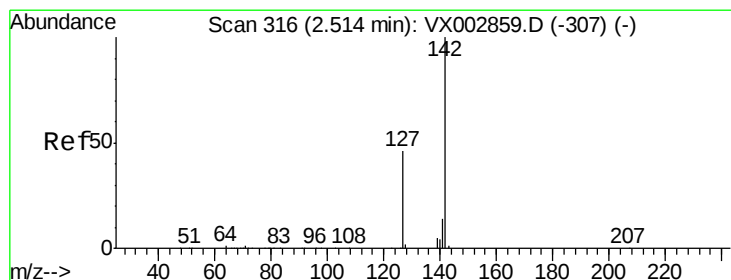
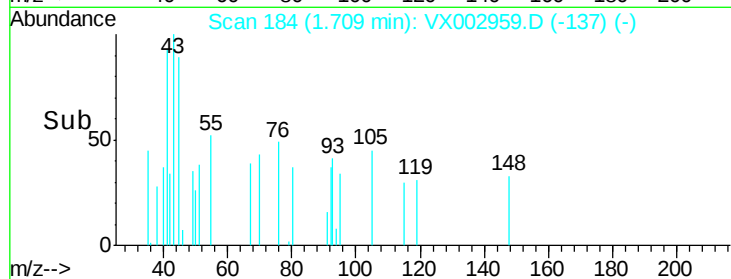
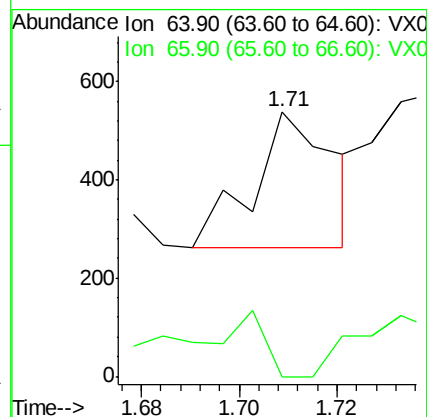
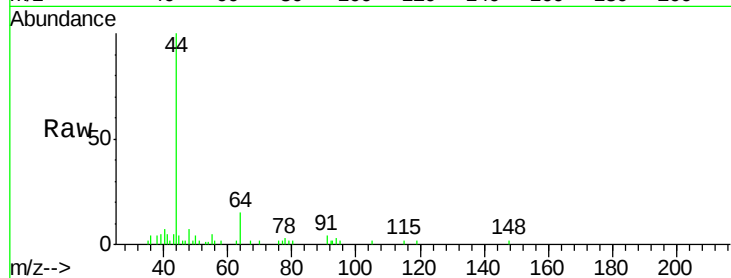
S83-0019DL

Tot Ion: 64 Resp: 317

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



#10

Methyl Iodide

Concen: 6.82 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002959.D

Acq: 28 Jun 2018 02:13

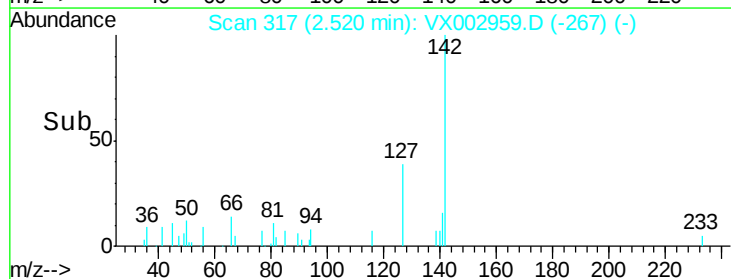
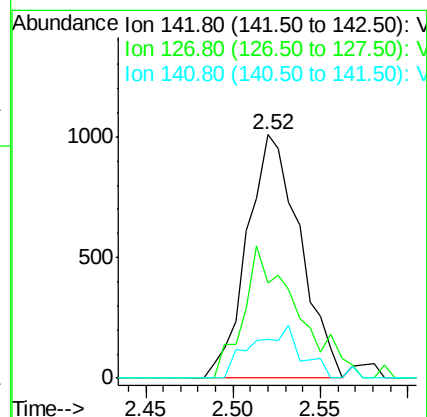
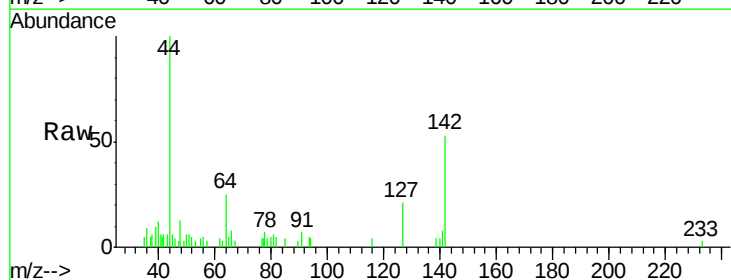
Tgt Ion:142 Resp: 2121

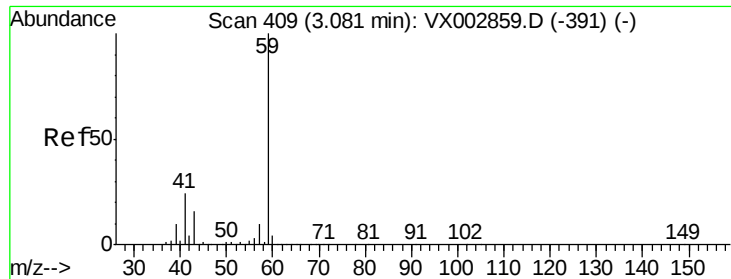
Ion Ratio Lower Upper

142 100

127 55.0 36.6 55.0#

141 20.0 11.3 16.9#

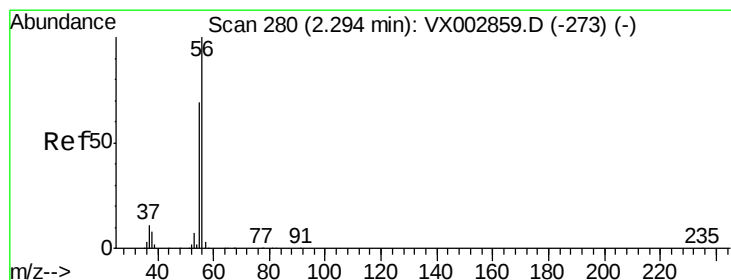
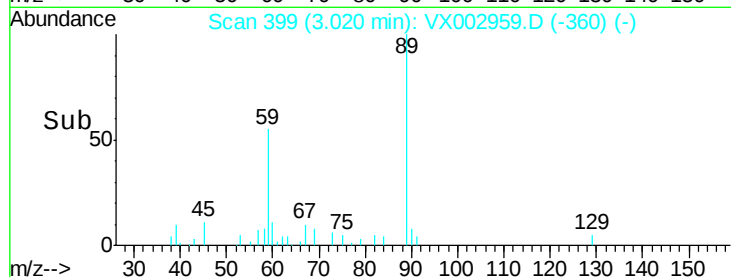
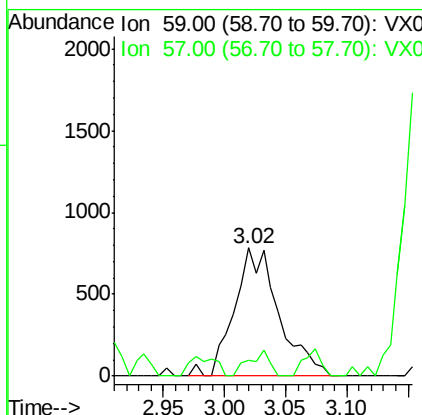
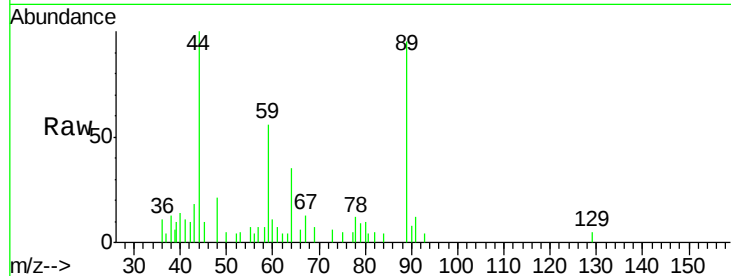




#11
Tert butyl alcohol
Concen: 2.61 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.06 min
Lab File: VX002959.D
Acq: 28 Jun 2018 02:13

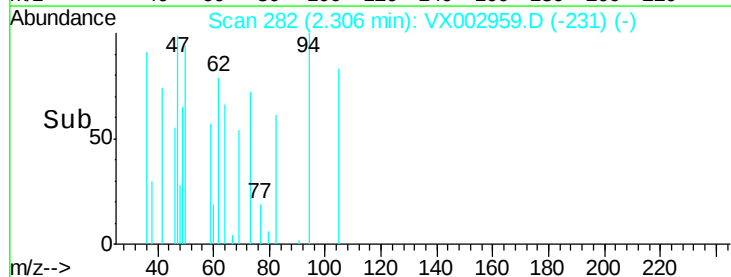
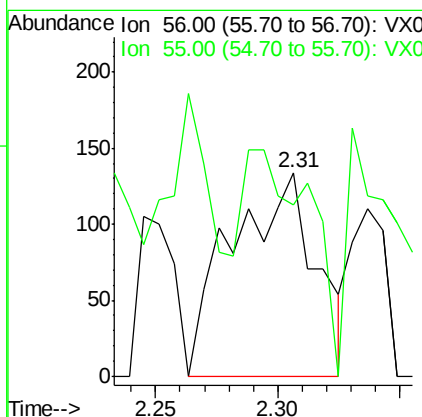
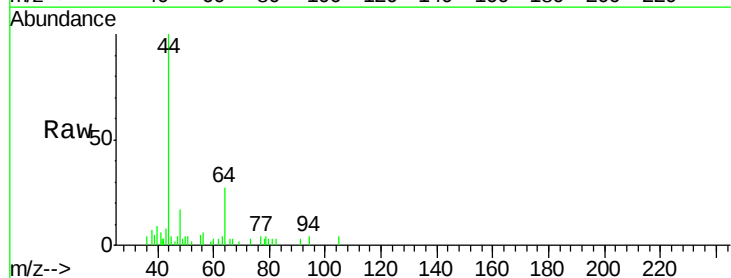
Instrument :
MSVOA_X
ClientSampled :
S83-0019DL

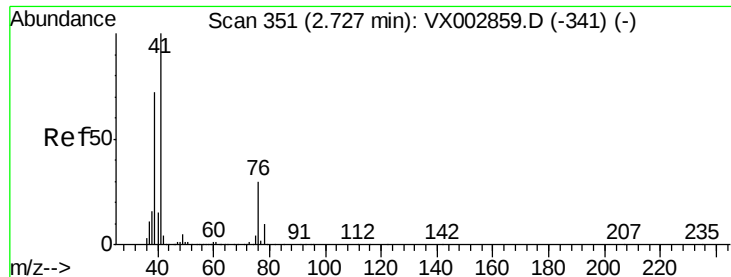
Tot Ion: 59 Resp: 1989
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 4.97 ug/l
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX002959.D
Acq: 28 Jun 2018 02:13

Tgt Ion: 56 Resp: 320
Ion Ratio Lower Upper
56 100
55 86.9 57.0 85.4#





#14

Allvl chloride

Concen: 0.91 ug/l

RT: 2.84 min Scan# 369

Delta R.T. 0.11 min

Lab File: VX002959.D

Acq: 28 Jun 2018 02:13

Instrument :

MSVOA_X

ClientSampled :

S83-0019DL

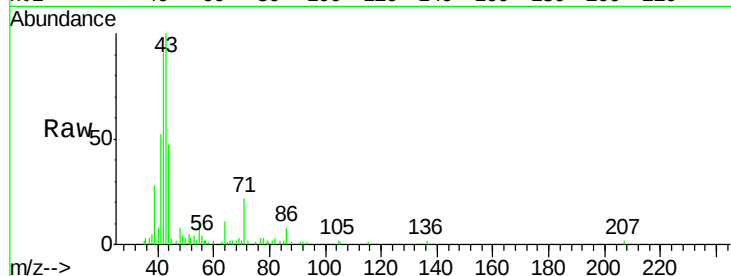
Tot Ion: 41 Resp: 4909

Ion Ratio Lower Upper

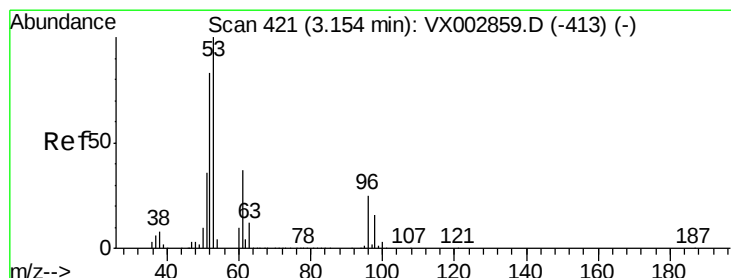
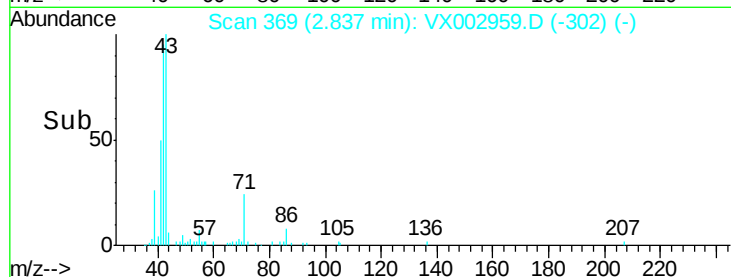
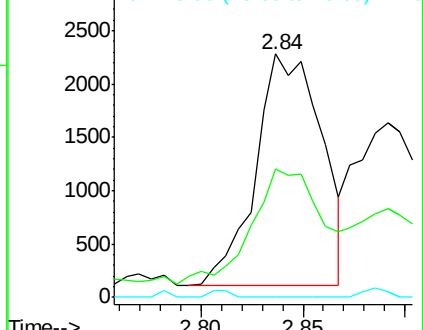
41 100

39 52.5 56.8 85.2#

76 0.0 23.8 35.8#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0



#15

Acrylonitrile

Concen: 0.30 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX002959.D

Acq: 28 Jun 2018 02:13

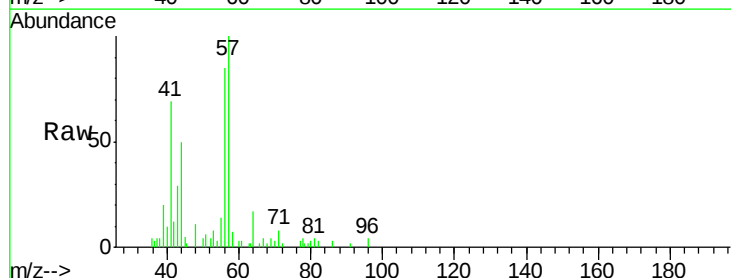
Tgt Ion: 53 Resp: 496

Ion Ratio Lower Upper

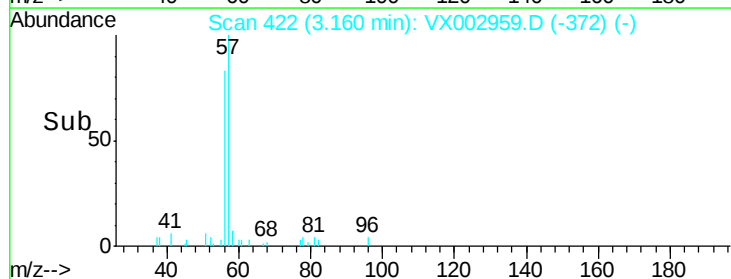
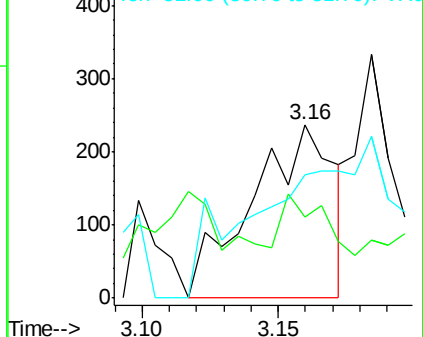
53 100

