

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062718\
 Data File : VX002958.D
 Acq On : 28 Jun 2018 01:46
 Operator : JC/MD
 Sample : J3631-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S83-0019

Quant Time: Jun 28 06:50:08 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	277204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	380732	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	357581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	225555	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	181025	47.25	ug/l	0.00
Spiked Amount			Recovery	=	94.50%	
35) Dibromofluoromethane	5.51	113	144340	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
50) Toluene-d8	8.72	98	545816	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
62) 4-Bromofluorobenzene	11.14	95	203877	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	350	Below Cal		90
3) Chloromethane	1.33	50	953	Below Cal		90
5) Bromomethane	1.66	94	1873	Below Cal		96
6) Chloroethane	1.57	64	736	Below Cal	#	43
10) Methyl Iodide	2.53	142	2573	6.95	ug/l	95
11) Tert butyl alcohol	3.03	59	969	1.27	ug/l	# 73
13) Acrolein	2.32	56	112	4.49	ug/l	# 63
14) Allyl chloride	2.62	41	2867	0.53	ug/l	# 83
15) Acrylonitrile	3.17	53	4262	2.61	ug/l	# 46
16) Acetone	2.45	43	13799	8.70	ug/l	95
17) Carbon Disulfide	2.57	76	4106	0.56	ug/l	97
18) Methyl Acetate	2.84	43	150503	33.93	ug/l	# 55
20) Methylene Chloride	2.84	84	1093	0.35	ug/l	# 1
25) 2-Butanone	4.71	43	2953	1.25	ug/l	97
31) Cyclohexane	5.58	56	281504	58.59	ug/l	96
36) 1,1-Dichloropropene	5.67	75	18168	4.35	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	24808	5.41	ug/l	# 16
39) Methylcyclohexane	7.46	83	301724	62.04	ug/l	99
40) Benzene	6.15	78	3141741	258.98	ug/l	100
42) 1,2-Dichloroethane	6.15	62	29886	6.10	ug/l	# 77
43) Isopropyl Acetate	6.46	43	5353	0.71	ug/l	# 63
45) 1,2-Dichloropropane	7.46	63	3843	1.19	ug/l	# 1
48) Methyl methacrylate	7.74	41	23090	5.94	ug/l	# 56
51) 4-Methyl-2-Pentanone	8.68	43	20349	4.31	ug/l	# 65
52) Toluene	8.79	92	121405	15.62	ug/l	98
55) 1,1,2-Trichloroethane	9.17	97	45163	14.14	ug/l	# 19
56) Ethyl methacrylate	9.16	69	10012	2.15	ug/l	# 1
59) 2-Hexanone	9.52	43	2405	0.67	ug/l	# 64
67) Ethyl Benzene	10.26	91	3720741	247.99	ug/l	100
68) m/p-Xylenes	10.37	106	2234900	386.50	ug/l	98
69) o-Xylene	10.70	106	247531	43.96	ug/l	99
70) Styrene	10.70	104	13284	1.45	ug/l	# 1
73) Isopropylbenzene	11.02	105	448168	29.54	ug/l	100
74) N-amyl acetate	6.46	43	5353	0.72	ug/l	# 59

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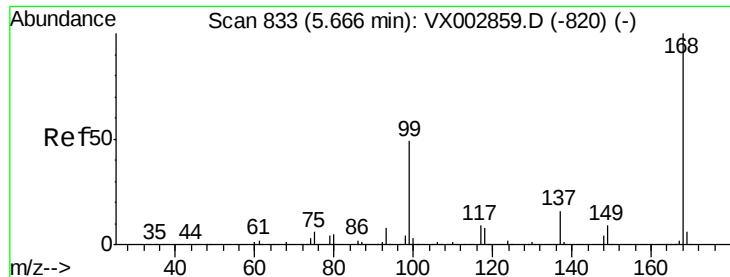
Instrument :
 MSVOA_X
 ClientSampleId :
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Quant Time: Jun 28 06:50:08 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

75) 1,1,2,2-Tetrachloroethane	11.28	83	2444	0.52	ug/l #	50
76) 1,2,3-Trichloropropane	11.36	75	3354	0.82	ug/l #	1
78) n-propylbenzene	11.36	91	495712	28.70	ug/l	100
79) 2-Chlorotoluene	11.44	91	181660	17.37	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.51	105	1359282	106.36	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.02	75	5866	7.25	ug/l #	77
82) 4-Chlorotoluene	11.51	91	148235	11.97	ug/l #	44
83) tert-Butylbenzene	11.77	119	25206	2.00	ug/l	90
84) 1,2,4-Trimethylbenzene	11.81	105	3318209	250.59	ug/l	98
85) sec-Butylbenzene	11.95	105	106674	6.98	ug/l	80
86) p-Isopropyltoluene	12.07	119	138133	10.06	ug/l	99
89) n-Butylbenzene	12.38	91	166776	13.95	ug/l #	1
90) Hexachloroethane	12.59	117	50366	24.65	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.02	75	6197	5.90	ug/l #	1
95) Naphthalene	13.84	128	624440	40.44	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

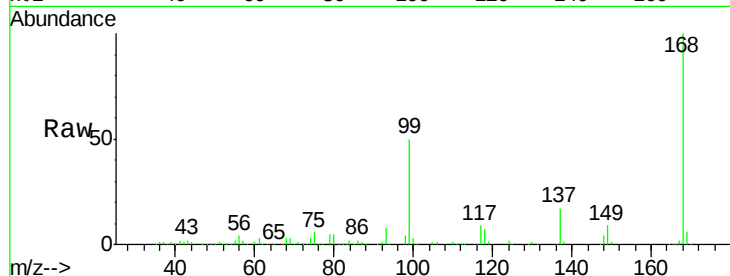
S83-0019

Tot Ion:168 Resp: 277204

Ion Ratio Lower Upper

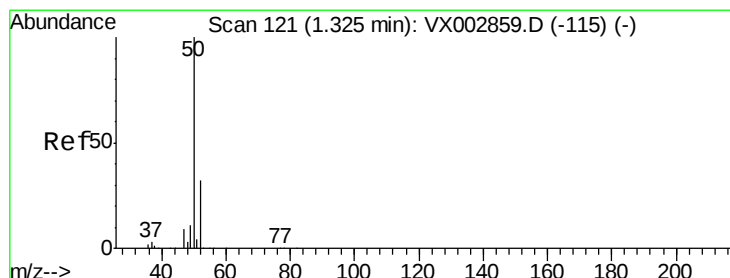
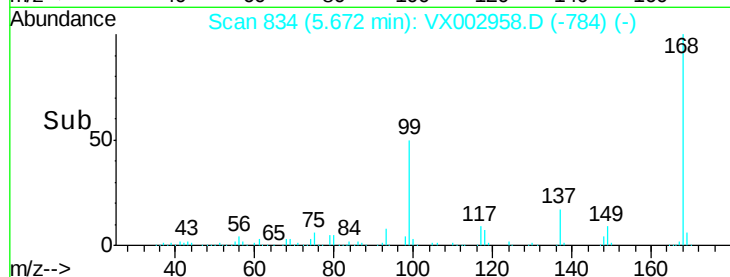
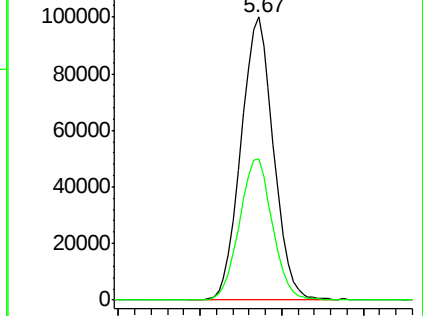
168 100

99 49.8 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002958.D

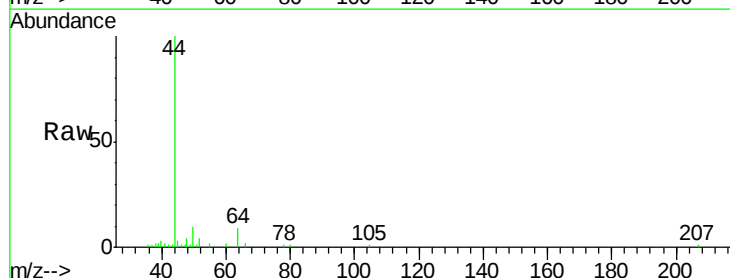
Acq: 28 Jun 2018 01:46

Tgt Ion: 50 Resp: 953

Ion Ratio Lower Upper

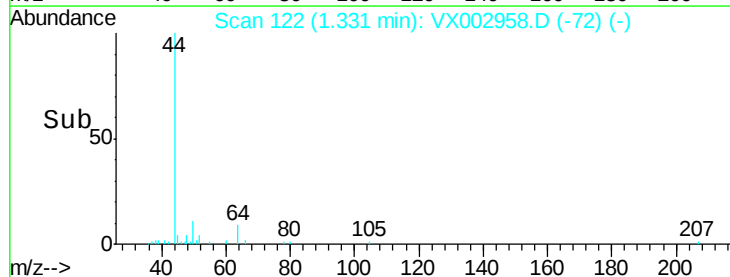
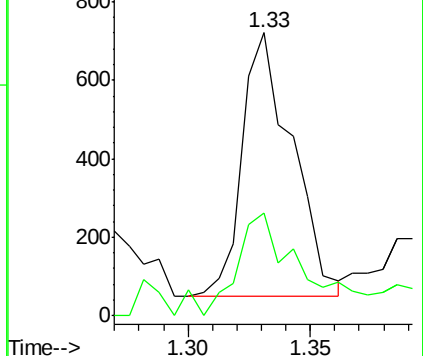
50 100

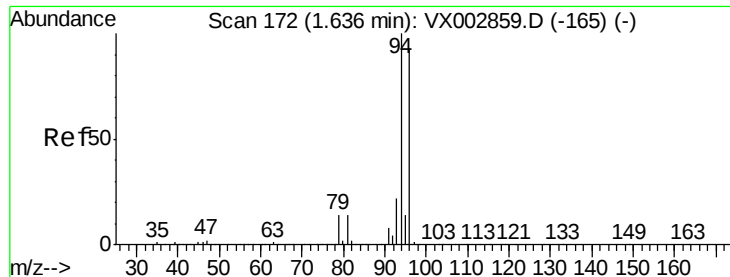
52 26.4 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

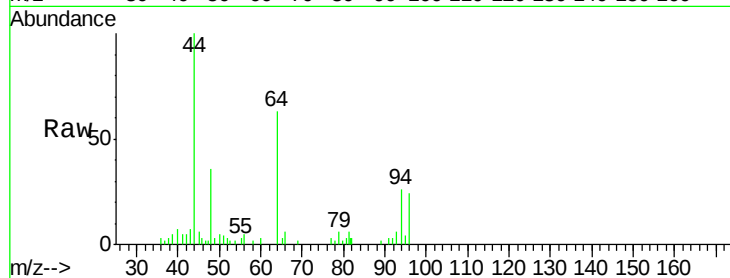
S83-0019

Tot Ion: 94 Resp: 1873

Ion Ratio Lower Upper

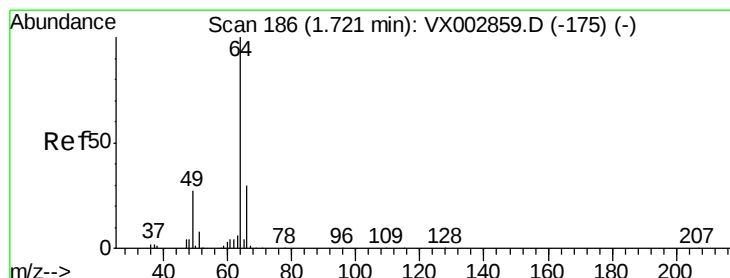
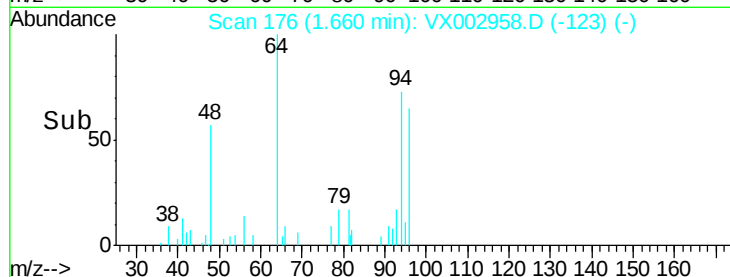
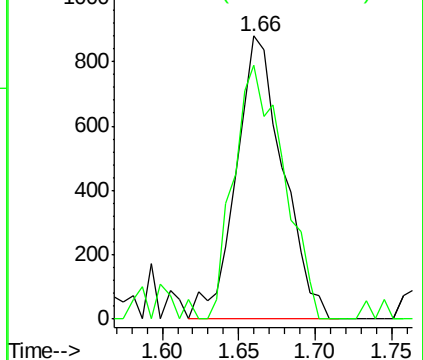
94 100

96 89.6 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.57 min Scan# 161

Delta R.T. -0.15 min

Lab File: VX002958.D

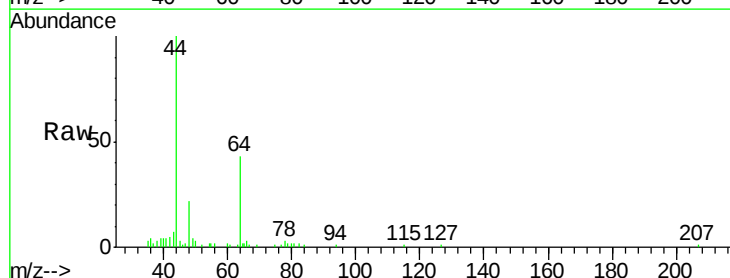
Acq: 28 Jun 2018 01:46

Tgt Ion: 64 Resp: 736

Ion Ratio Lower Upper

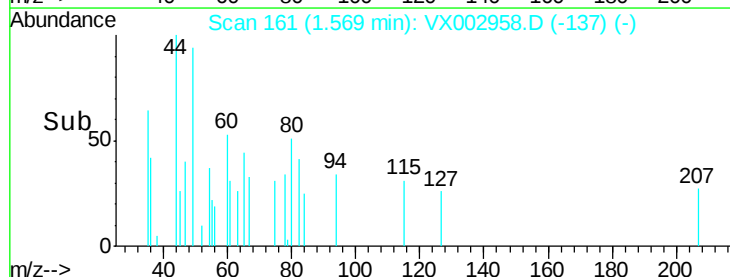
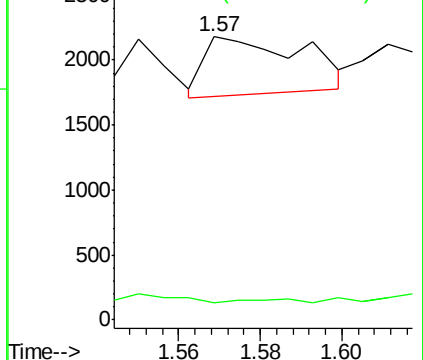
64 100

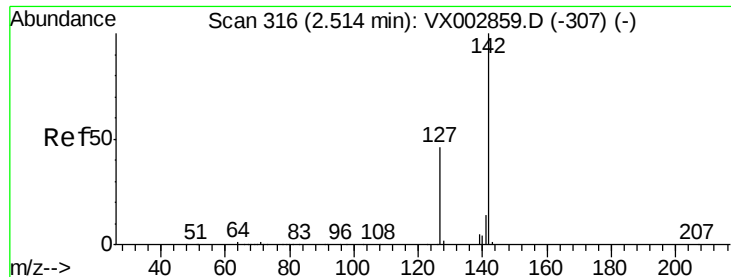
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

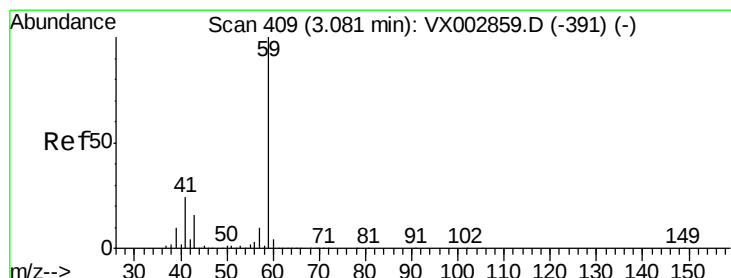
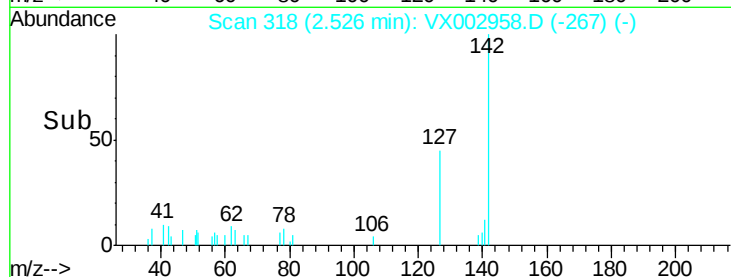
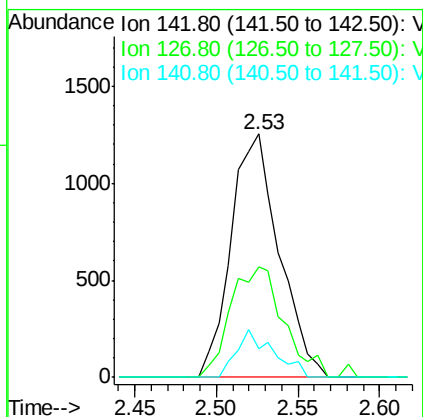
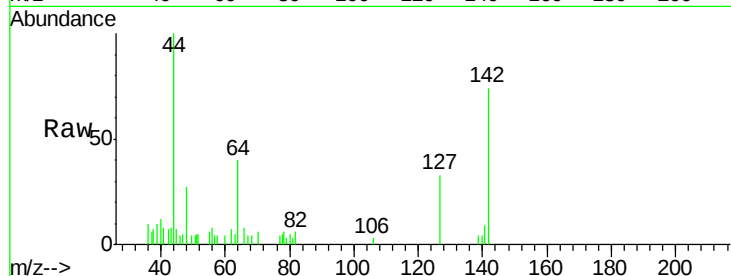




#10
Methyl Iodide
Concen: 6.95 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX002958.D
Acq: 28 Jun 2018 01:46

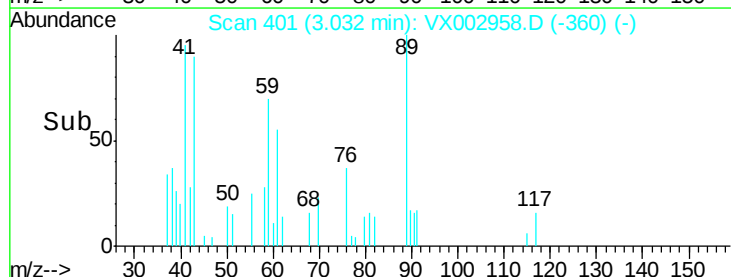
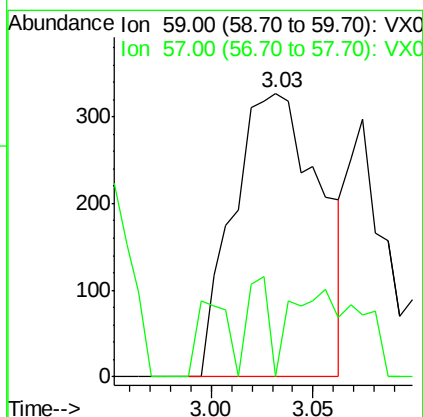
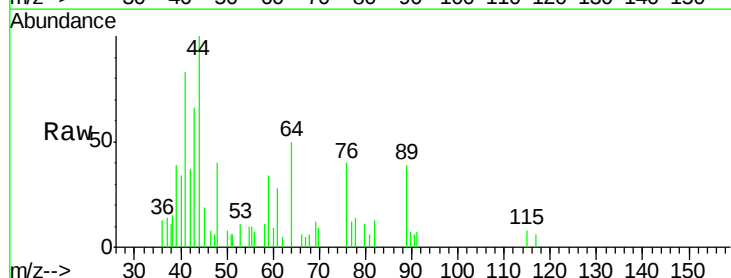
Instrument :
MSVOA_X
ClientSampled :
S83-0019

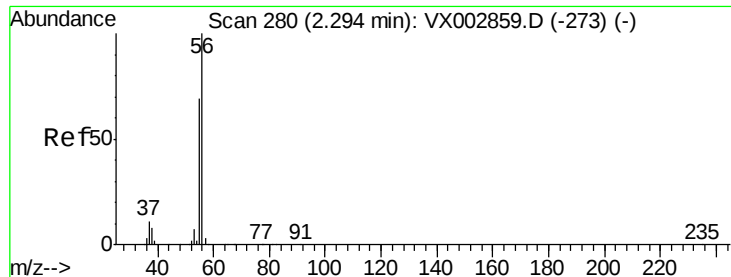
Tot Ion:142 Resp: 2573
Ion Ratio Lower Upper
142 100
127 50.2 36.6 55.0
141 14.8 11.3 16.9



#11
Tert butyl alcohol
Concen: 1.27 ug/l
RT: 3.03 min Scan# 401
Delta R.T. -0.05 min
Lab File: VX002958.D
Acq: 28 Jun 2018 01:46

Tgt Ion: 59 Resp: 969
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 4.49 ug/l

RT: 2.32 min Scan# 285

Delta R.T. 0.03 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

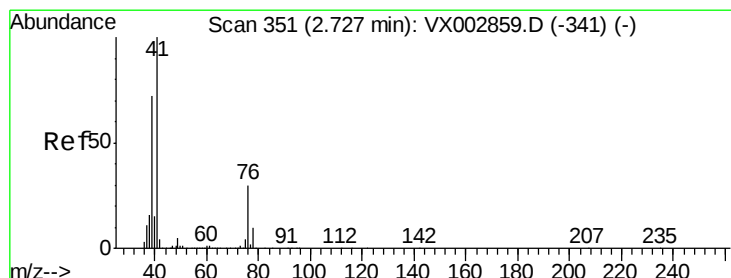
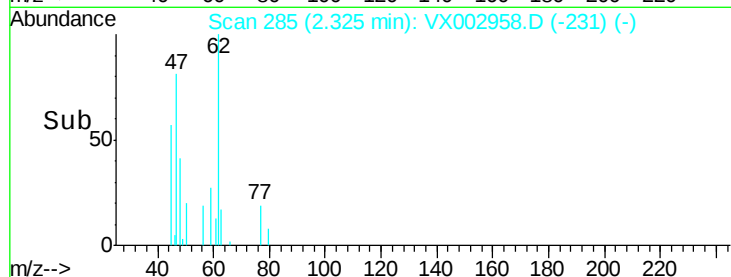
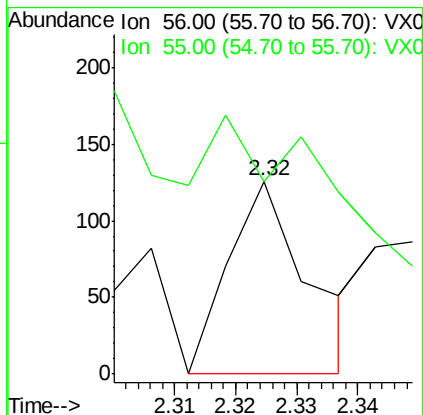
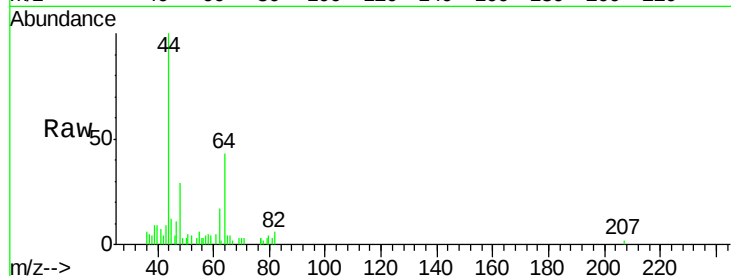
S83-0019