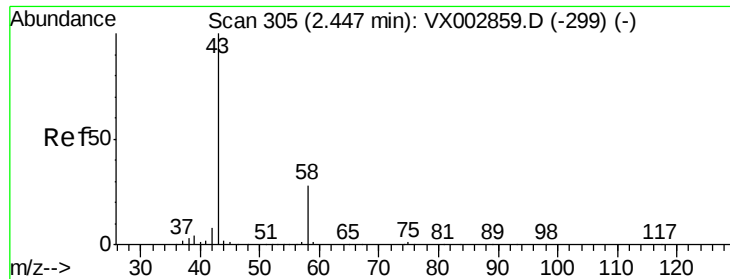
52 38.1 66.7 100.1#

51 0.0 29.9 44.9#



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 1.38 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX002959.D

Acq: 28 Jun 2018 02:13

Instrument :

MSVOA_X

ClientSampleId :

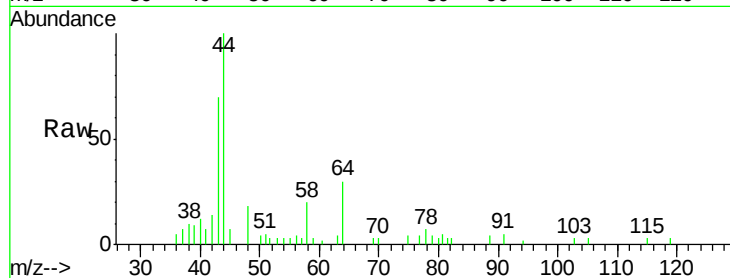
S83-0019DL

Tot Ion: 43 Resp: 2193

Ion Ratio Lower Upper

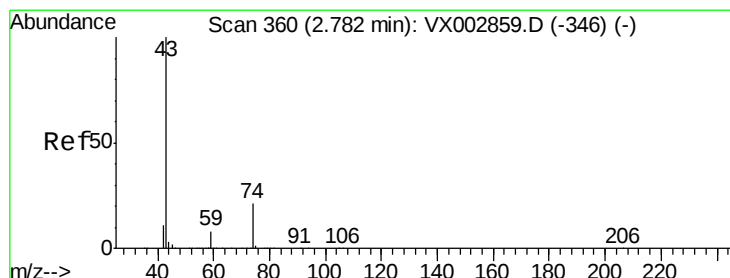
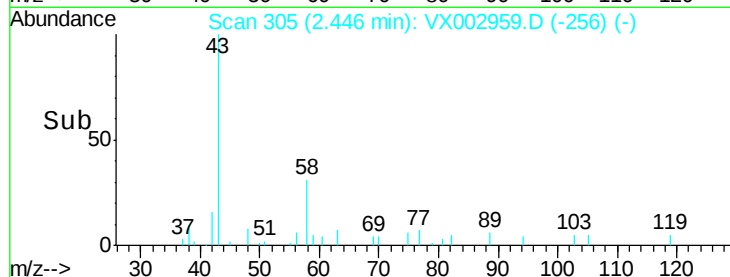
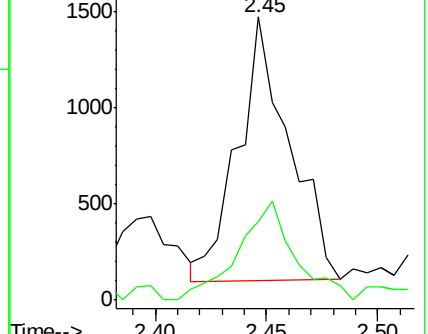
43 100

58 25.9 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 2.68 ug/l

RT: 2.84 min Scan# 370

Delta R.T. 0.06 min

Lab File: VX002959.D

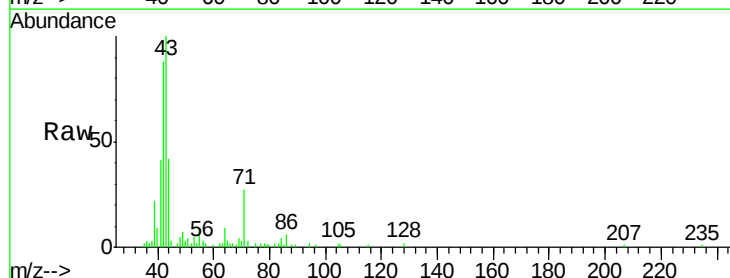
Acq: 28 Jun 2018 02:13

Tgt Ion: 43 Resp: 11875

Ion Ratio Lower Upper

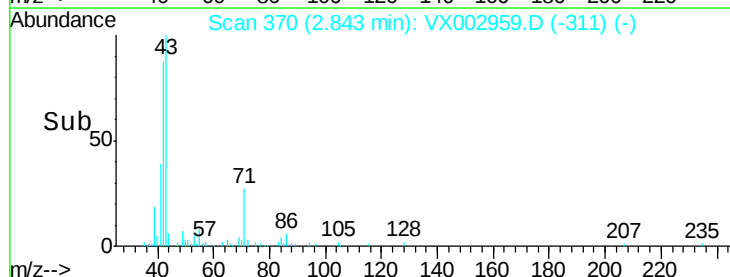
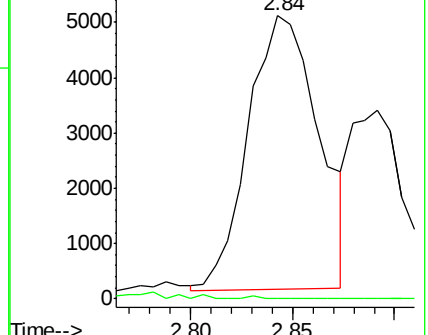
43 100

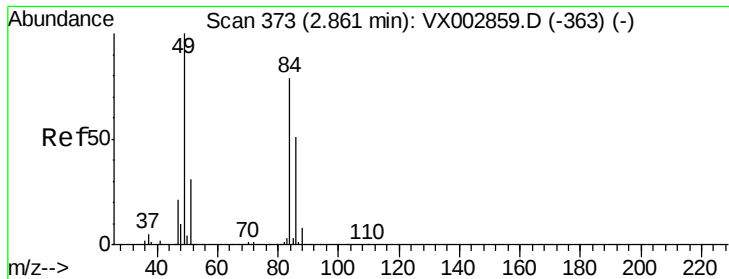
74 0.2 16.7 25.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

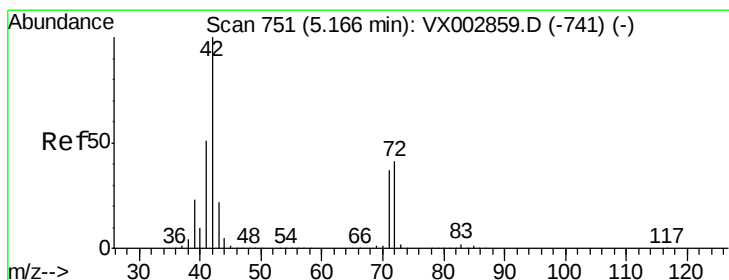
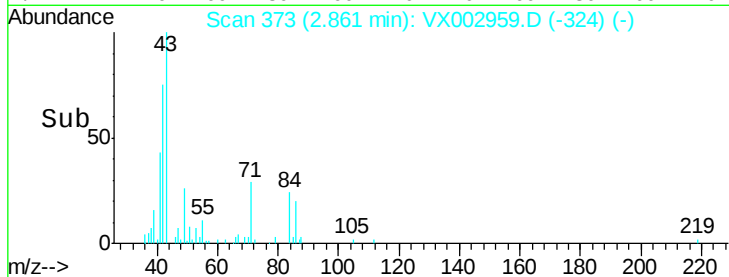
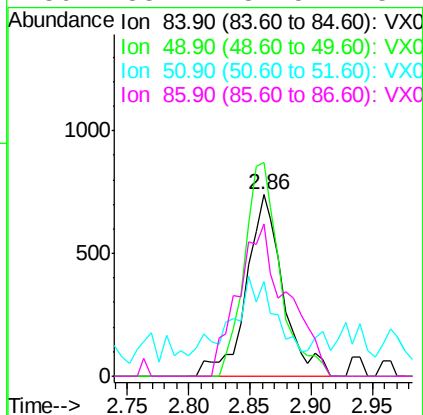
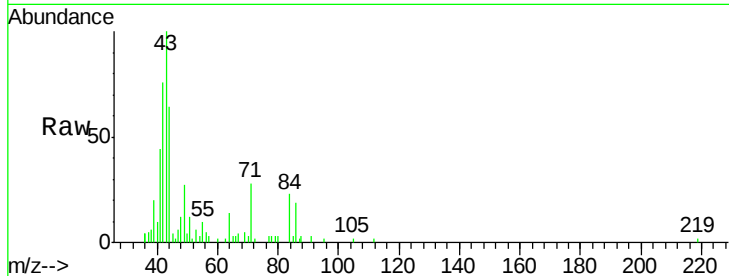




#20
Methvlene Chloride
Concen: 0.50 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX002959.D
Acq: 28 Jun 2018 02:13

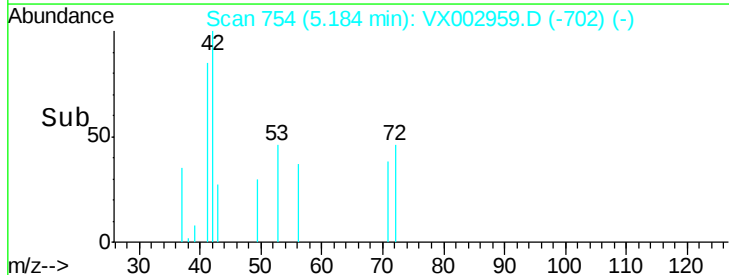
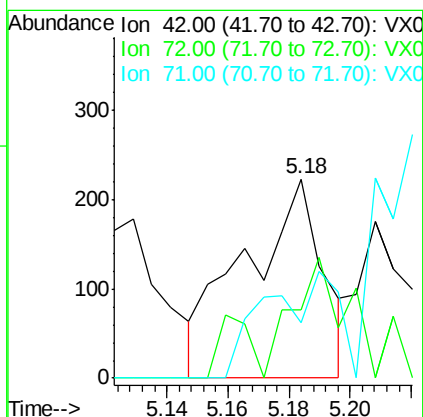
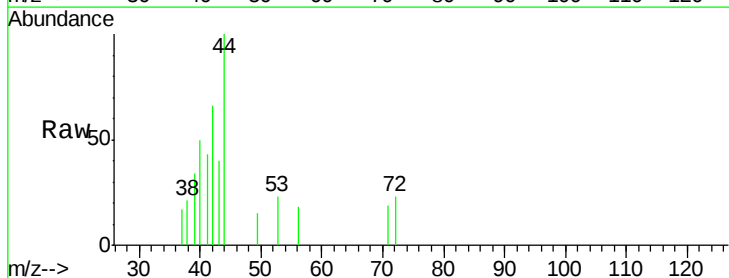
Instrument :
MSVOA_X
ClientSampled :
S83-0019DL

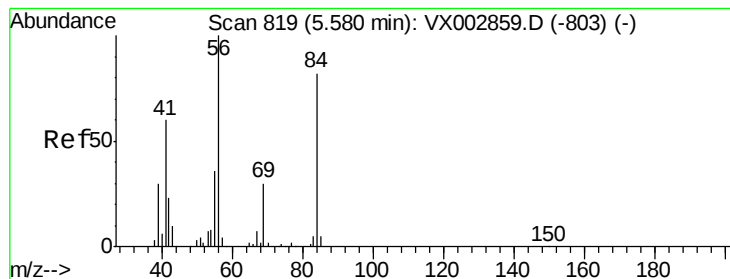
Tot Ion: 84 Resp: 1544
Ion Ratio Lower Upper
84 100
49 117.9 107.8 161.6
51 41.1 32.8 49.2
86 83.7 52.5 78.7#



#29
Tetrahydrofuran
Concen: 0.26 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.02 min
Lab File: VX002959.D
Acq: 28 Jun 2018 02:13

Tgt Ion: 42 Resp: 395
Ion Ratio Lower Upper
42 100
72 47.8 32.0 48.0
71 49.1 30.1 45.1#





#31

Cyclohexane

Concen: 5.31 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002959.D

Acq: 28 Jun 2018 02:13

Instrument :

MSVOA_X

ClientSampled :

S83-0019DL

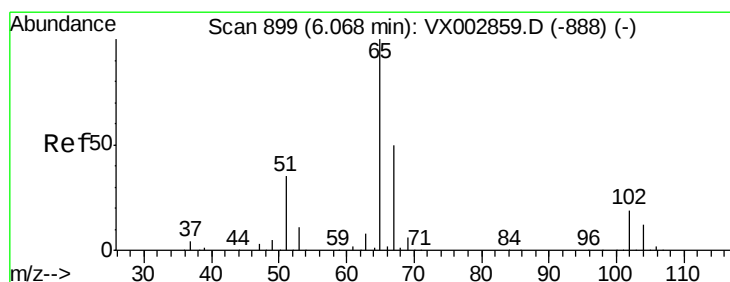
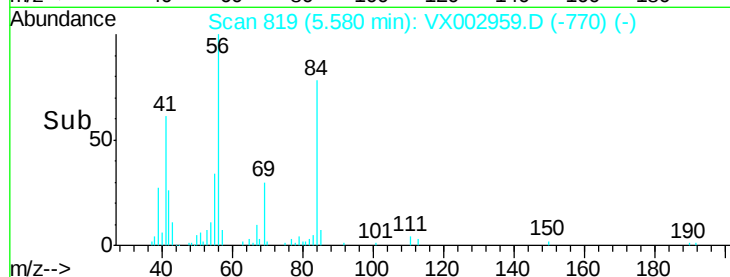
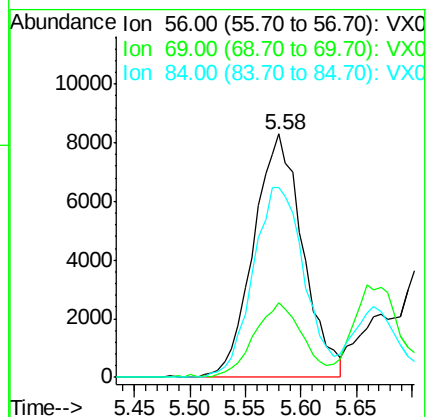
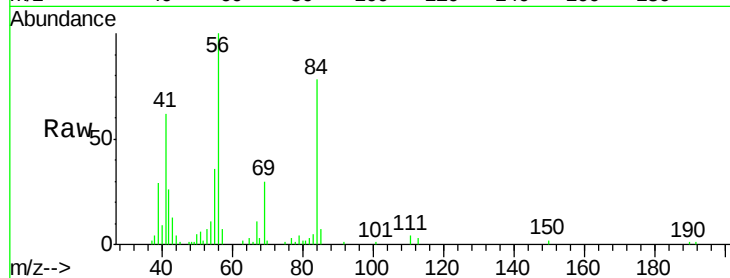
Tot Ion: 56 Resp: 25509

Ion Ratio Lower Upper

56 100

69 29.3 23.7 35.5

84 78.0 64.1 96.1



#33

1,2-Dichloroethane-d4

Concen: 48.03 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX002959.D

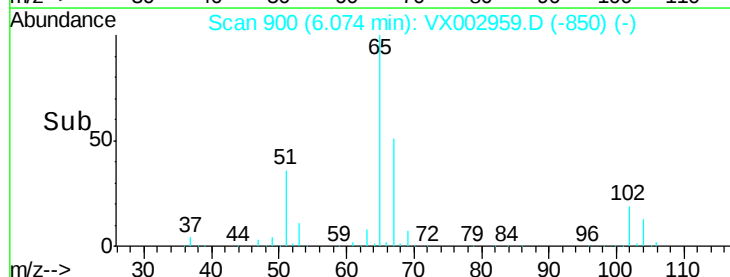
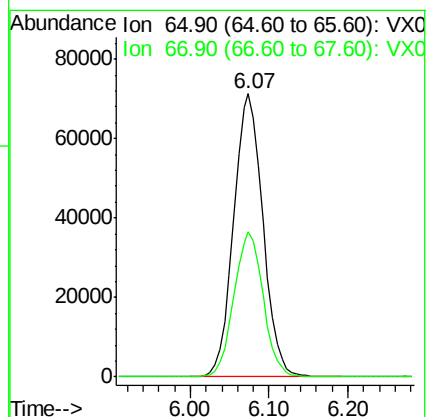
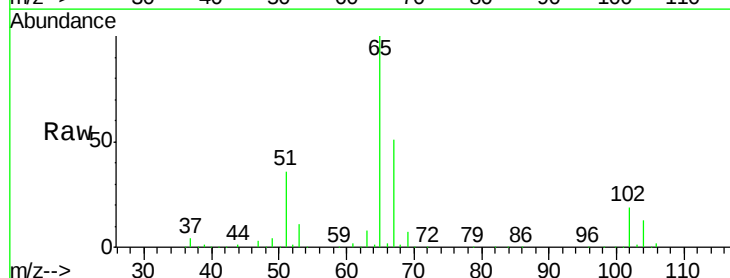
Acq: 28 Jun 2018 02:13

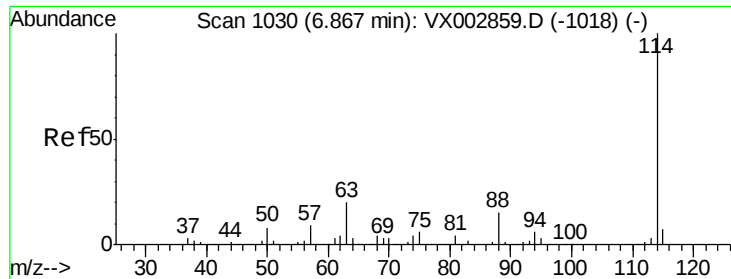
Tgt Ion: 65 Resp: 184019

Ion Ratio Lower Upper

65 100

67 51.2 0.0 102.6

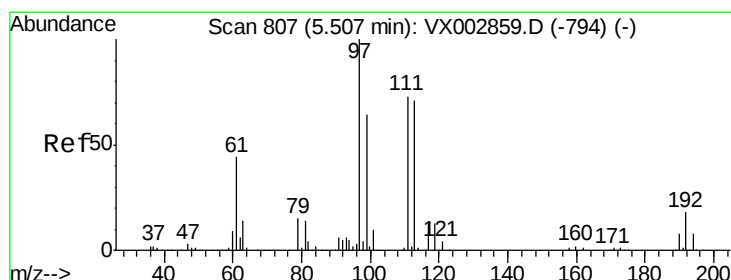
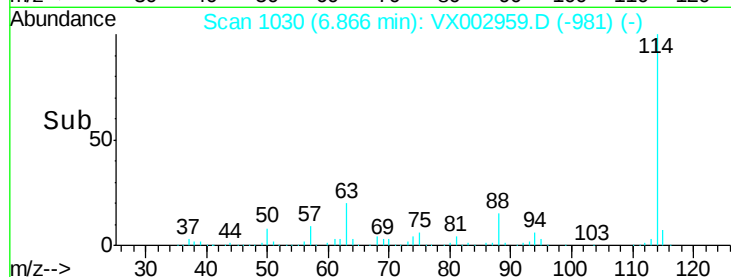
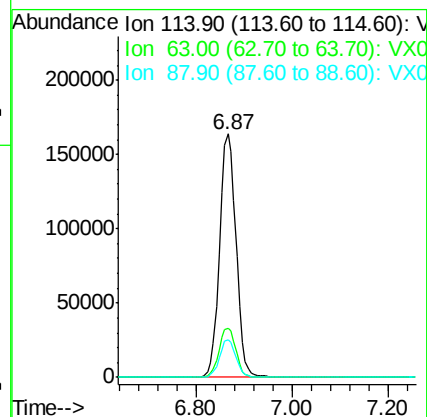
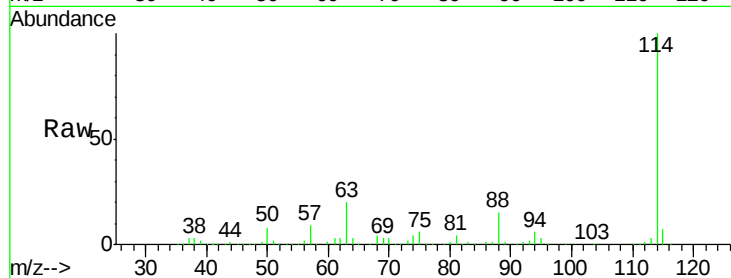




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002959.D
 Acq: 28 Jun 2018 02:13

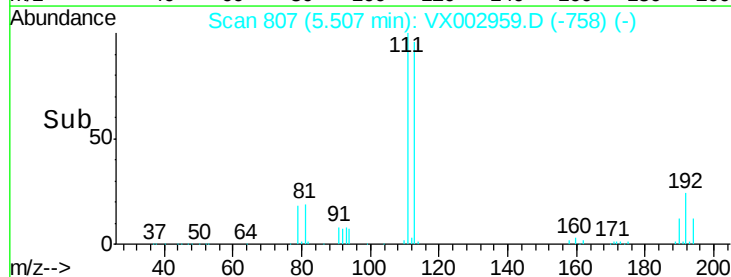
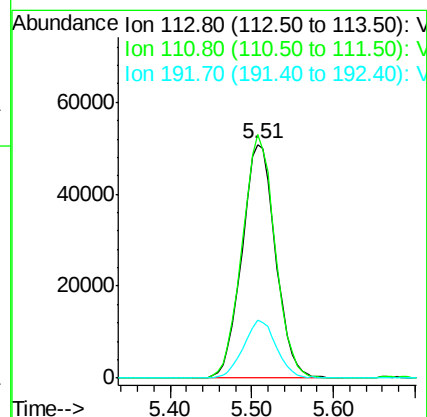
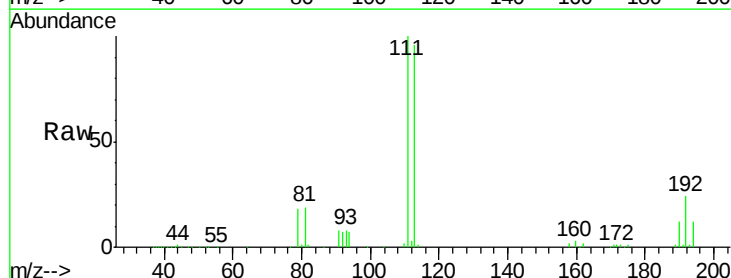
Instrument :
 MSVOA_X
 ClientSampleId :
 S83-0019DL

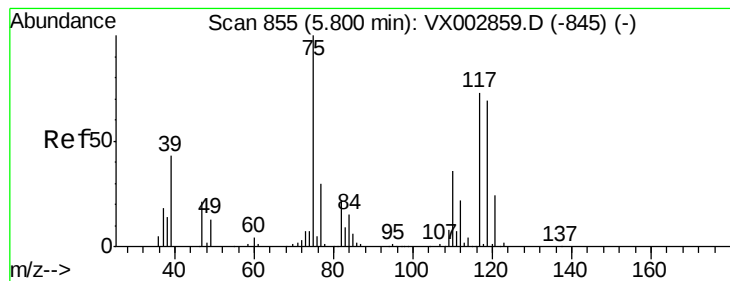
Tot Ion:114 Resp: 390204
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.4
 88 15.3 0.0 30.0



#35
 Dibromofluoromethane
 Concen: 46.98 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002959.D
 Acq: 28 Jun 2018 02:13

Tgt Ion:113 Resp: 145168
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.4 122.0
 192 24.3 19.1 28.7





#36

1,1-Dichloropropene

Concen: 4.31 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX002959.D

Acq: 28 Jun 2018 02:13

Instrument :

MSVOA_X

ClientSampled :

S83-0019DL

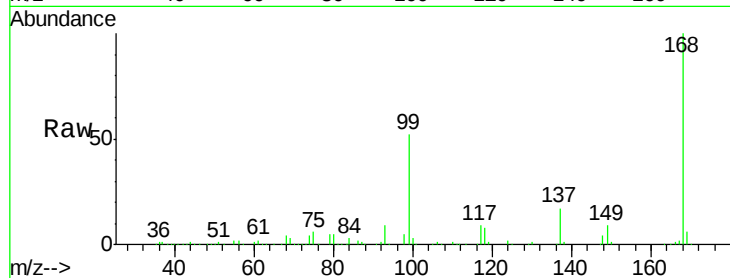
Tot Ion: 75 Resp: 18450

Ion Ratio Lower Upper

75 100

110 10.8 18.1 54.4#

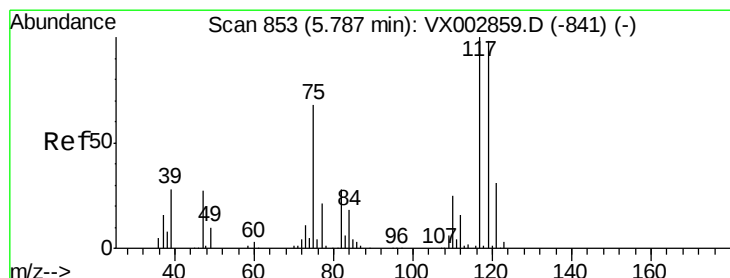
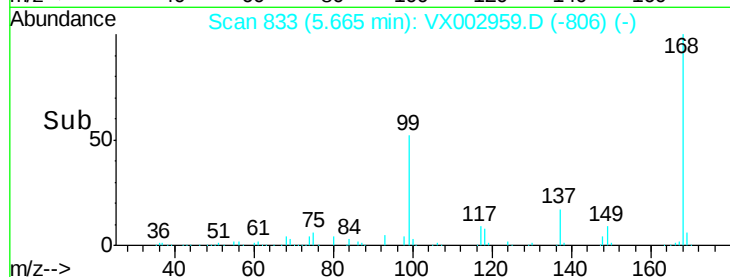
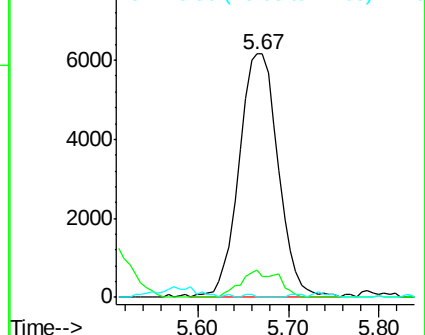
77 0.3 24.3 36.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.38 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002959.D

Acq: 28 Jun 2018 02:13

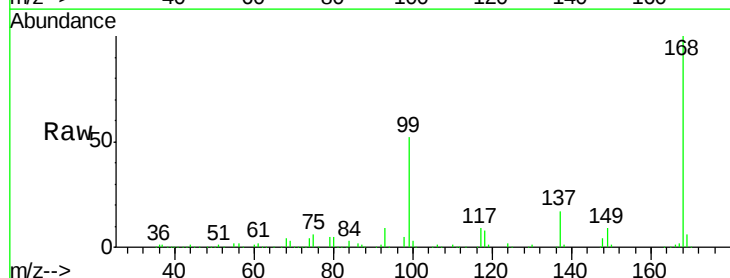
Tgt Ion:117 Resp: 25255

Ion Ratio Lower Upper

117 100

119 5.3 77.4 116.0#

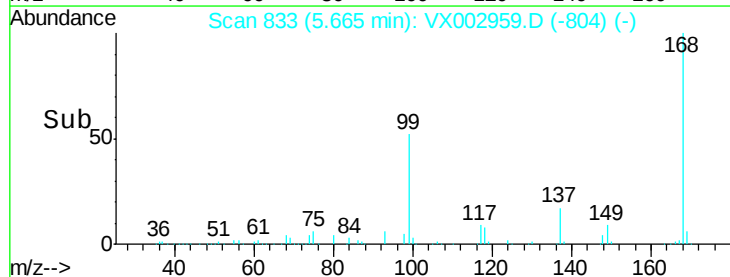
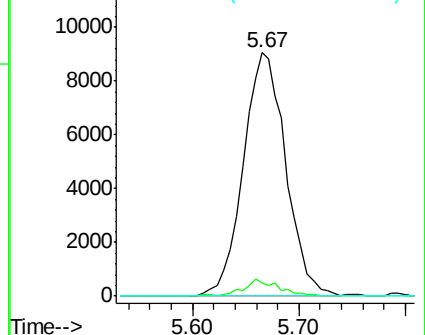
121 0.0 24.4 36.6#

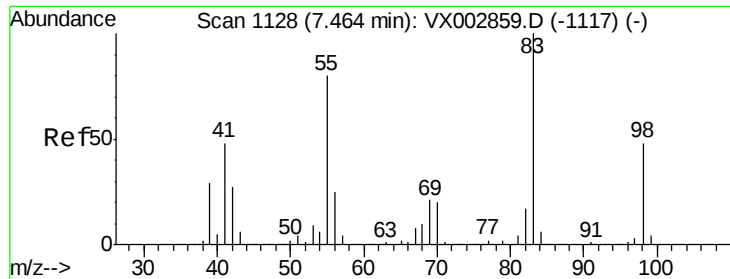


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

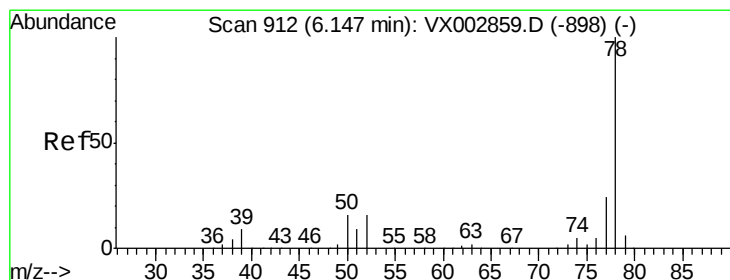
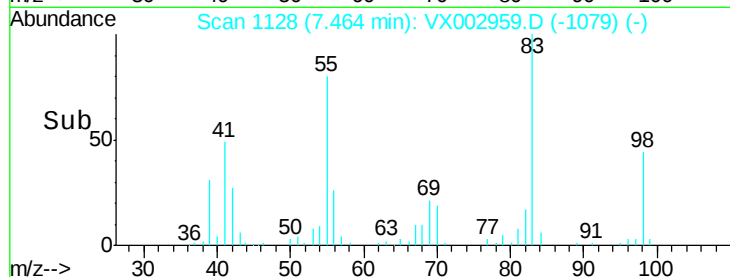
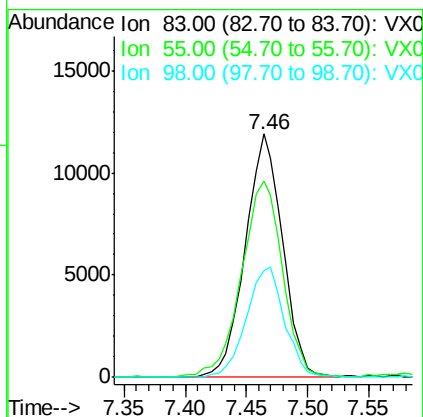
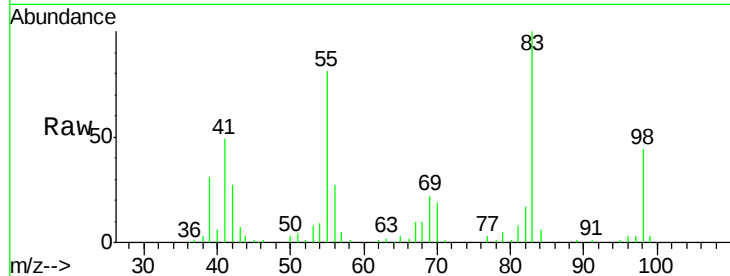