Tot Ion: 56 Resp: 112

Ion Ratio Lower Upper

56 100

55 101.8 57.0 85.4#



#14

Allyl chloride

Concen: 0.53 ug/l

RT: 2.62 min Scan# 333

Delta R.T. -0.11 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

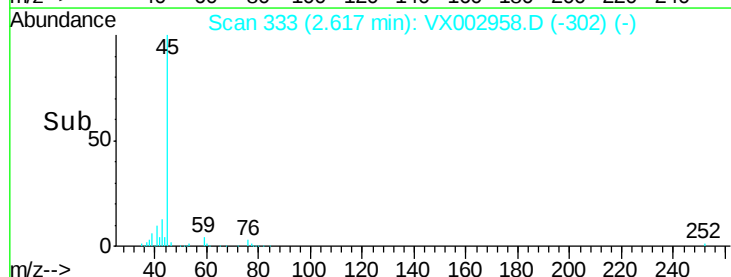
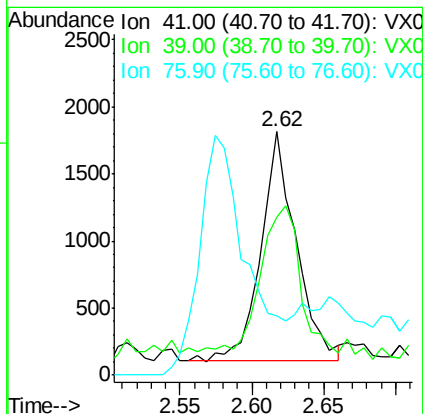
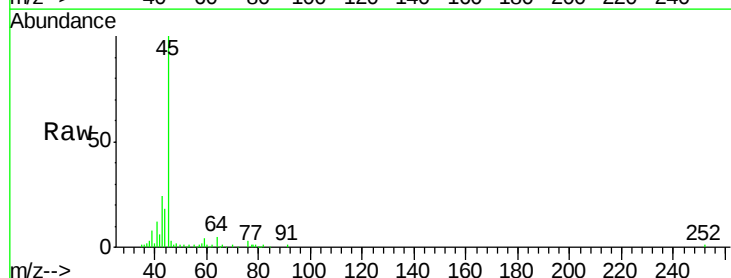
Tgt Ion: 41 Resp: 2867

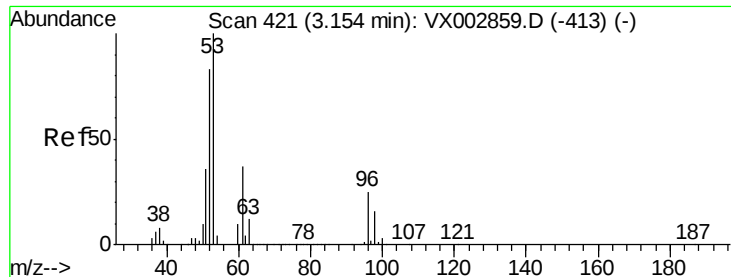
Ion Ratio Lower Upper

41 100

39 71.4 56.8 85.2

76 0.0 23.8 35.8#





#15

Acrylonitrile

Concen: 2.61 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.02 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

S83-0019

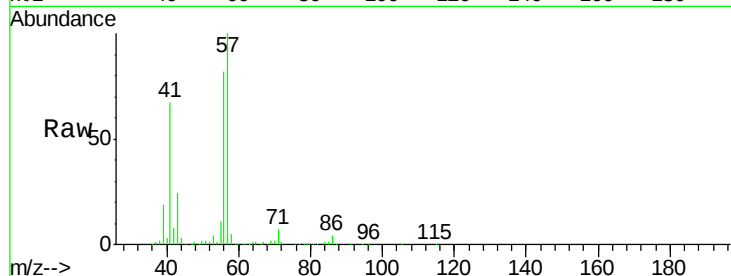
Tot Ion: 53 Resp: 4262

Ion Ratio Lower Upper

53 100

52 28.0 66.7 100.1#

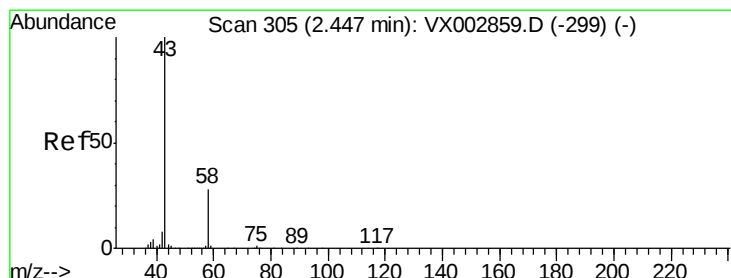
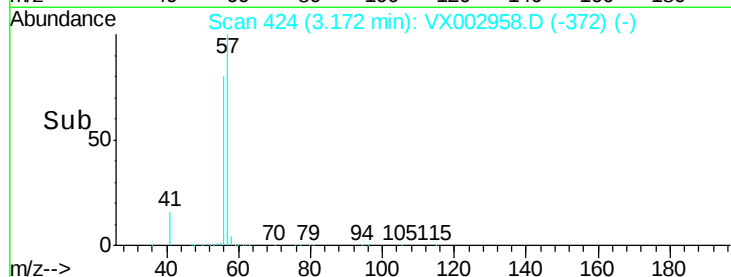
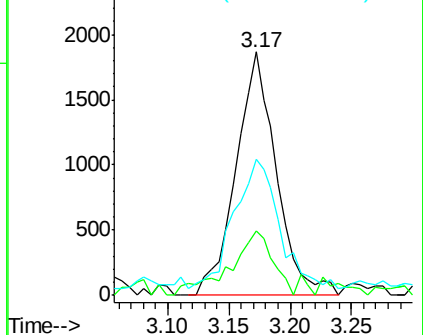
51 59.5 29.9 44.9#



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: 8.70 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX002958.D

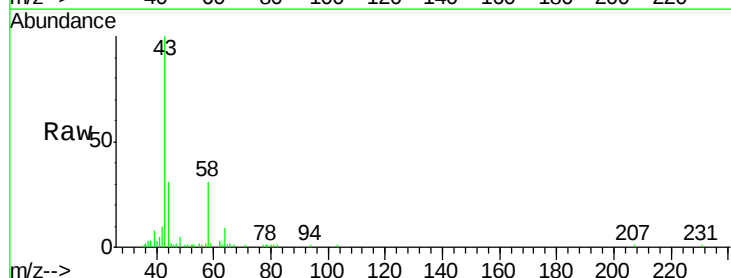
Acq: 28 Jun 2018 01:46

Tgt Ion: 43 Resp: 13799

Ion Ratio Lower Upper

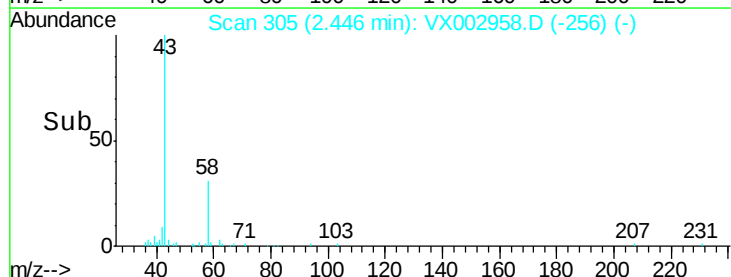
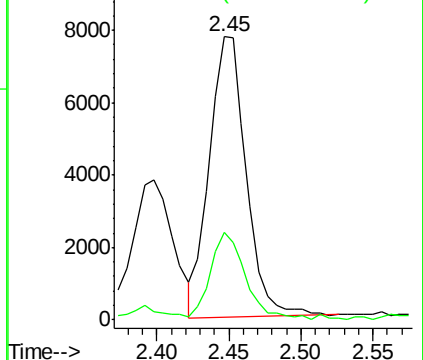
43 100

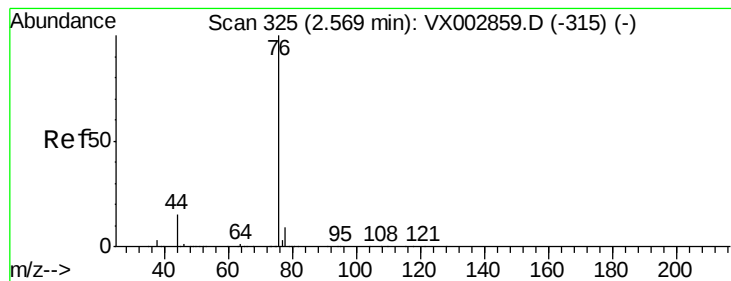
58 30.5 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.56 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

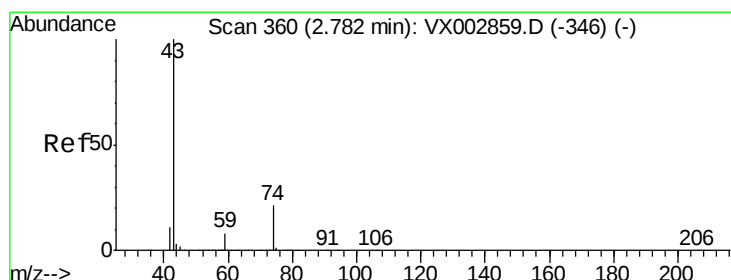
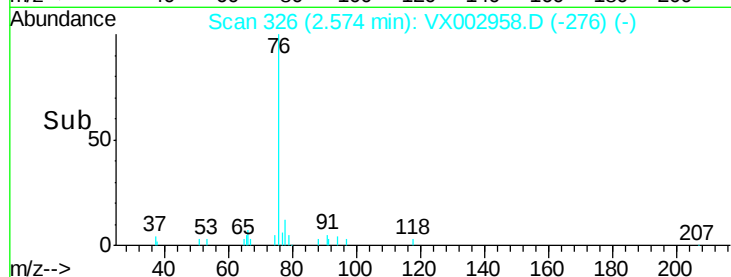
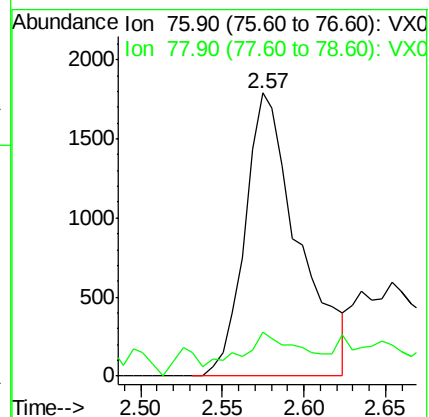
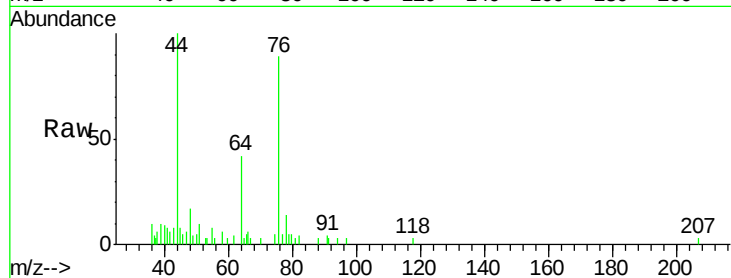
S83-0019

Tot Ion: 76 Resp: 4106

Ion Ratio Lower Upper

76 100

78 7.4 6.9 10.3



#18

Methyl Acetate

Concen: 33.93 ug/l

RT: 2.84 min Scan# 370

Delta R.T. 0.06 min

Lab File: VX002958.D

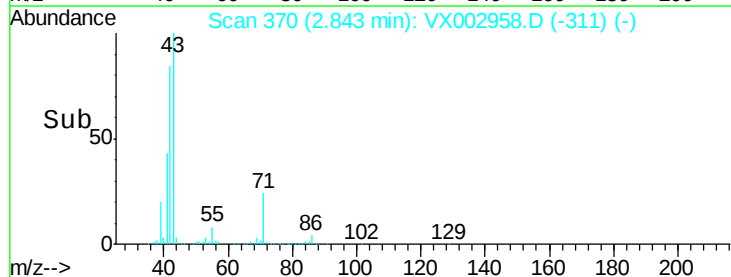
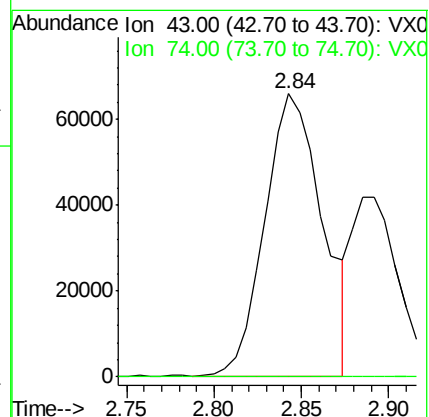
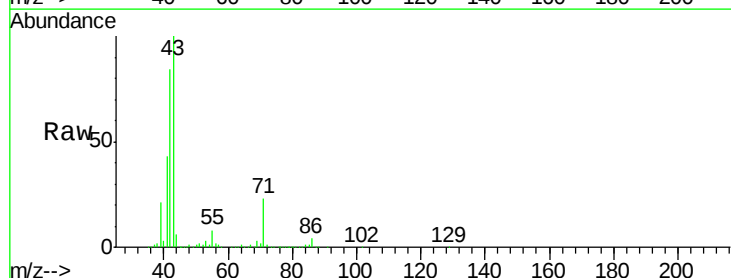
Acq: 28 Jun 2018 01:46

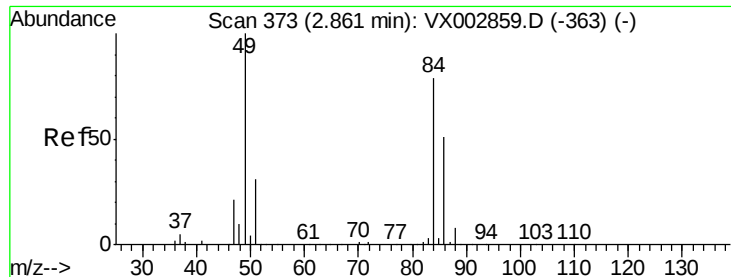
Tgt Ion: 43 Resp: 150503

Ion Ratio Lower Upper

43 100

74 0.1 16.7 25.1#

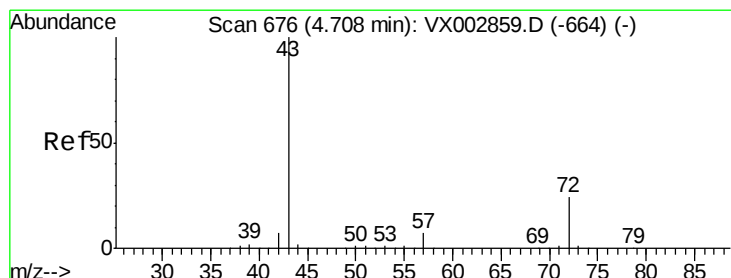
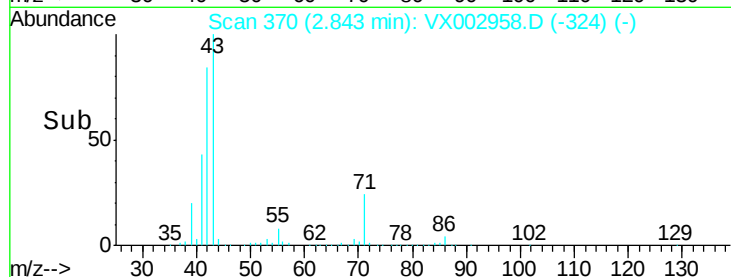
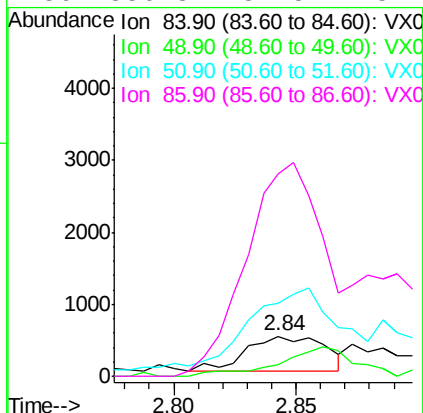
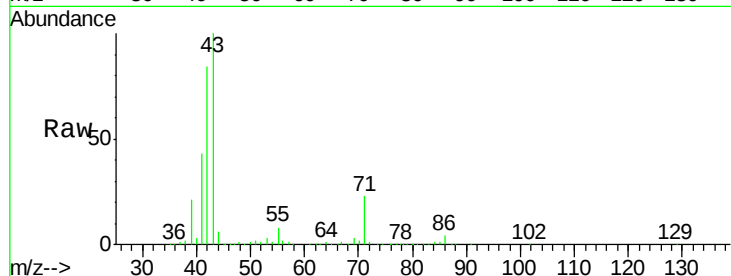




#20
Methylene Chloride
Concen: 0.35 ug/l
RT: 2.84 min Scan# 370
Delta R.T. -0.02 min
Lab File: VX002958.D
Acq: 28 Jun 2018 01:46

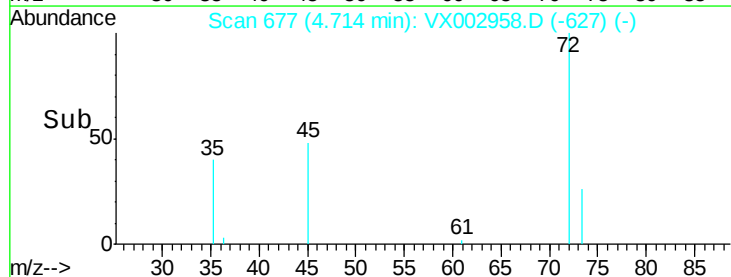
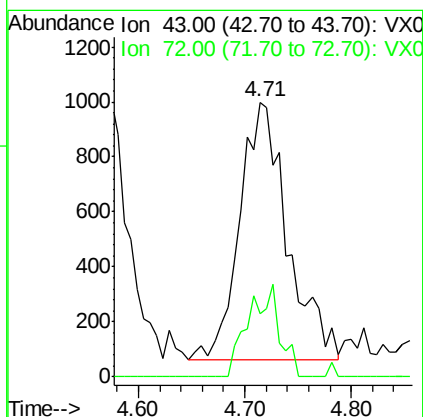
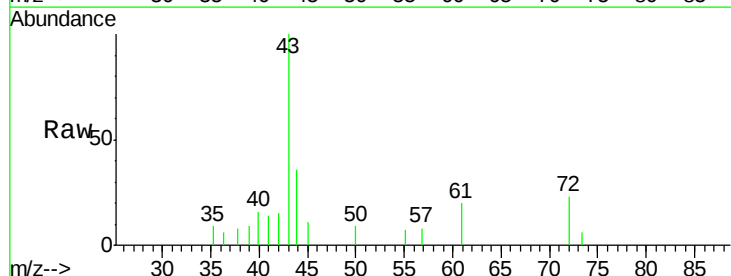
Instrument :
MSVOA_X
ClientSampleId :
S83-0019

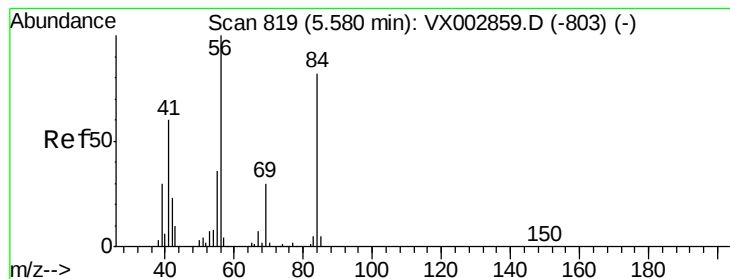
Tot Ion: 84 Resp: 1093
Ion Ratio Lower Upper
84 100
49 34.1 107.8 161.6#
51 179.5 32.8 49.2#
86 556.3 52.5 78.7#



#25
2-Butanone
Concen: 1.25 ug/l
RT: 4.71 min Scan# 677
Delta R.T. 0.01 min
Lab File: VX002958.D
Acq: 28 Jun 2018 01:46

Tgt Ion: 43 Resp: 2953
Ion Ratio Lower Upper
43 100
72 24.4 18.5 27.7





#31

Cyclohexane

Concen: 58.59 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

S83-0019

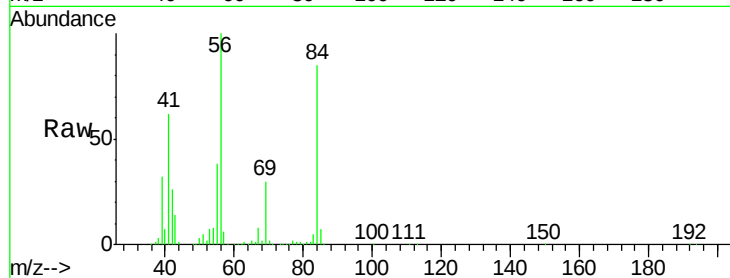
Tot Ion: 56 Resp: 281504

Ion Ratio Lower Upper

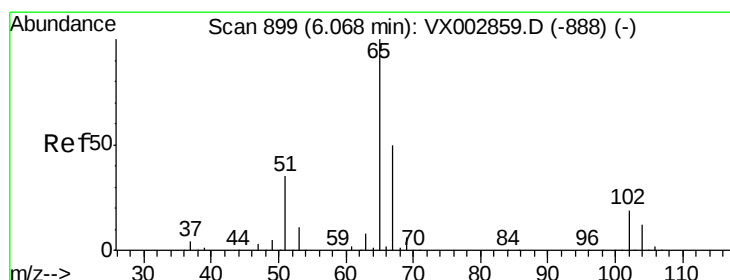
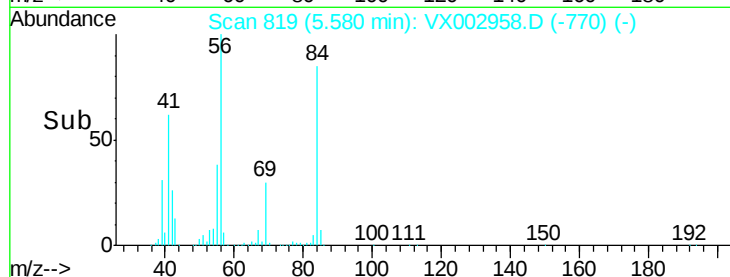
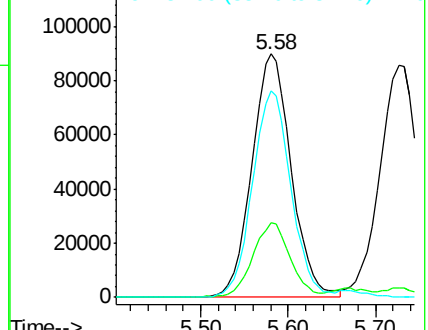
56 100