#39
Methvlcvclohexane
Concen: 5.07 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002959.D
Acq: 28 Jun 2018 02:13

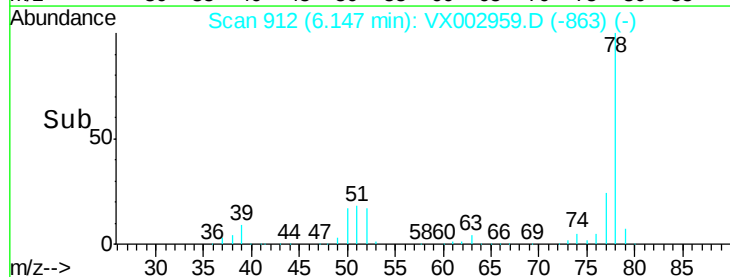
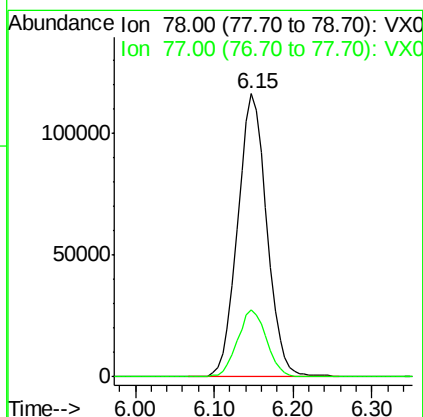
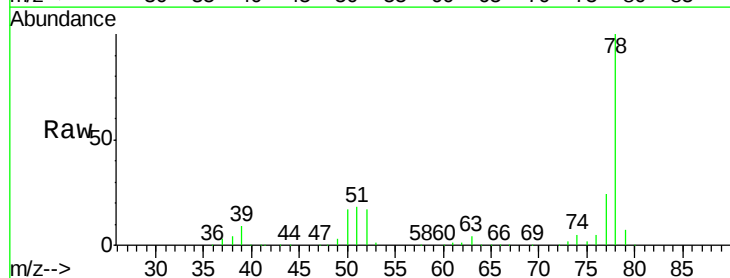
Instrument :
MSVOA_X
ClientSampleId :
S83-0019DL

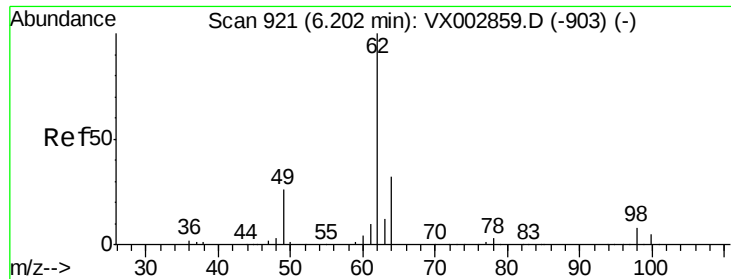
Tot Ion: 83 Resp: 25281
Ion Ratio Lower Upper
83 100
55 80.1 65.4 98.0
98 43.9 37.4 56.0



#40
Benzene
Concen: 24.10 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002959.D
Acq: 28 Jun 2018 02:13

Tgt Ion: 78 Resp: 299637
Ion Ratio Lower Upper
78 100
77 23.5 19.1 28.7





#42

1,2-Dichloroethane

Concen: 0.54 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.06 min

Lab File: VX002959.D

Acq: 28 Jun 2018 02:13

Instrument :

MSVOA_X

ClientSampled :

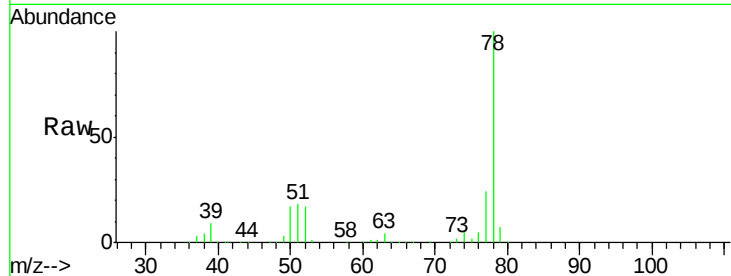
S83-0019DL

Tot Ion: 62 Resp: 2699

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

1200

1000

800

600

400

200

0

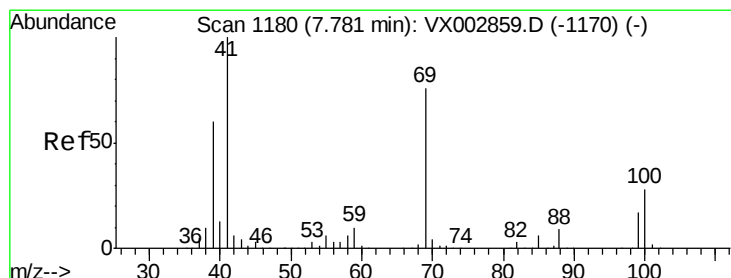
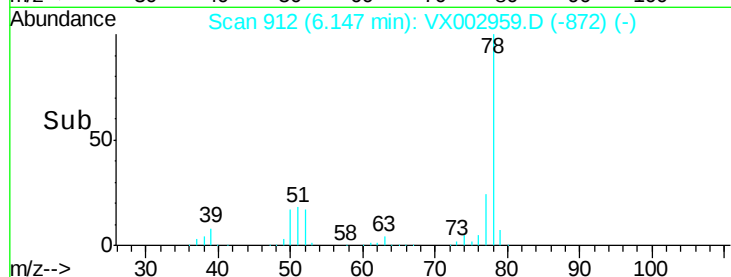
6.05

6.10

6.15

6.20

Time-->



#48

Methyl methacrylate

Concen: 0.55 ug/l

RT: 7.74 min Scan# 1173

Delta R.T. -0.04 min

Lab File: VX002959.D

Acq: 28 Jun 2018 02:13

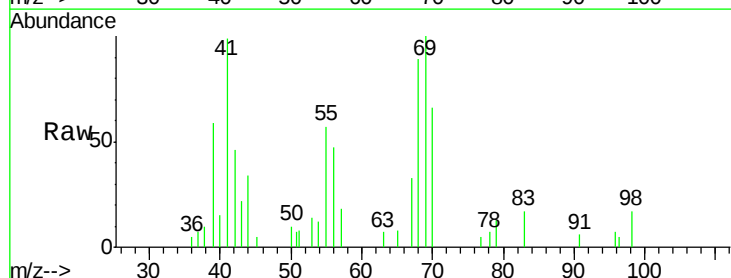
Tgt Ion: 41 Resp: 2196

Ion Ratio Lower Upper

41 100

69 132.6 59.1 88.7#

39 64.6 48.9 73.3



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

1500

1000

500

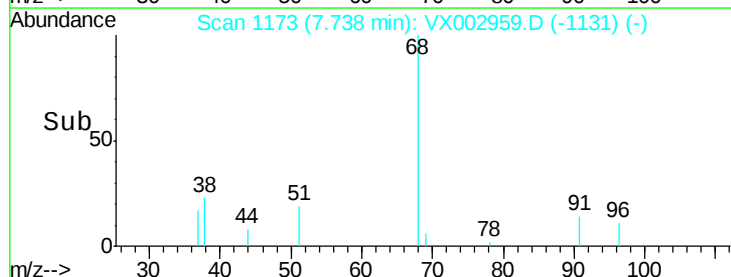
0

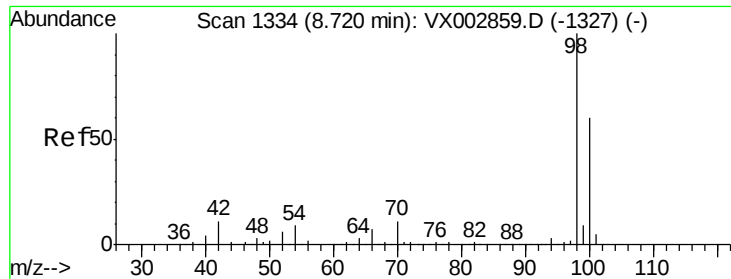
7.70

7.75

7.80

Time-->





#50

Toluene-d8

Concen: 48.36 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002959.D

Acq: 28 Jun 2018 02:13

Instrument :

MSVOA_X

ClientSampleId :

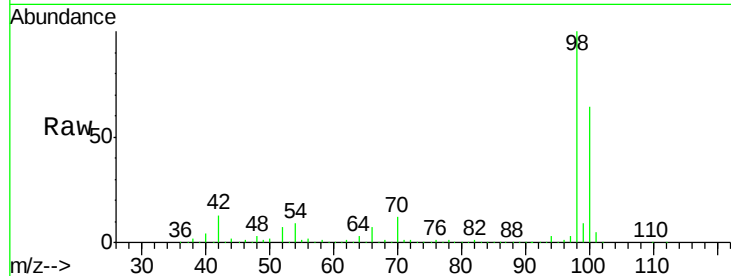
S83-0019DL

Tot Ion: 98 Resp: 545743

Ion Ratio Lower Upper

98 100

100 64.1 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

400000

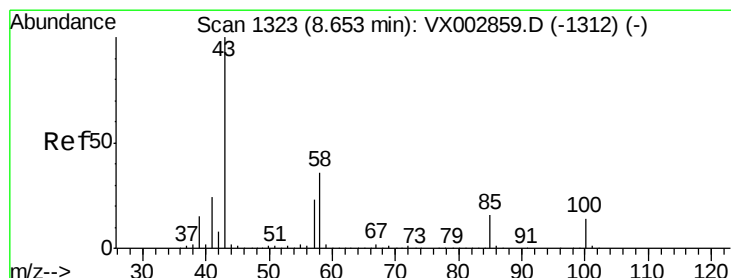
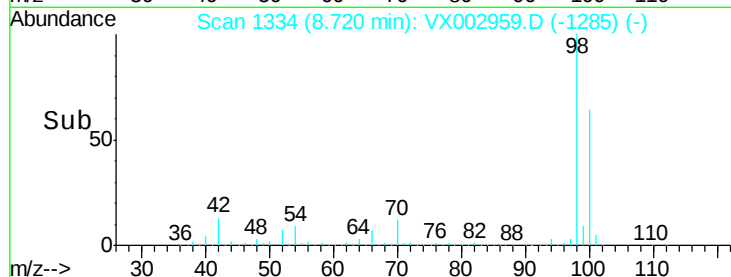
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.30 ug/l

RT: 8.68 min Scan# 1328

Delta R.T. 0.03 min

Lab File: VX002959.D

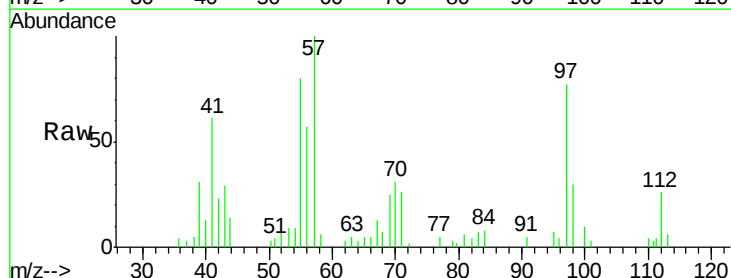
Acq: 28 Jun 2018 02:13

Tgt Ion: 43 Resp: 1430

Ion Ratio Lower Upper

43 100

58 0.0 28.6 42.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.68

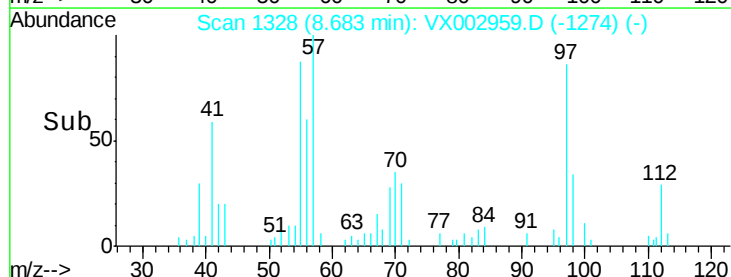
3000

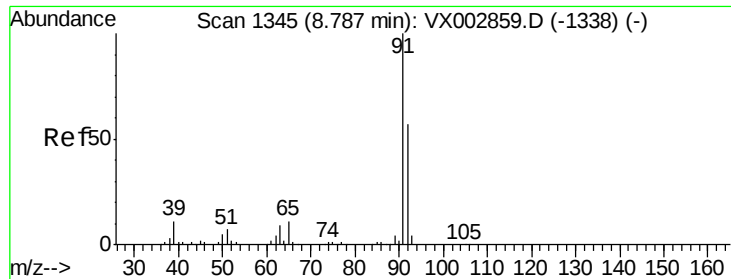
2000

1000

0

Time-->





#52

Toluene

Concen: 1.46 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002959.D

Acq: 28 Jun 2018 02:13

Instrument :

MSVOA_X

ClientSampled :

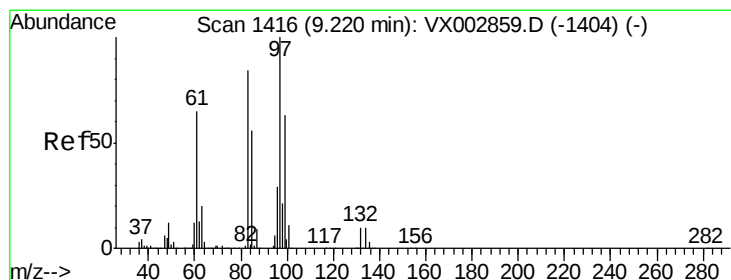
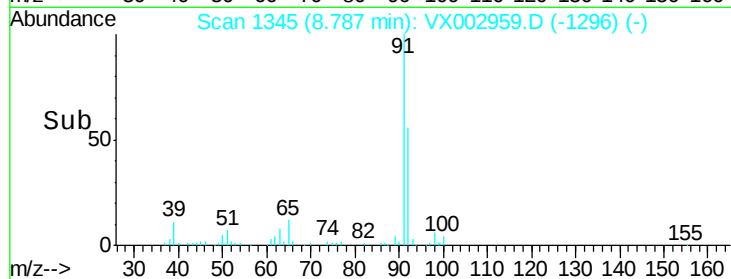
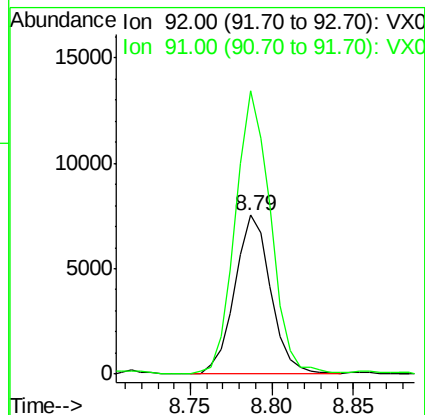
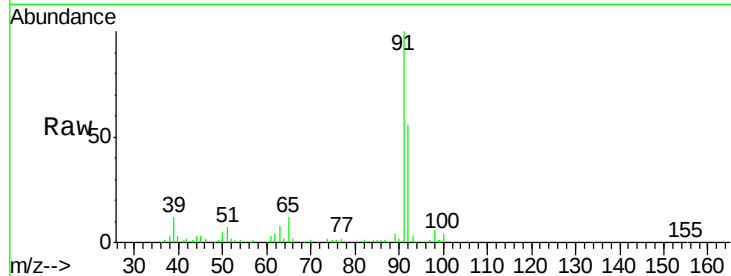
S83-0019DL