69 30.3 23.7 35.5

84 84.8 64.1 96.1



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



#33

1,2-Dichloroethane-d4

Concen: 47.25 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX002958.D

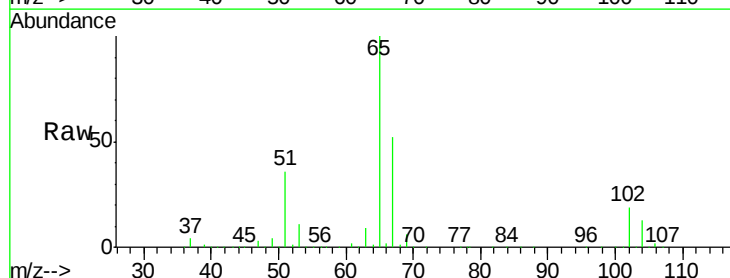
Acq: 28 Jun 2018 01:46

Tgt Ion: 65 Resp: 181025

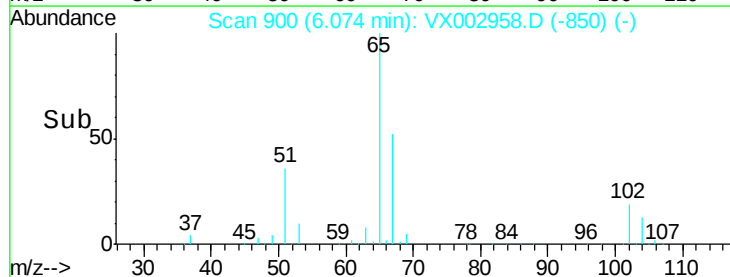
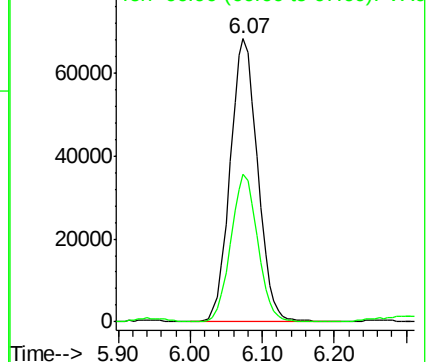
Ion Ratio Lower Upper

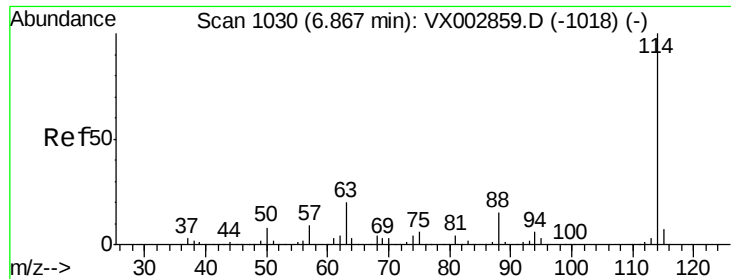
65 100

67 50.7 0.0 102.6



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





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

S83-0019

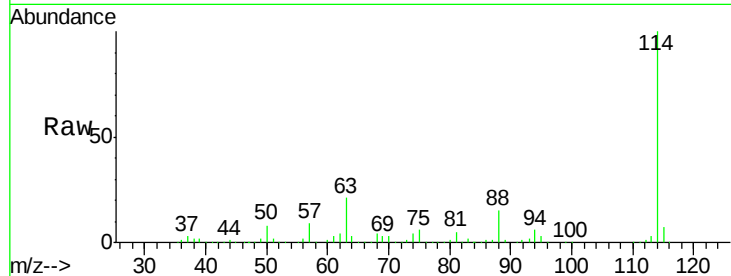
Tot Ion:114 Resp: 380732

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.4

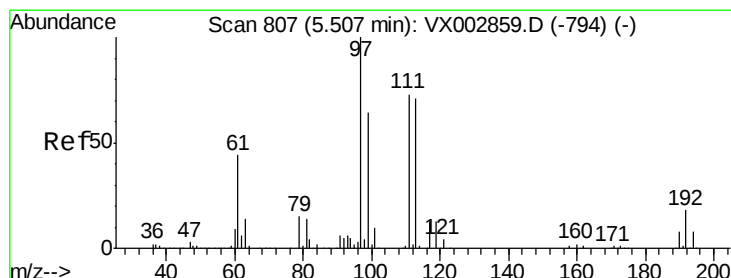
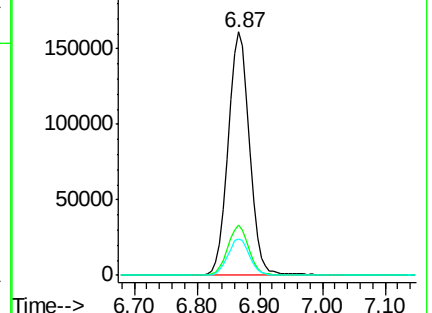
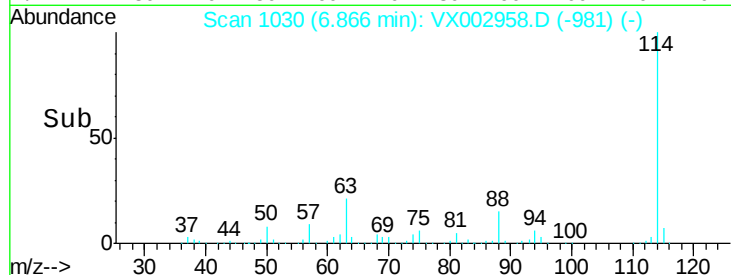
88 15.1 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.87 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

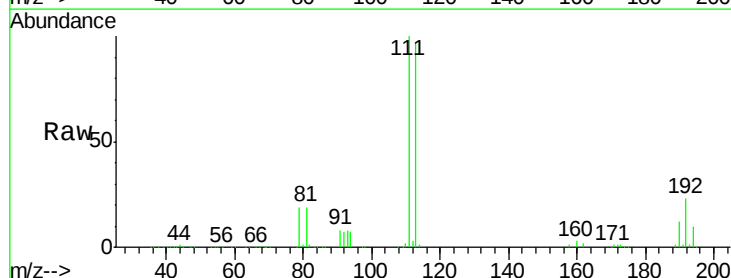
Tgt Ion:113 Resp: 144340

Ion Ratio Lower Upper

113 100

111 101.1 81.4 122.0

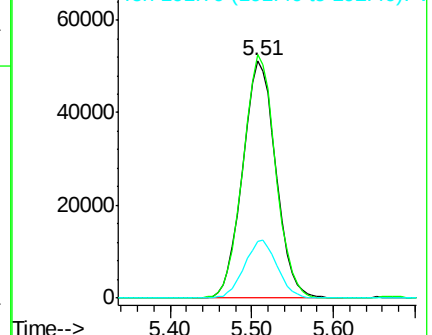
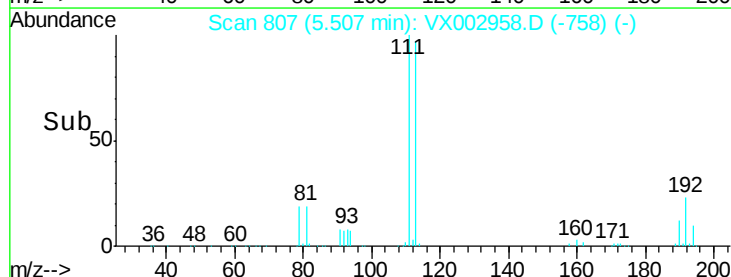
192 24.2 19.1 28.7

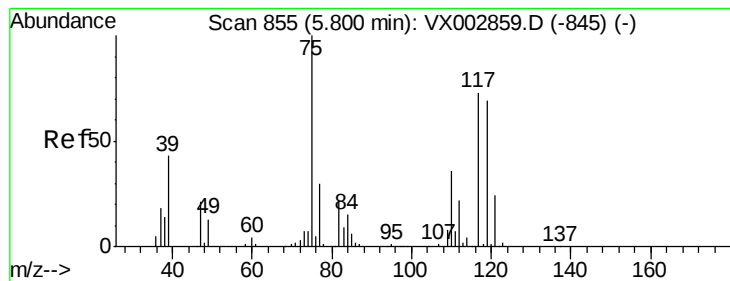


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.35 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

Instrument :

MSVOA_X

ClientSampled :

S83-0019

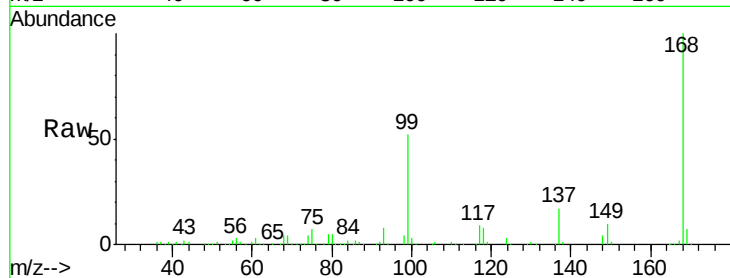
Tot Ion: 75 Resp: 18168

Ion Ratio Lower Upper

75 100

110 9.8 18.1 54.4#

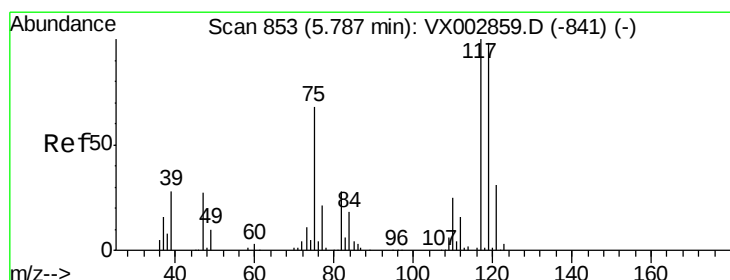
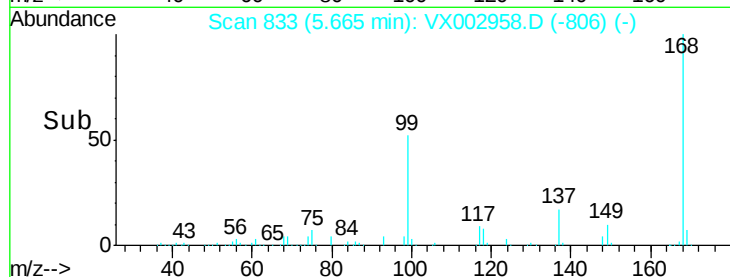
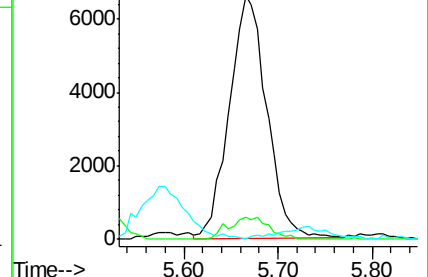
77 0.0 24.3 36.5#



Abundance Ion 74.90 (74.60 to 75.60): VX002859.D (-845) (-)

Ion 109.90 (109.60 to 110.60): VX002859.D (-845) (-)

Ion 76.90 (76.60 to 77.60): VX002859.D (-845) (-)



#38

Carbon Tetrachloride

Concen: 5.41 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

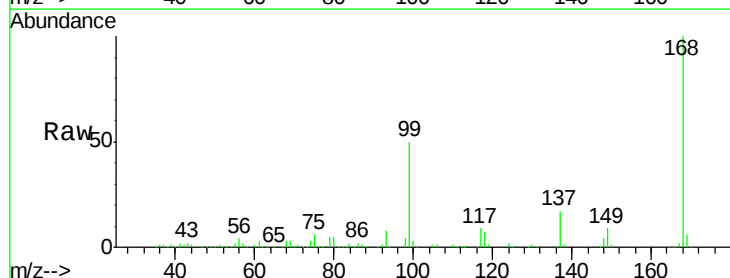
Tgt Ion: 117 Resp: 24808

Ion Ratio Lower Upper

117 100

119 5.7 77.4 116.0#

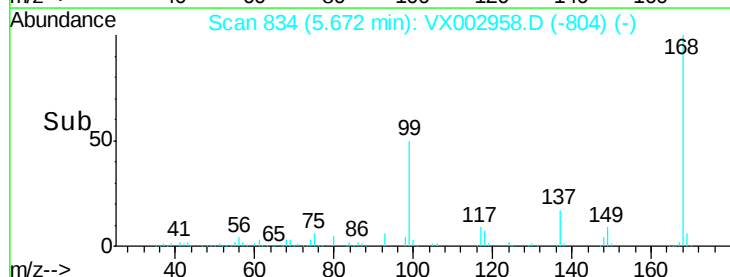
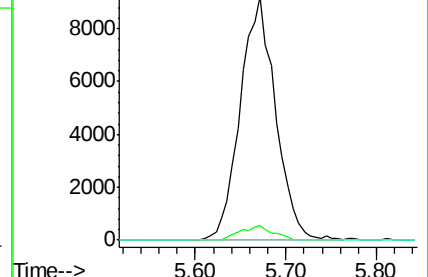
121 0.0 24.4 36.6#

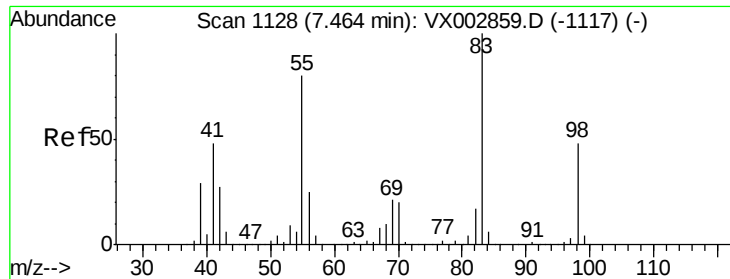


Abundance Ion 116.80 (116.50 to 117.50): VX002859.D (-841) (-)

Ion 118.80 (118.50 to 119.50): VX002859.D (-841) (-)

Ion 120.80 (120.50 to 121.50): VX002859.D (-841) (-)

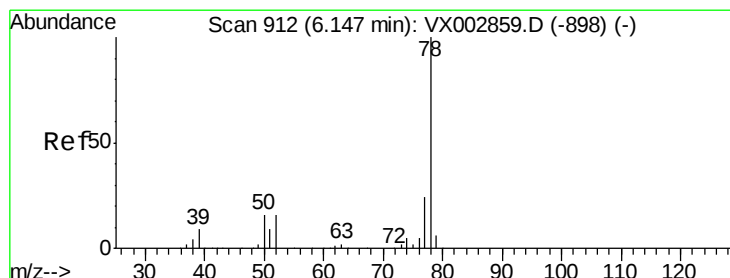
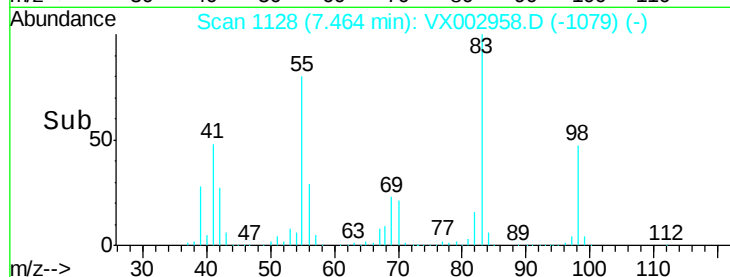
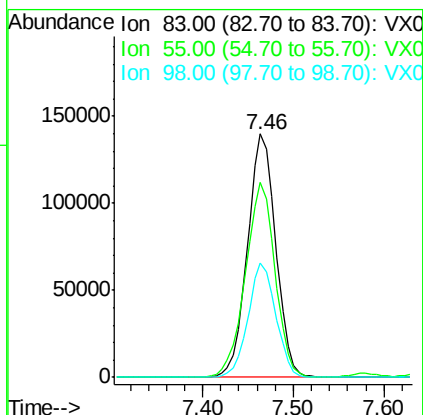
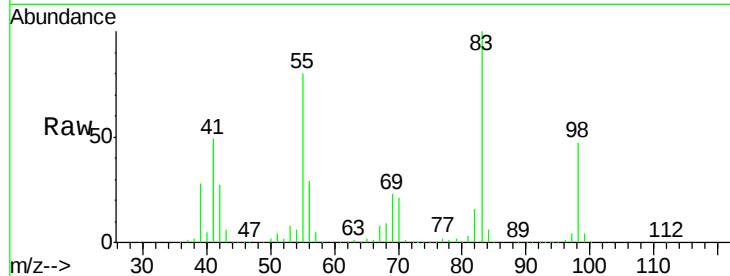




#39
Methvlcvclohexane
Concen: 62.04 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002958.D
Acq: 28 Jun 2018 01:46

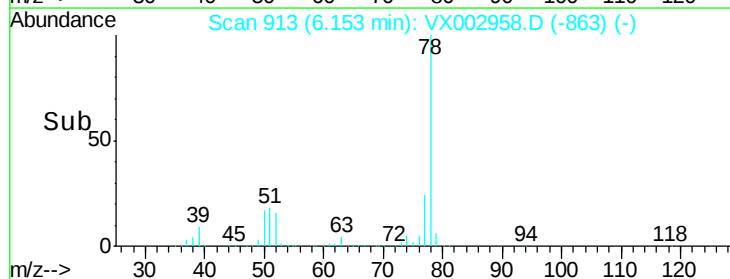
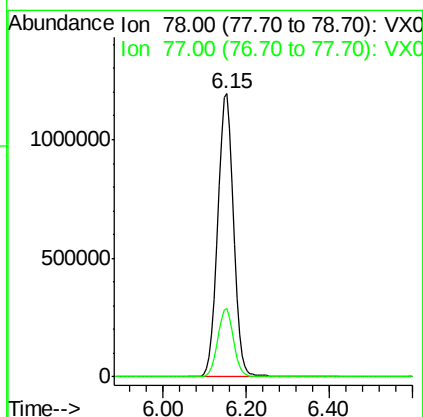
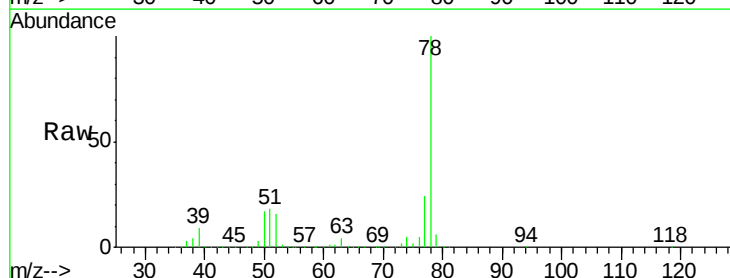
Instrument :
MSVOA_X
ClientSampleId :
S83-0019

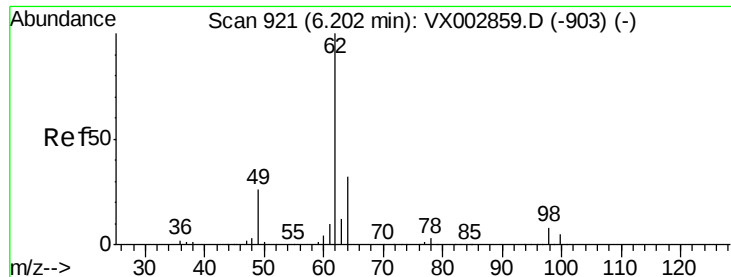
Tot Ion: 83 Resp: 301724
Ion Ratio Lower Upper
83 100
55 80.0 65.4 98.0
98 47.2 37.4 56.0



#40
Benzene
Concen: 258.98 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.01 min
Lab File: VX002958.D
Acq: 28 Jun 2018 01:46

Tgt Ion: 78 Resp: 3141741
Ion Ratio Lower Upper
78 100
77 24.1 19.1 28.7





#42

1,2-Dichloroethane

Concen: 6.10 ug/l

RT: 6.15 min Scan# 913

Delta R.T. -0.05 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

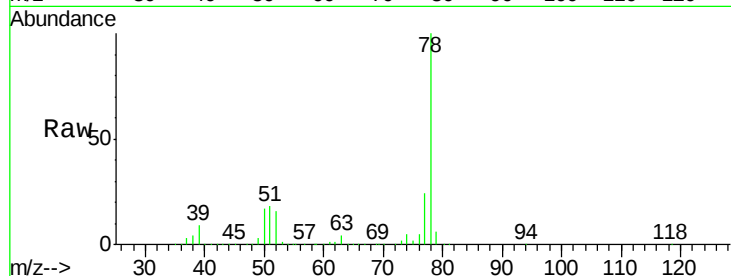
S83-0019

Tot Ion: 62 Resp: 29886

Ion Ratio Lower Upper

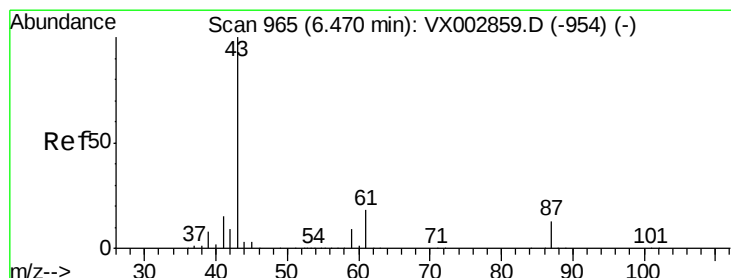
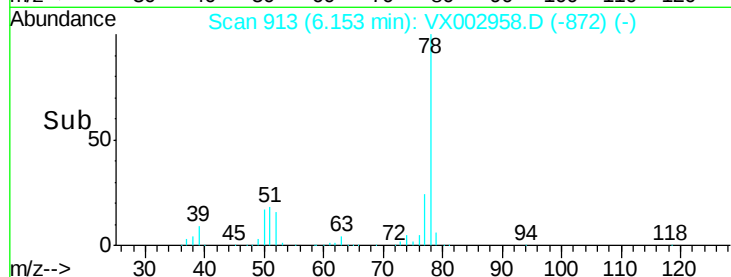
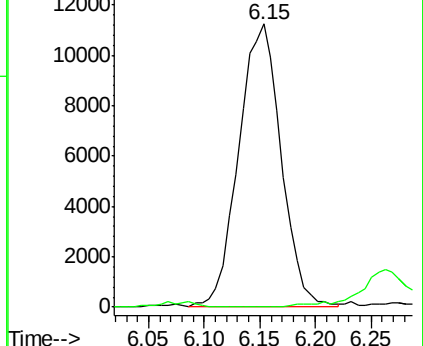
62 100

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



#43

Isopropyl Acetate

Concen: 0.71 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

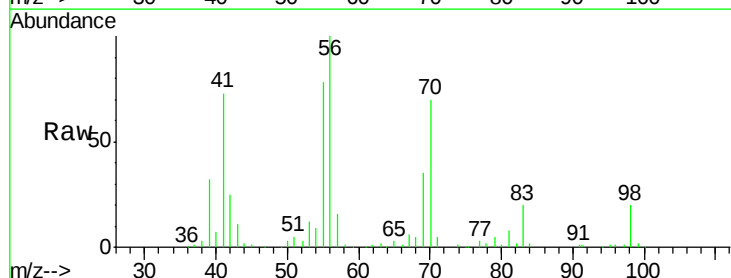
Tgt Ion: 43 Resp: 5353

Ion Ratio Lower Upper

43 100

61 0.0 14.4 21.6#

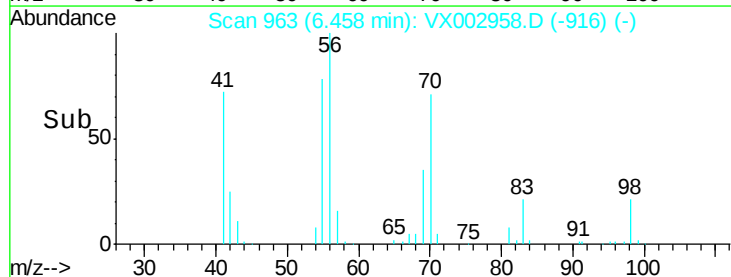
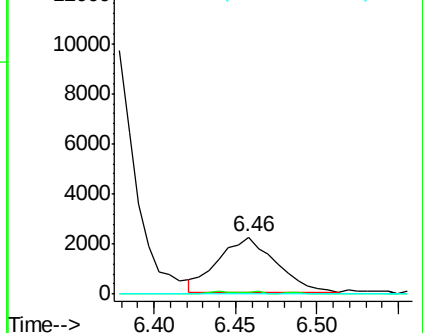
87 0.0 9.5 14.3#