Tot Ion: 92 Resp: 11622

Ion Ratio Lower Upper

92 100

91 173.8 140.4 210.6



#55

1,1,2-Trichloroethane

Concen: 1.14 ug/l

RT: 9.16 min Scan# 1407

Delta R.T. -0.06 min

Lab File: VX002959.D

Acq: 28 Jun 2018 02:13

Tgt Ion: 97 Resp: 3747

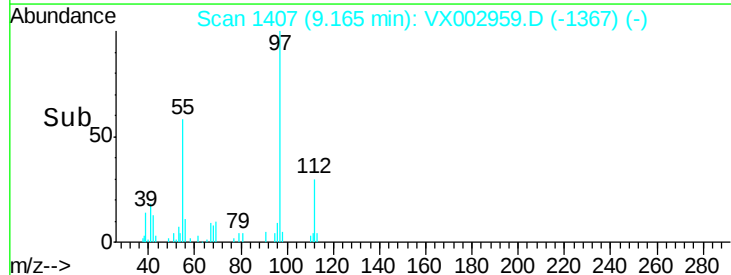
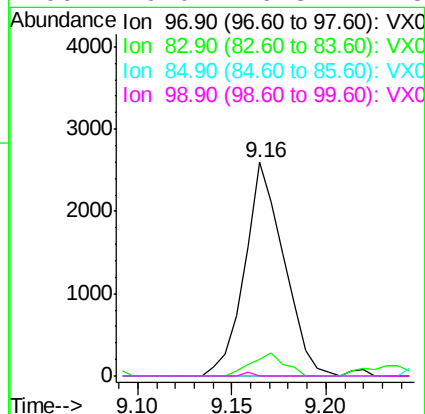
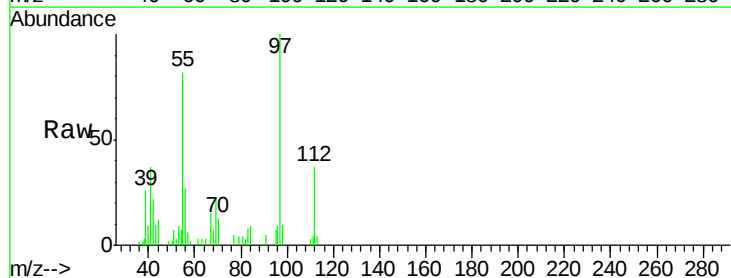
Ion Ratio Lower Upper

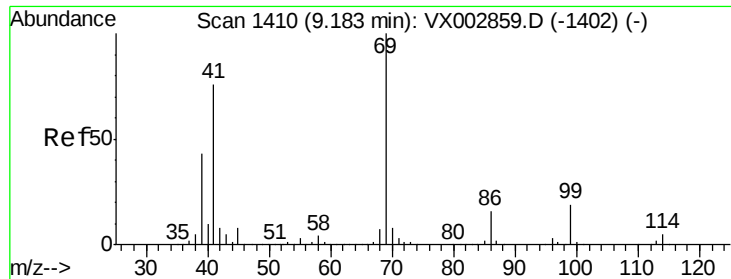
97 100

83 8.1 70.2 105.2#

85 0.0 44.9 67.3#

99 0.0 49.8 74.8#

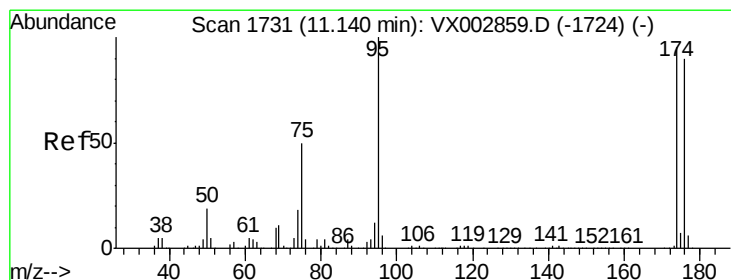
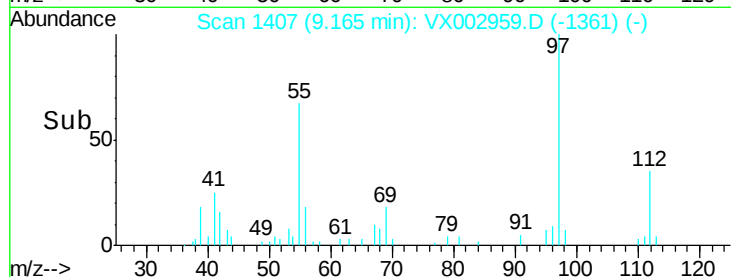
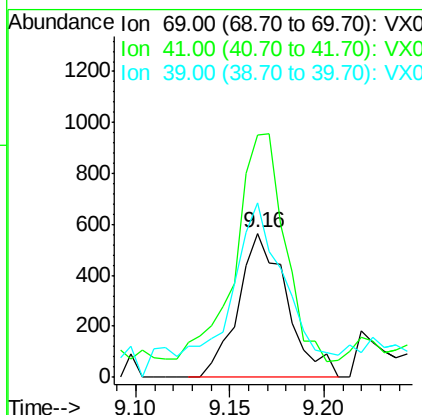
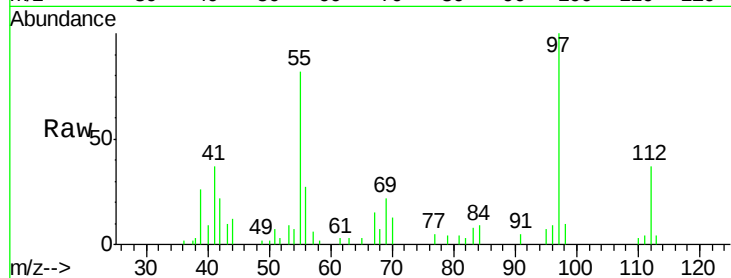




#56
Ethyl methacrylate
Concen: 0.21 ug/l
RT: 9.16 min Scan# 1407
Delta R.T. -0.02 min
Lab File: VX002959.D
Acq: 28 Jun 2018 02:13

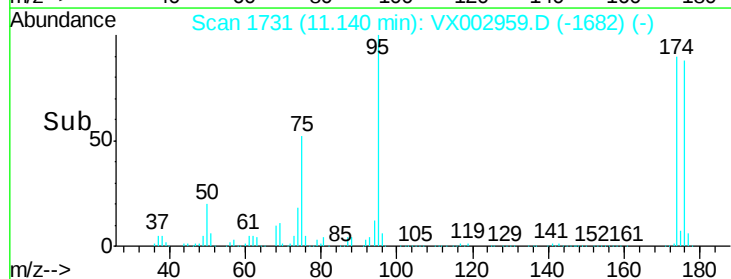
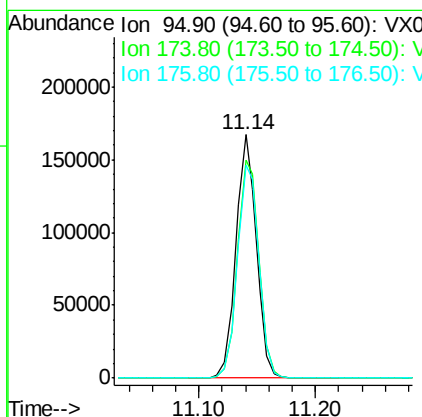
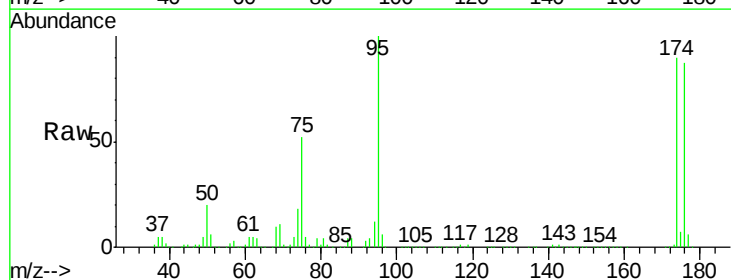
Instrument :
MSVOA_X
ClientSampleID :
S83-0019DL

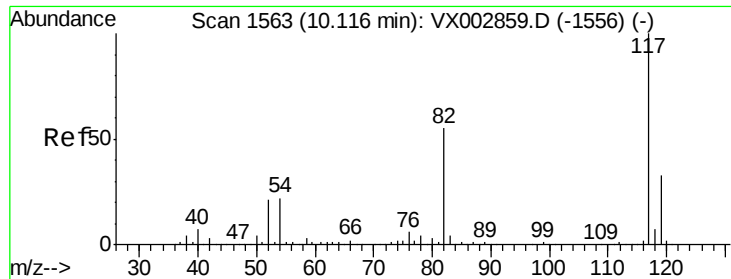
Tot Ion: 69 Resp: 1012
Ion Ratio Lower Upper
69 100
41 160.0 60.3 90.5#
39 98.9 35.8 53.8#



#62
4-Bromofluorobenzene
Concen: 47.08 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002959.D
Acq: 28 Jun 2018 02:13

Tgt Ion: 95 Resp: 204893
Ion Ratio Lower Upper
95 100
174 94.0 0.0 187.4
176 91.9 0.0 181.0

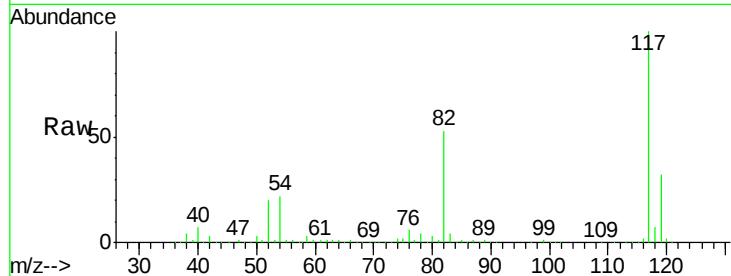




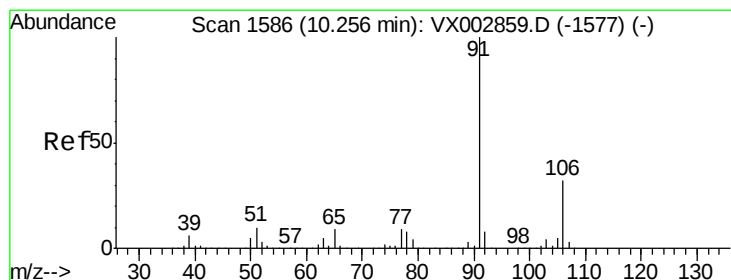
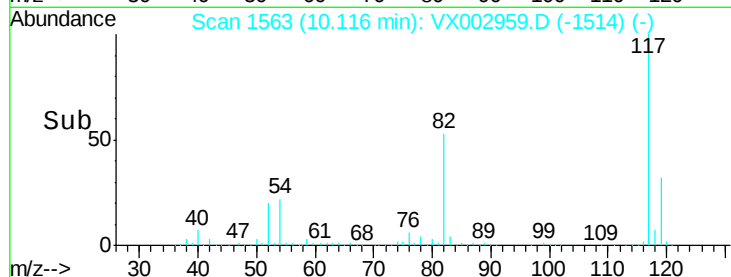
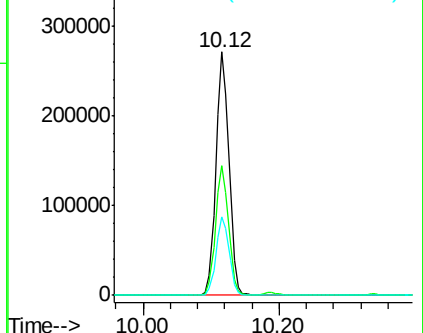
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002959.D
Acq: 28 Jun 2018 02:13

Instrument :
MSVOA_X
ClientSampled :
S83-0019DL

Tot Ion:117 Resp: 361509
Ion Ratio Lower Upper
117 100
82 53.3 45.0 67.4
119 32.1 25.8 38.6

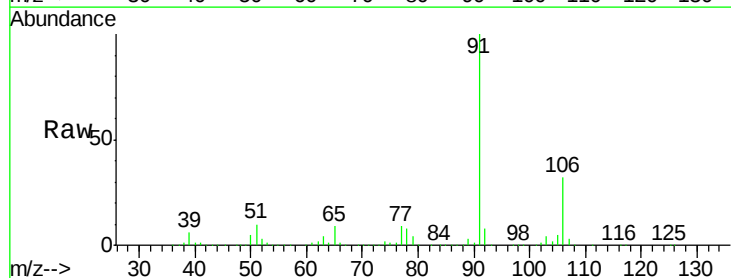


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

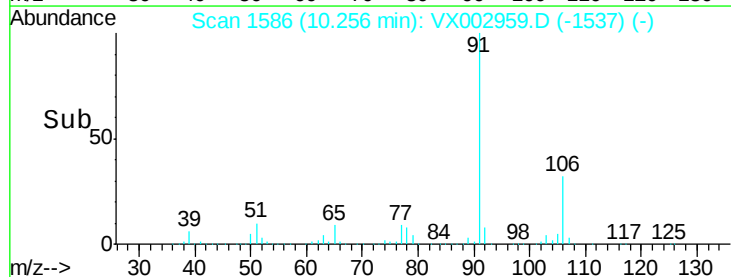
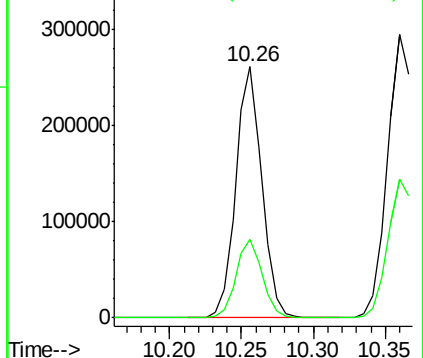


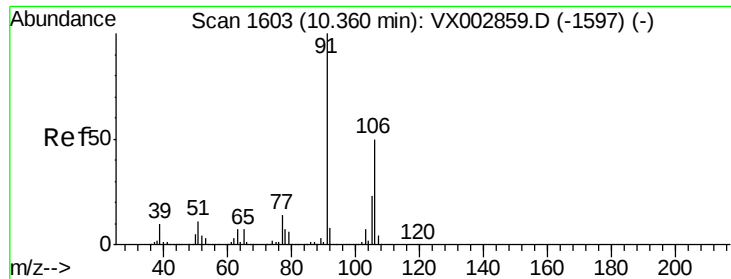
#67
Ethyl Benzene
Concen: 21.69 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002959.D
Acq: 28 Jun 2018 02:13