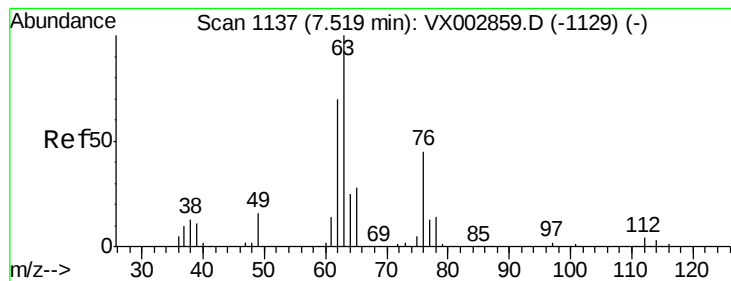


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#45

1,2-Dichloropropane

Concen: 1.19 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. -0.06 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

Instrument :

MSVOA_X

ClientSampled :

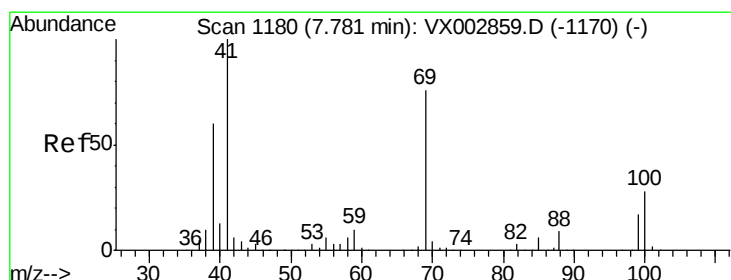
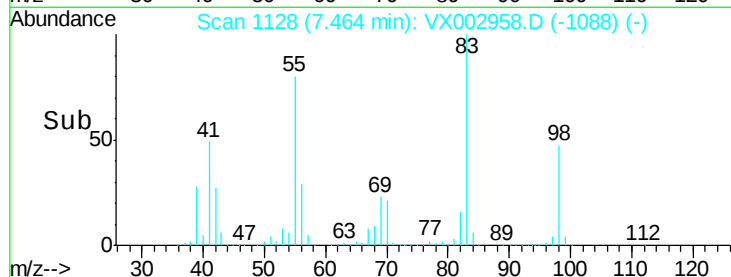
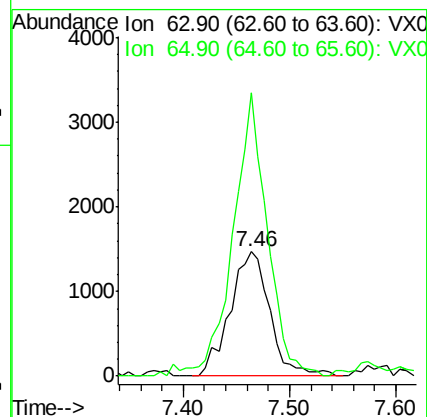
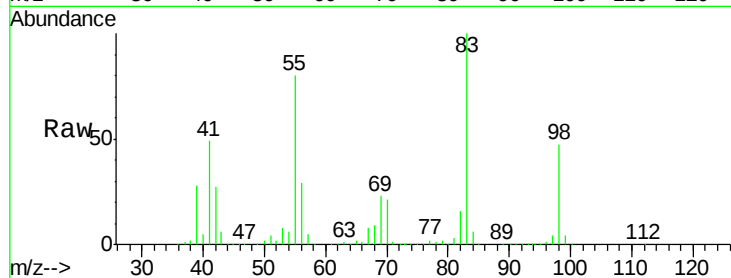
S83-0019

Tot Ion: 63 Resp: 3843

Ion Ratio Lower Upper

63 100

65 223.6 24.7 37.1#



#48

Methyl methacrylate

Concen: 5.94 ug/l

RT: 7.74 min Scan# 1173

Delta R.T. -0.04 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

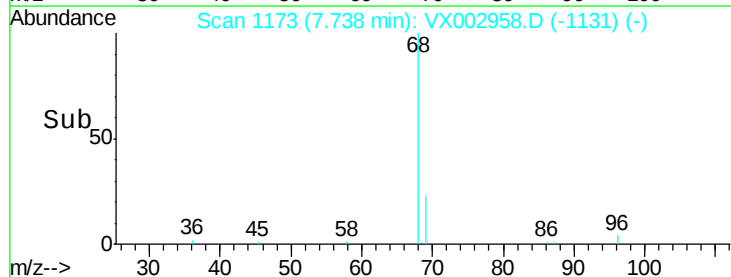
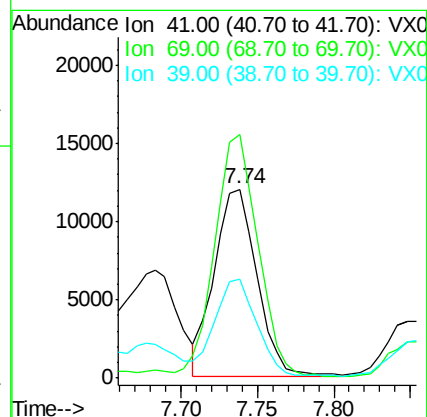
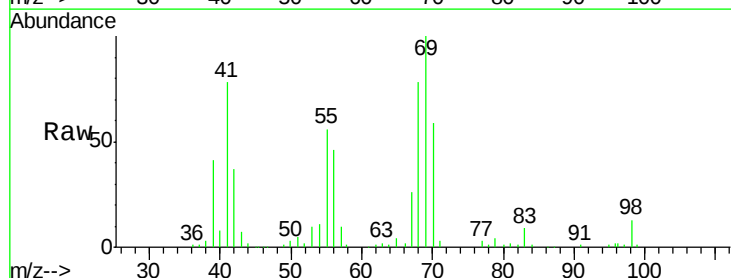
Tgt Ion: 41 Resp: 23090

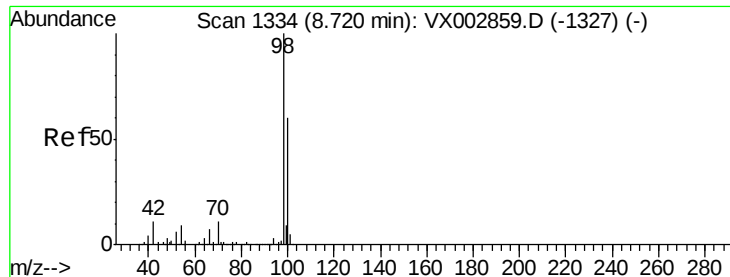
Ion Ratio Lower Upper

41 100

69 132.2 59.1 88.7#

39 50.7 48.9 73.3





#50

Toluene-d8

Concen: 49.57 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

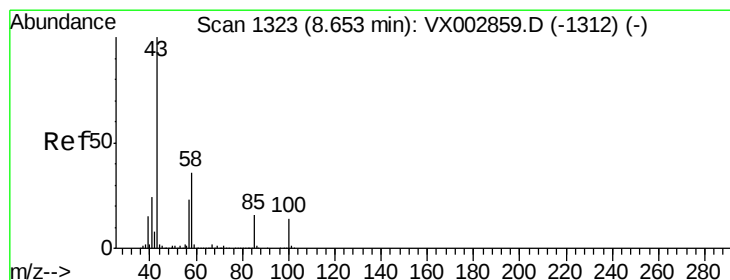
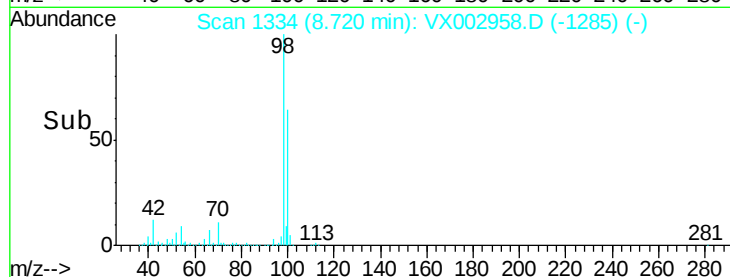
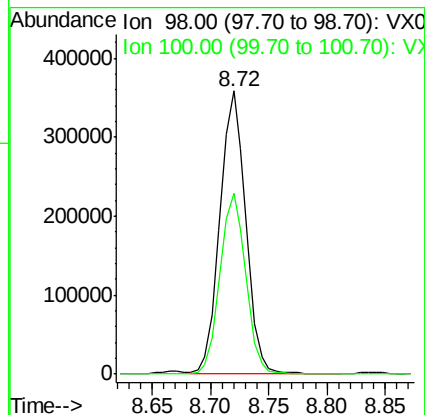
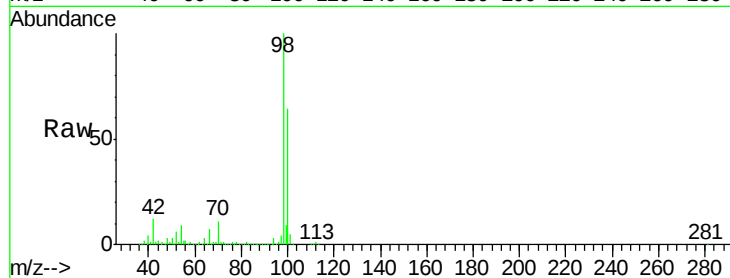
S83-0019

Tot Ion: 98 Resp: 545816

Ion Ratio Lower Upper

98 100

100 64.3 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 4.31 ug/l

RT: 8.68 min Scan# 1327

Delta R.T. 0.02 min

Lab File: VX002958.D

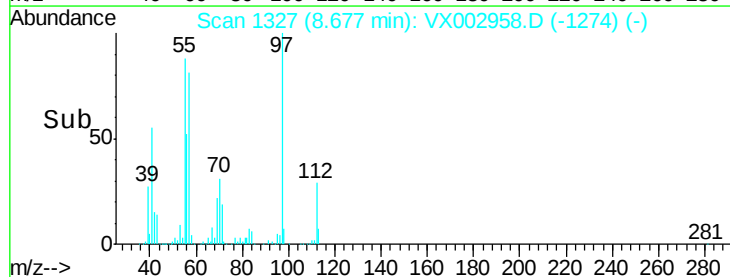
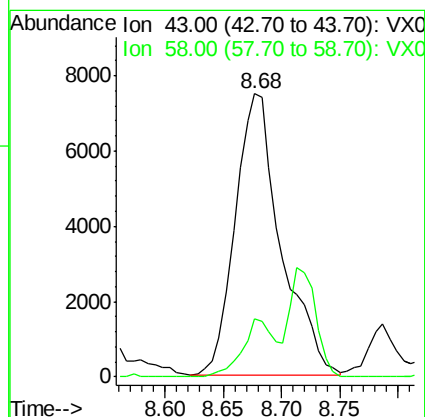
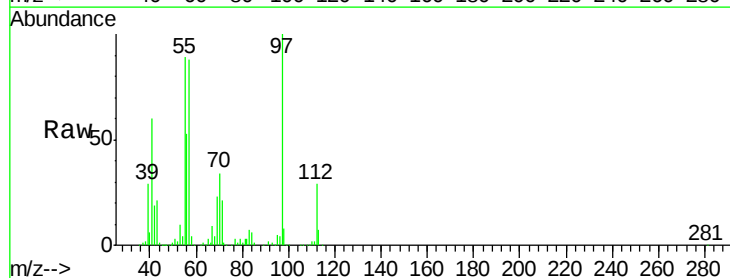
Acq: 28 Jun 2018 01:46