Tgt Ion: 91 Resp: 328983
Ion Ratio Lower Upper
91 100
106 31.5 25.5 38.3



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

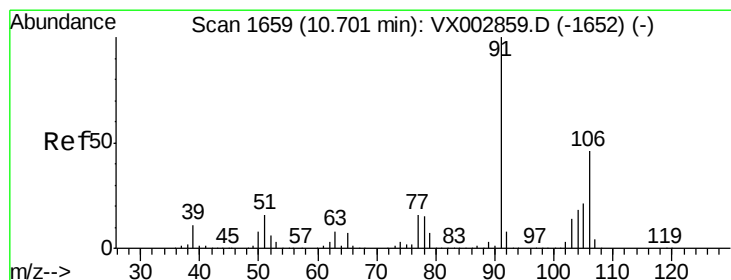
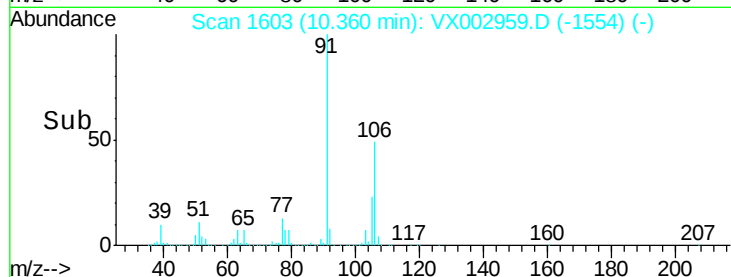
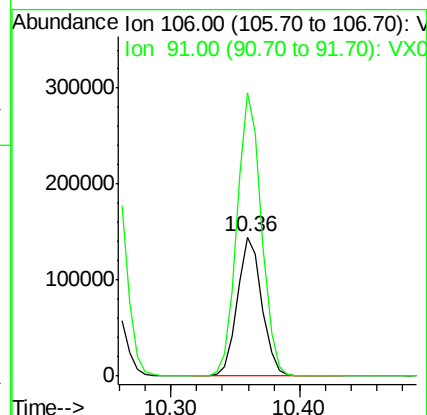
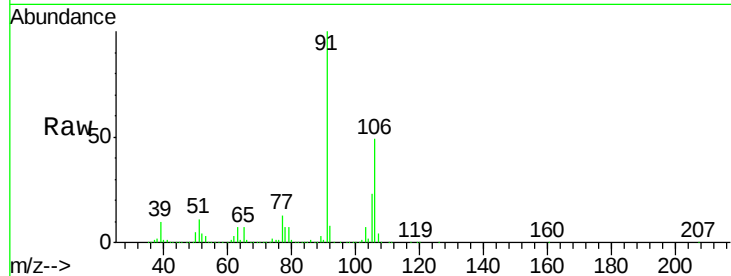




#68
m/p-Xylenes
Concen: 32.72 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX002959.D
Acq: 28 Jun 2018 02:13

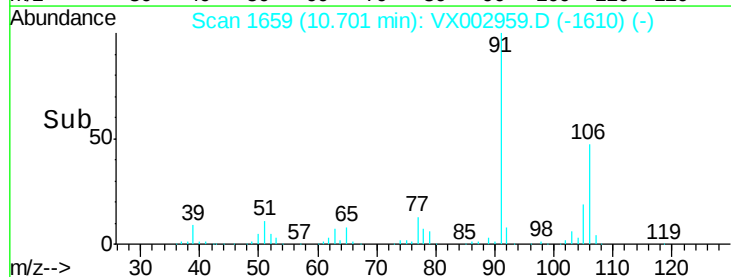
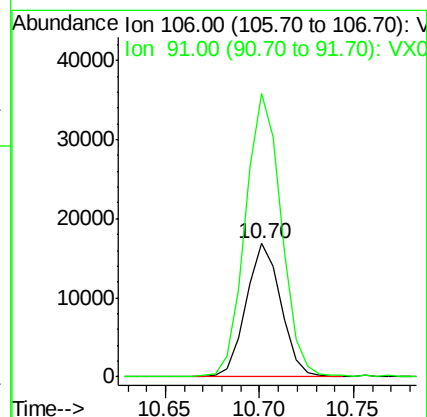
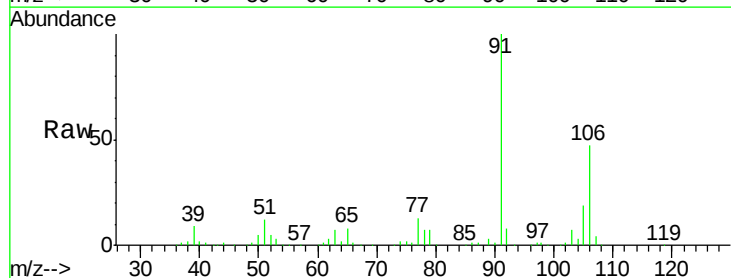
Instrument :
MSVOA_X
ClientSampled :
S83-0019DL

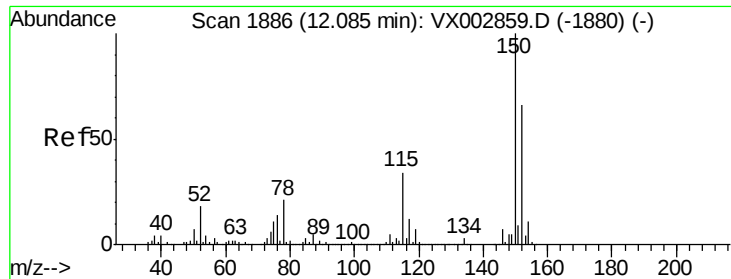
Tot Ion:106 Resp: 191303
Ion Ratio Lower Upper
106 100
91 204.1 163.4 245.2



#69
o-Xylene
Concen: 3.80 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002959.D
Acq: 28 Jun 2018 02:13

Tgt Ion:106 Resp: 21624
Ion Ratio Lower Upper
106 100
91 219.4 108.2 324.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX002959.D

Acq: 28 Jun 2018 02:13

Instrument :

MSVOA_X

ClientSampled :

S83-0019DL

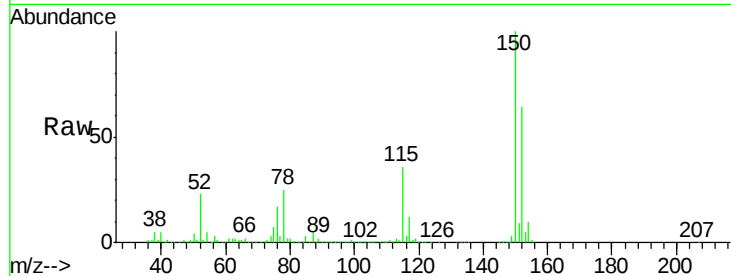
Tot Ion:152 Resp: 217201

Ion Ratio Lower Upper

152 100

115 54.8 40.1 120.2

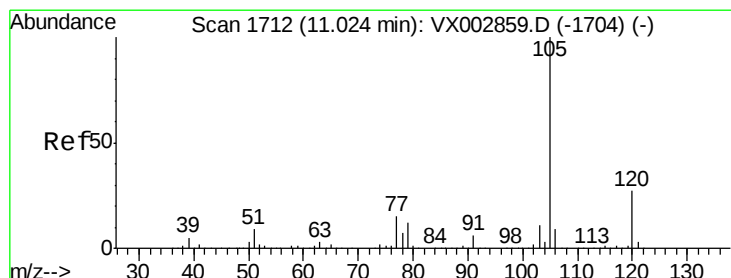
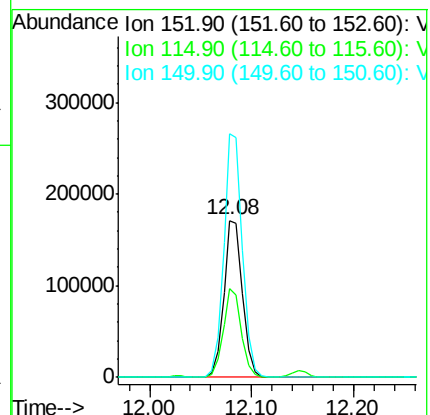
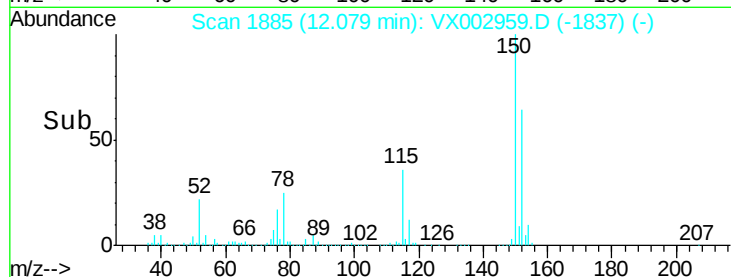
150 155.1 0.0 347.2



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: 2.65 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002959.D

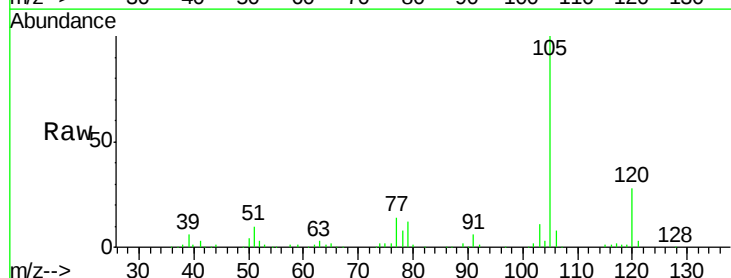
Acq: 28 Jun 2018 02:13

Tgt Ion:105 Resp: 38771

Ion Ratio Lower Upper

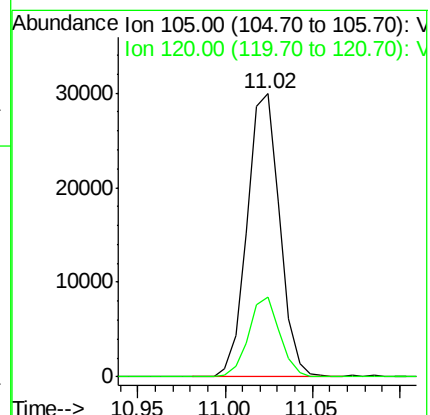
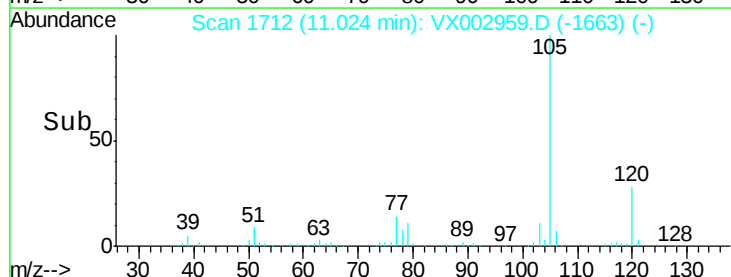
105 100

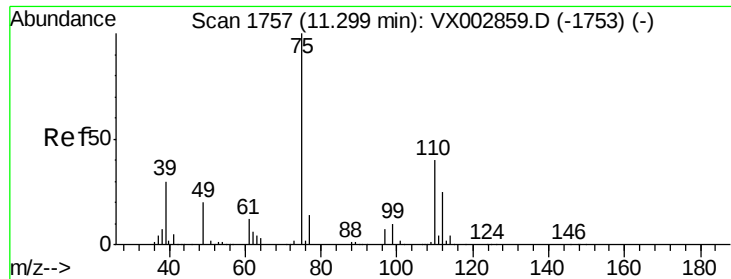
120 27.0 13.5 40.4



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: 26.64 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002959.D

Acq: 28 Jun 2018 02:13

Instrument :

MSVOA_X

ClientSampled :

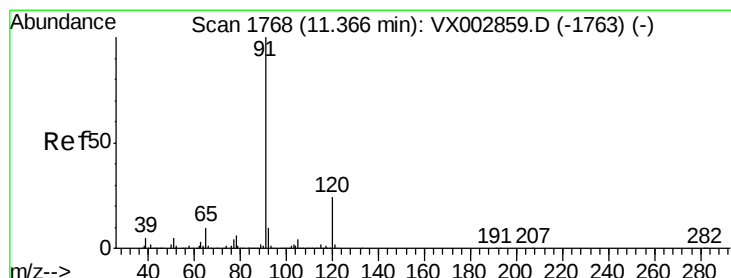
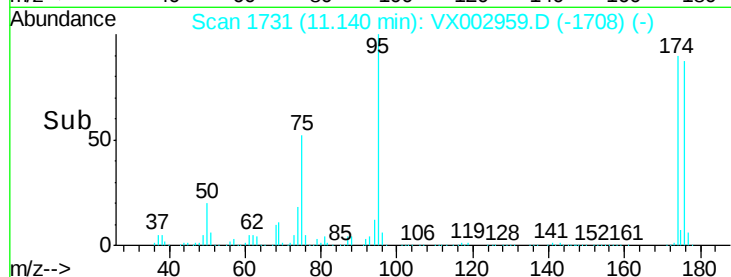
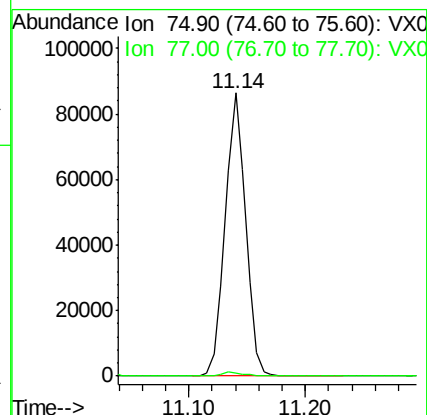
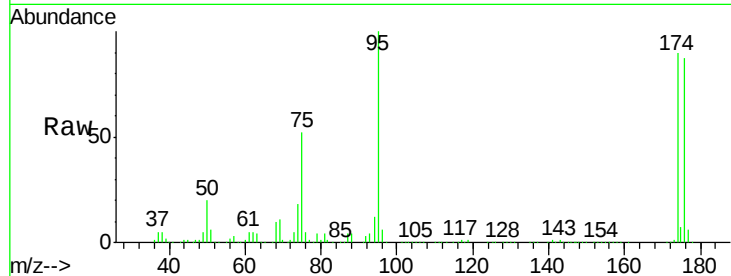
S83-0019DL

Tot Ion: 75 Resp: 104806

Ion Ratio Lower Upper

75 100

77 1.4 22.8 68.3#



#78

n-propylbenzene

Concen: 2.62 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002959.D

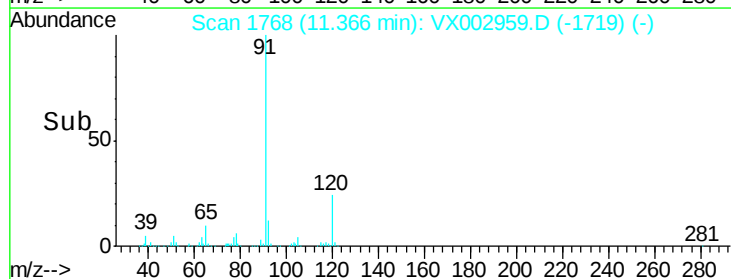
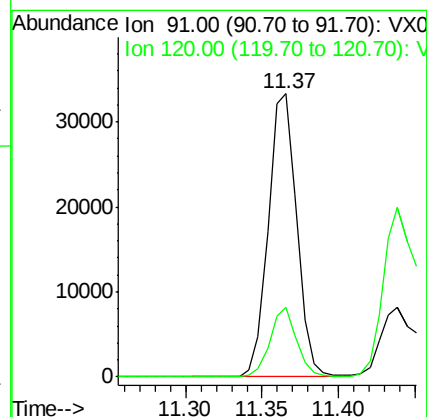
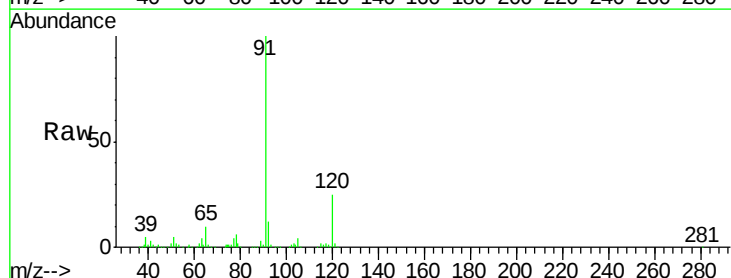
Acq: 28 Jun 2018 02:13

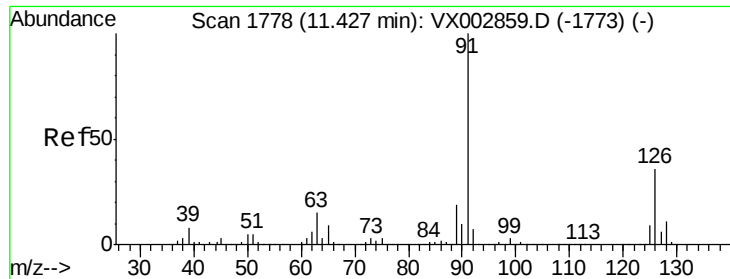
Tgt Ion: 91 Resp: 43577

Ion Ratio Lower Upper

91 100

120 22.8 11.8 35.4





#79

2-Chlorotoluene

Concen: 1.61 ug/l

RT: 11.44 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VX002959.D

Acq: 28 Jun 2018 02:13

Instrument :

MSVOA_X

ClientSampled :

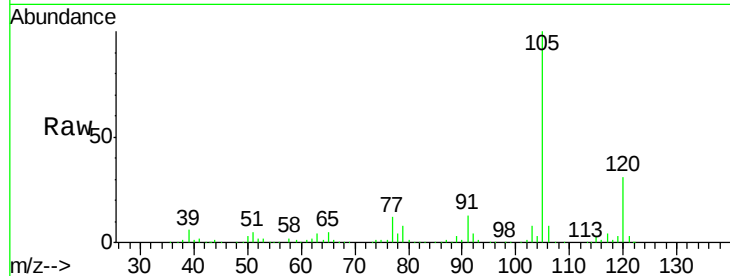
S83-0019DL

Tot Ion: 91 Resp: 16186

Ion Ratio Lower Upper

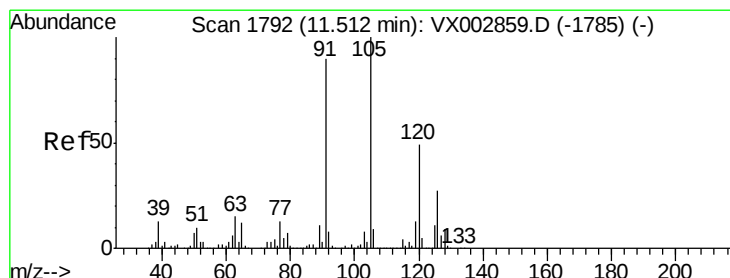
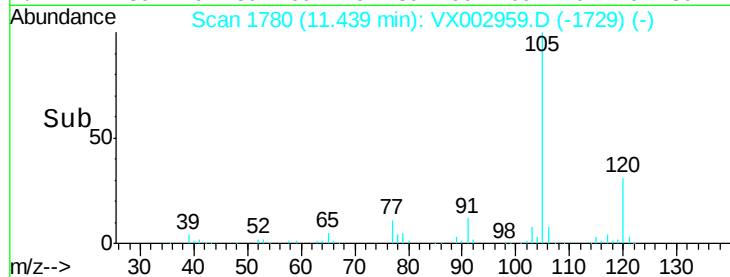
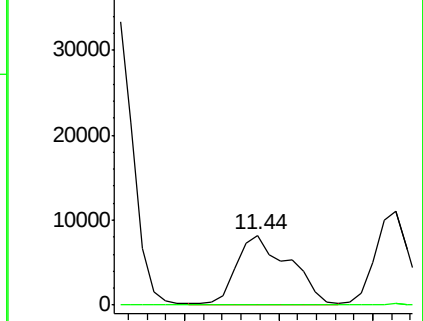
91 100

126 0.7 17.7 53.1#



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: 9.83 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002959.D

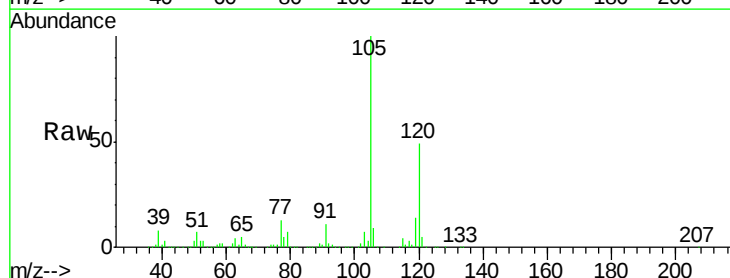
Acq: 28 Jun 2018 02:13

Tgt Ion:105 Resp: 121033

Ion Ratio Lower Upper

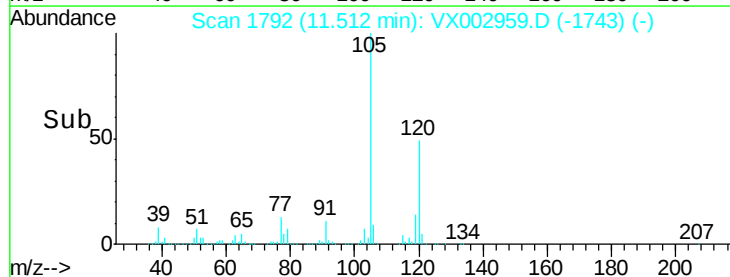
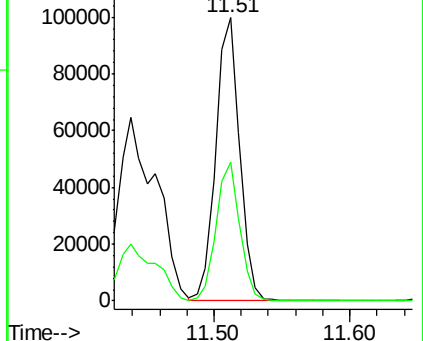
105 100

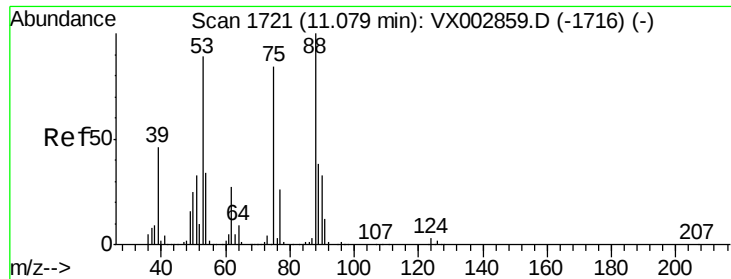
120 48.9 24.4 73.4



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: 75.46 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002959.D

Acq: 28 Jun 2018 02:13

Instrument :

MSVOA_X

ClientSampleId :

S83-0019DL

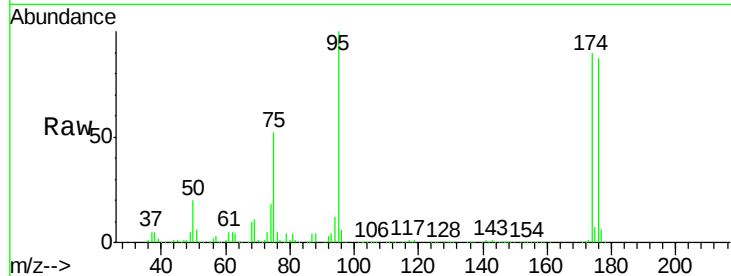
Tot Ion: 75 Resp: 104806

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

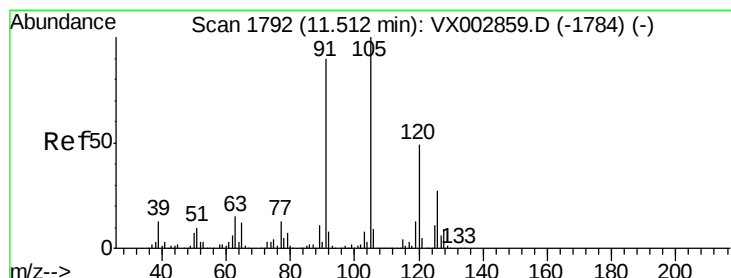
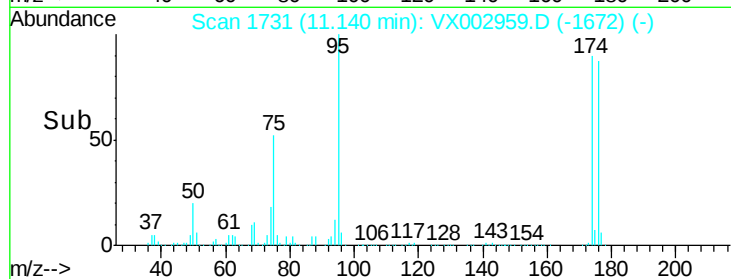
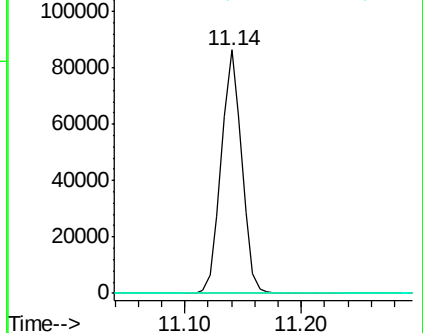
89 0.1 38.2 57.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 1.16 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002959.D

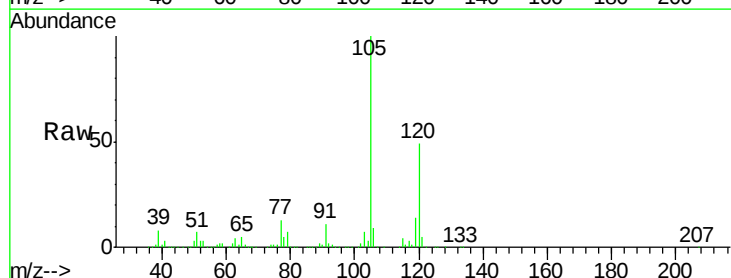
Acq: 28 Jun 2018 02:13

Tgt Ion: 91 Resp: 13886

Ion Ratio Lower Upper

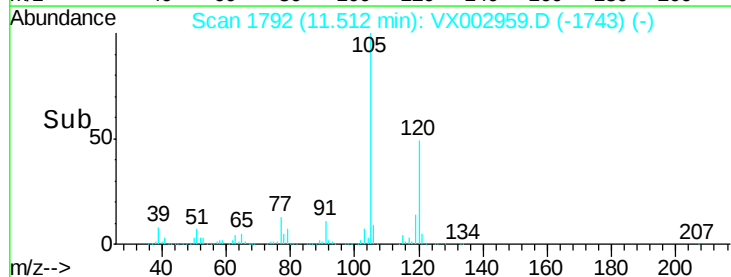
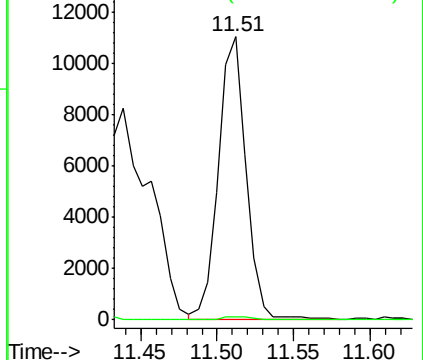
91 100

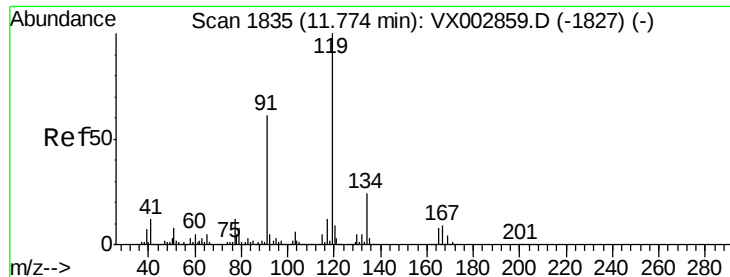
126 1.1 15.4 46.4#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

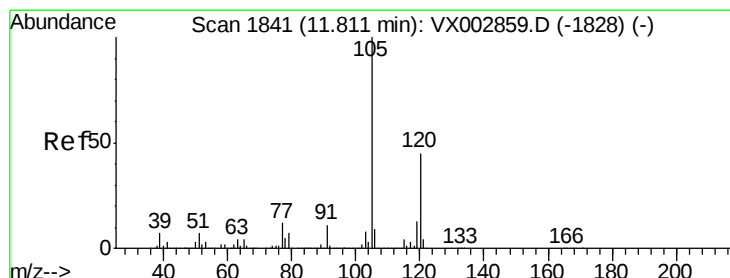
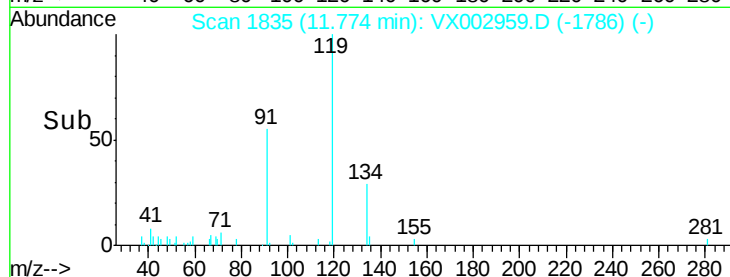
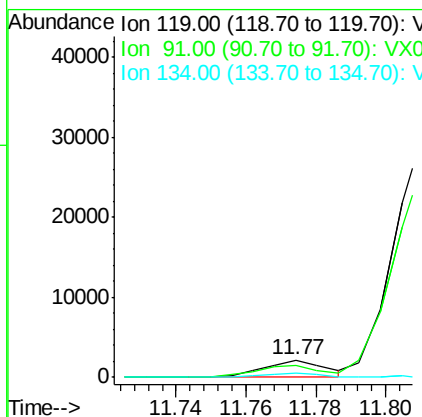
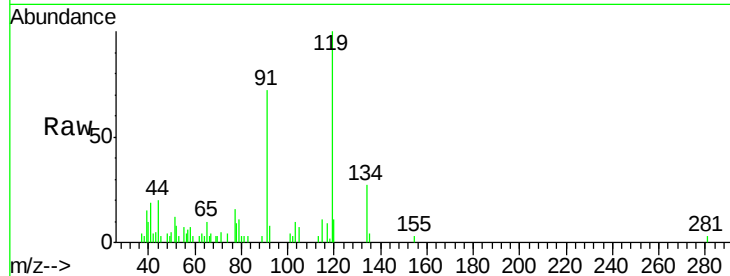




#83
tert-Butylbenzene
Concen: 0.21 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002959.D
Acq: 28 Jun 2018 02:13

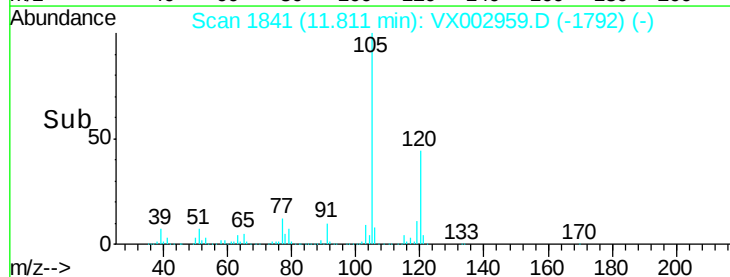
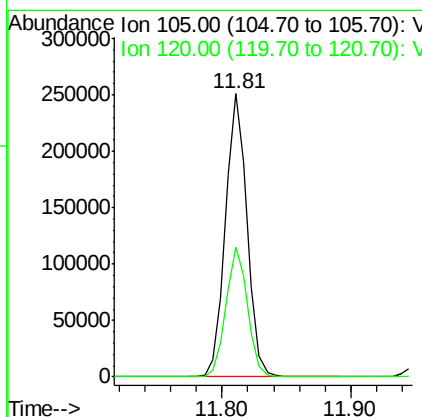
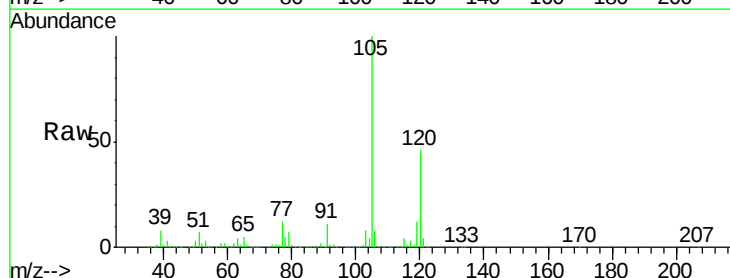
Instrument :
MSVOA_X
ClientSampled :
S83-0019DL

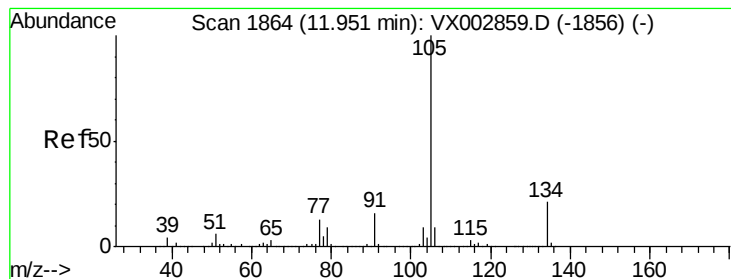
Tot Ion:119 Resp: 2579
Ion Ratio Lower Upper
119 100
91 78.3 30.3 90.9
134 23.0 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 23.27 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002959.D
Acq: 28 Jun 2018 02:13

Tgt Ion:105 Resp: 296754
Ion Ratio Lower Upper
105 100
120 46.0 22.3 66.8





#85

sec-Butylbenzene

Concen: 0.68 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002959.D

Acq: 28 Jun 2018 02:13

Instrument :

MSVOA_X

ClientSampled :

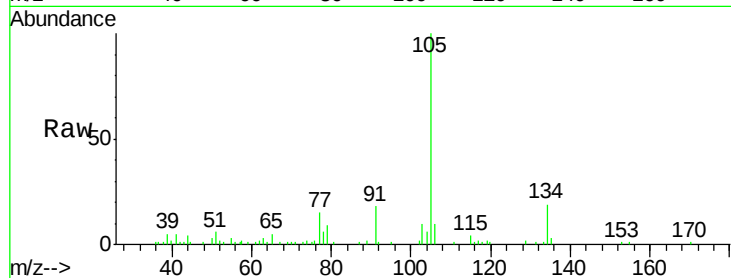
S83-0019DL

Tot Ion:105 Resp: 9946

Ion Ratio Lower Upper

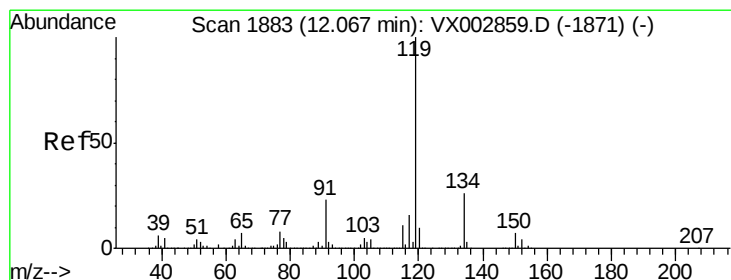
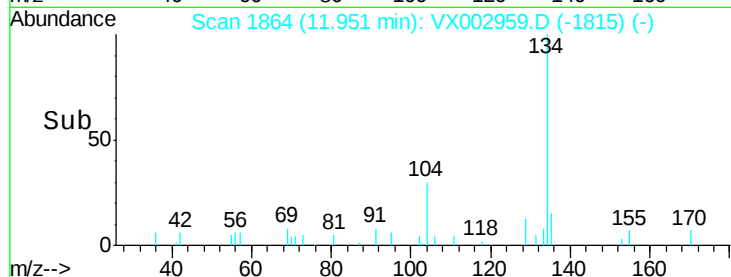
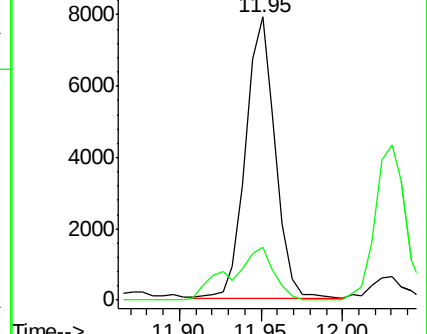
105 100

134 28.0 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.97 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002959.D

Acq: 28 Jun 2018 02:13

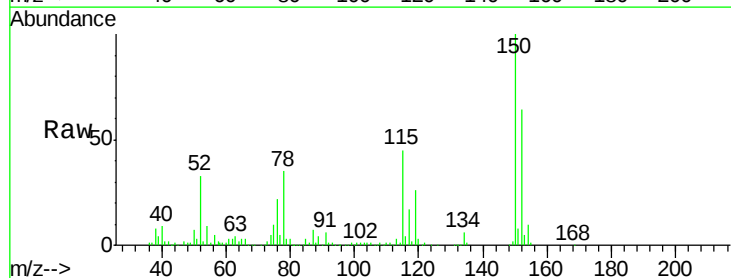
Tgt Ion:119 Resp: 12835

Ion Ratio Lower Upper

119 100

134 28.0 13.4 40.1

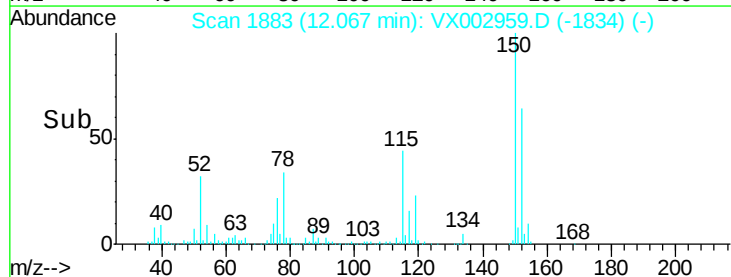
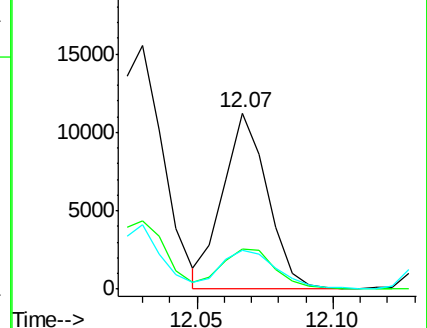
91 27.8 11.9 35.7

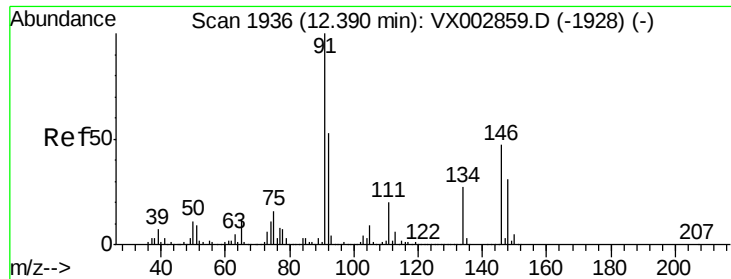


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

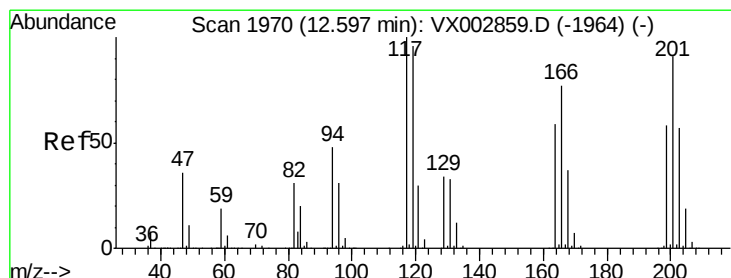
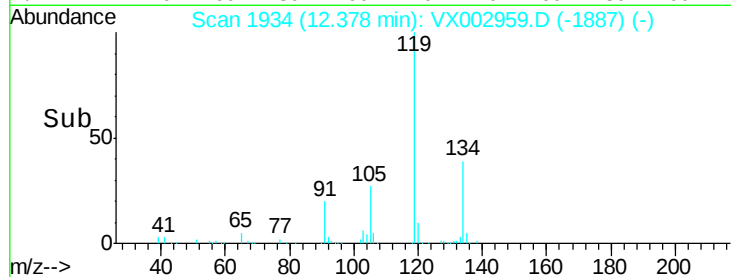
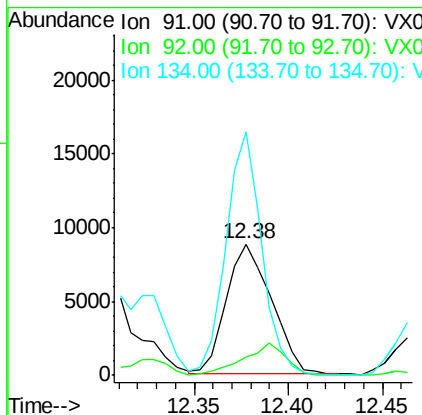
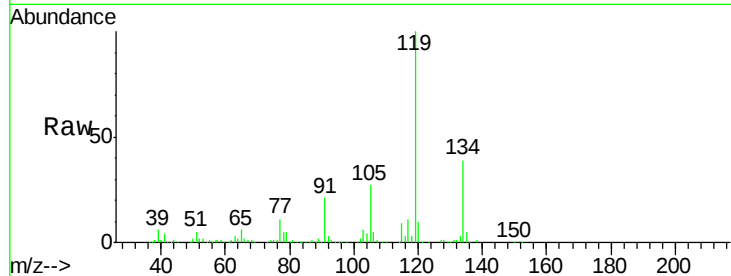




#89
n-Butylbenzene
Concen: 1.27 ug/l
RT: 12.38 min Scan# 1934
Delta R.T. -0.01 min
Lab File: VX002959.D
Acq: 28 Jun 2018 02:13

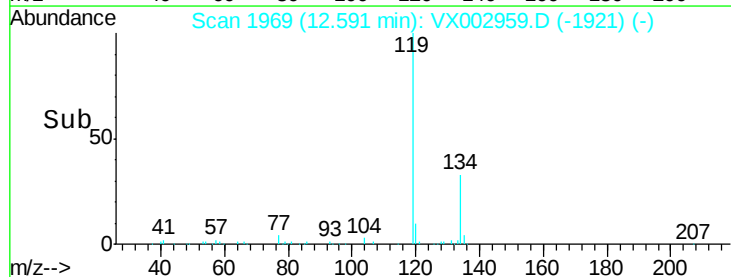
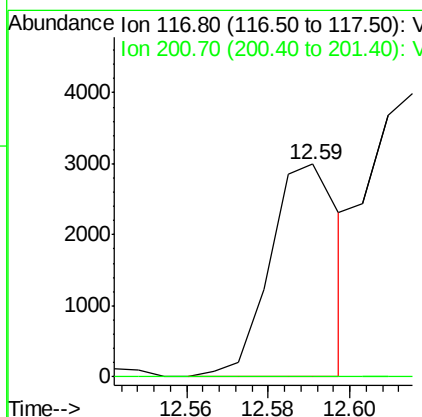
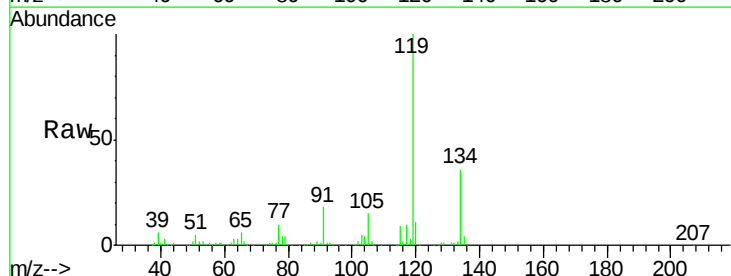
Instrument :
MSVOA_X
ClientSampled :
S83-0019DL

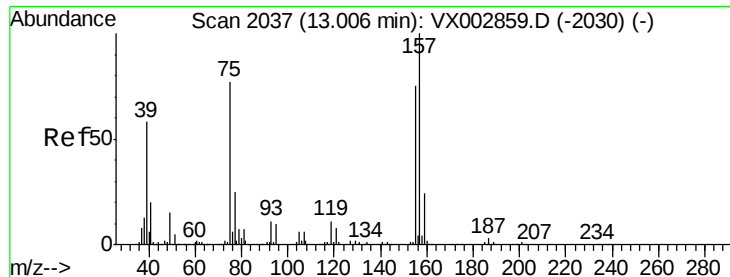
Tot Ion: 91 Resp: 14623
Ion Ratio Lower Upper
91 100
92 23.3 26.0 78.0#
134 148.8 13.5 40.5#



#90
Hexachloroethane
Concen: 1.80 ug/l
RT: 12.59 min Scan# 1969
Delta R.T. -0.01 min
Lab File: VX002959.D
Acq: 28 Jun 2018 02:13

Tgt Ion: 117 Resp: 3542
Ion Ratio Lower Upper
117 100
201 0.0 49.0 147.0#

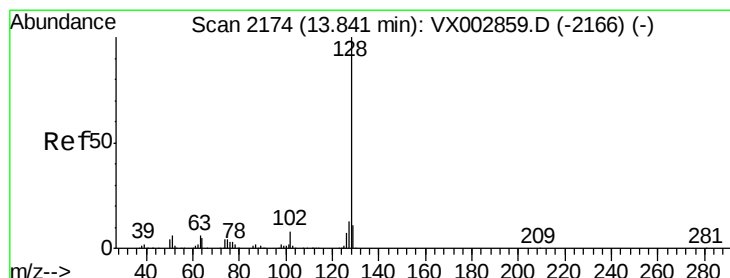
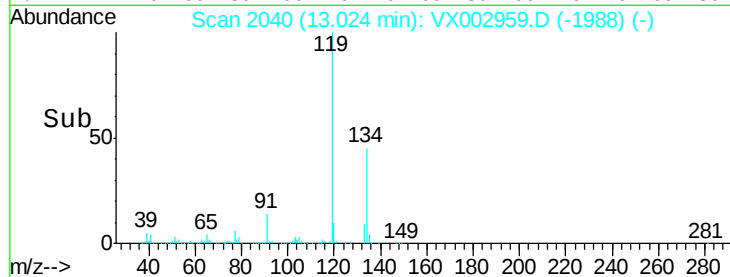
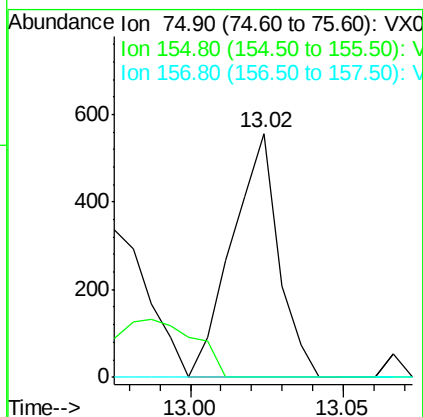
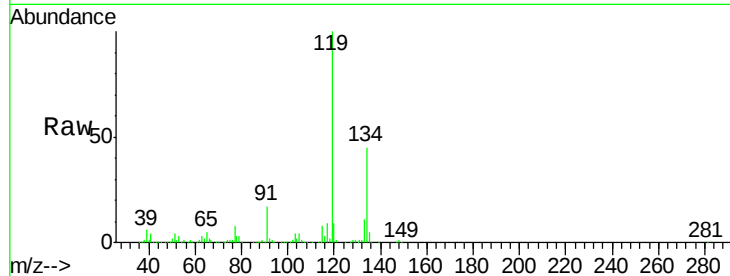




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.58 ug/l
 RT: 13.02 min Scan# 2040
 Delta R.T. 0.02 min
 Lab File: VX002959.D
 Acq: 28 Jun 2018 02:13

Instrument :
 MSVOA_X
 ClientSampled :
 S83-0019DL

Tot Ion: 75 Resp: 589
 Ion Ratio Lower Upper
 75 100
 155 0.0 45.8 137.4#
 157 0.0 60.1 180.3#



#95
 Naphthalene
 Concen: 3.69 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. -0.00 min
 Lab File: VX002959.D
 Acq: 28 Jun 2018 02:13

Tgt Ion: 128 Resp: 54908
 Ion Ratio Lower Upper
 128 100
 127 13.7 10.4 15.6
 129 12.0 8.6 13.0