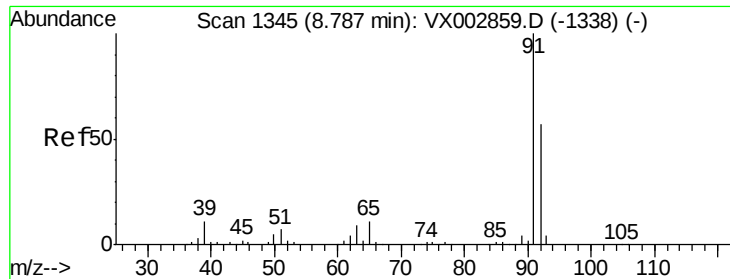
Tgt Ion: 43 Resp: 20349

Ion Ratio Lower Upper

43 100

58 15.3 28.6 42.8#





#52

Toluene

Concen: 15.62 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

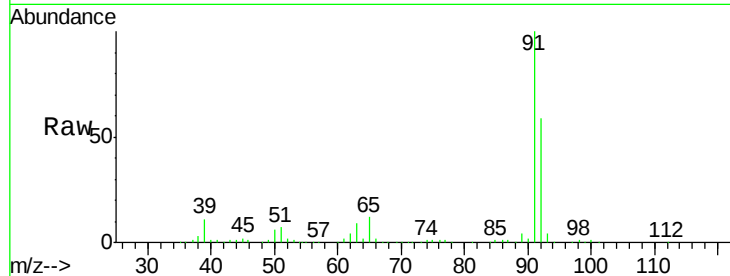
S83-0019

Tot Ion: 92 Resp: 121405

Ion Ratio Lower Upper

92 100

91 172.9 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

150000

100000

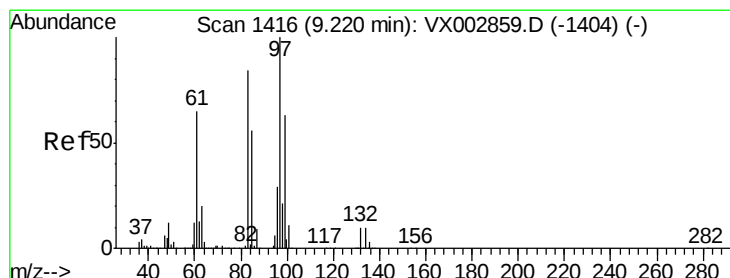
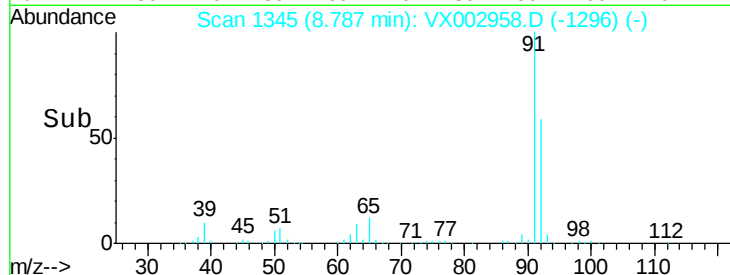
50000

0

8.79

8.70 8.80 8.90

Time-->



#55

1,1,2-Trichloroethane

Concen: 14.14 ug/l

RT: 9.17 min Scan# 1408

Delta R.T. -0.05 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

Tgt Ion: 97 Resp: 45163

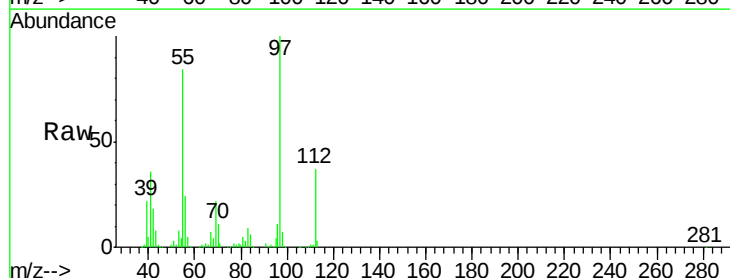
Ion Ratio Lower Upper

97 100

83 8.2 70.2 105.2#

85 0.4 44.9 67.3#

99 0.4 49.8 74.8#



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

40000

30000

20000

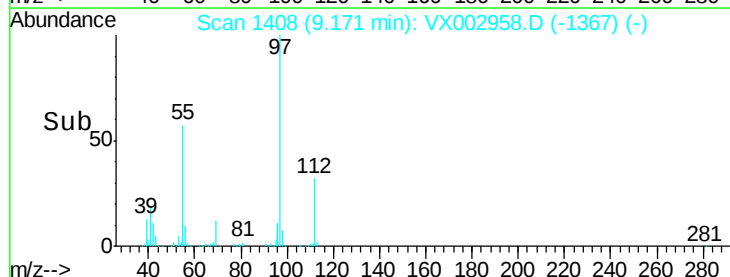
10000

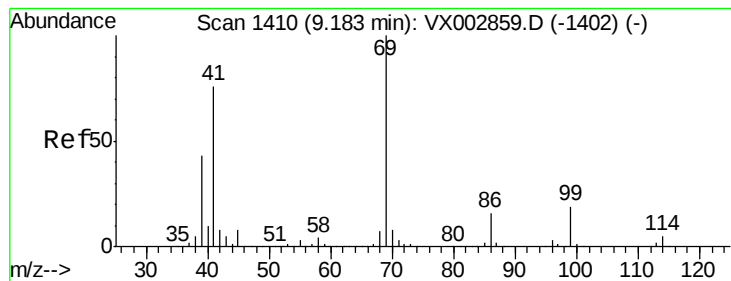
0

9.17

9.10 9.15 9.20 9.25

Time-->





#56

Ethyl methacrylate

Concen: 2.15 ug/l

RT: 9.16 min Scan# 1407

Delta R.T. -0.02 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

Instrument :

MSVOA_X

ClientSampled :

S83-0019

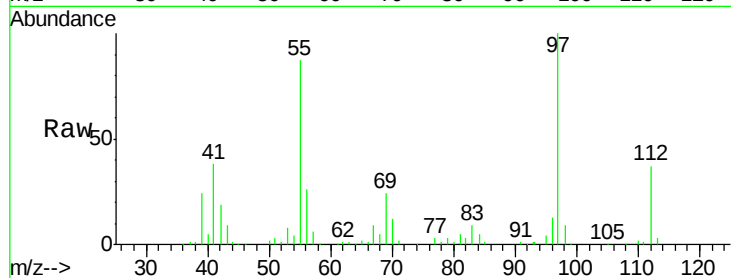
Tot Ion: 69 Resp: 10012

Ion Ratio Lower Upper

69 100

41 175.5 60.3 90.5#

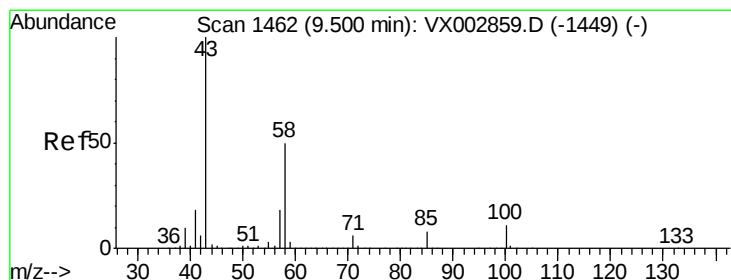
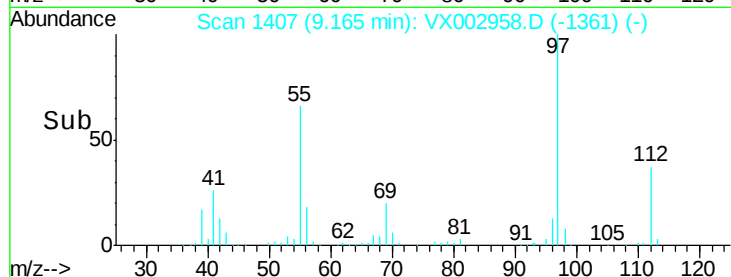
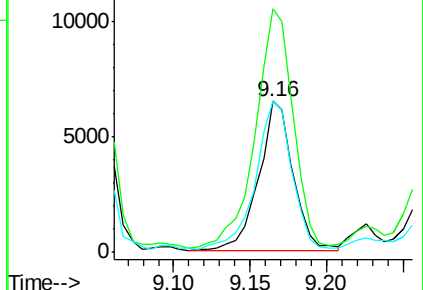
39 104.4 35.8 53.8#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#59

2-Hexanone

Concen: 0.67 ug/l

RT: 9.52 min Scan# 1465

Delta R.T. 0.02 min

Lab File: VX002958.D

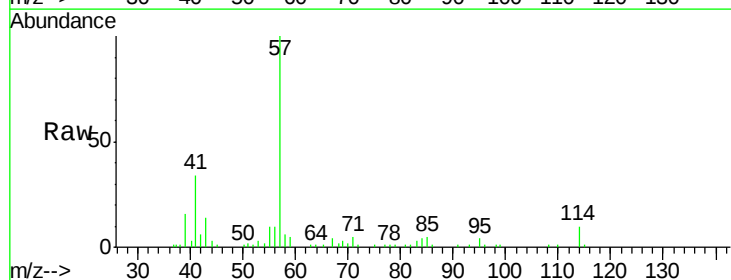
Acq: 28 Jun 2018 01:46

Tgt Ion: 43 Resp: 2405

Ion Ratio Lower Upper

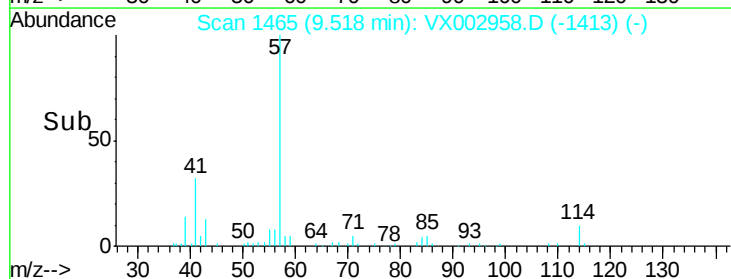
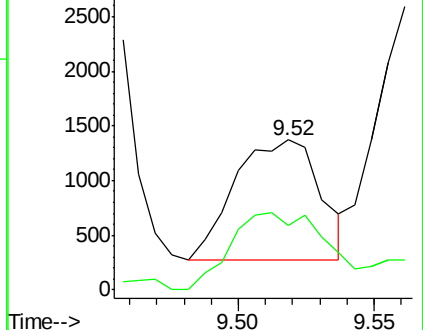
43 100

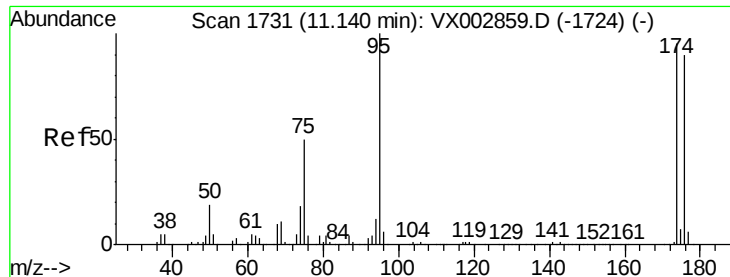
58 73.7 24.6 73.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 48.01 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

Instrument :

MSVOA_X

ClientSampled :

S83-0019

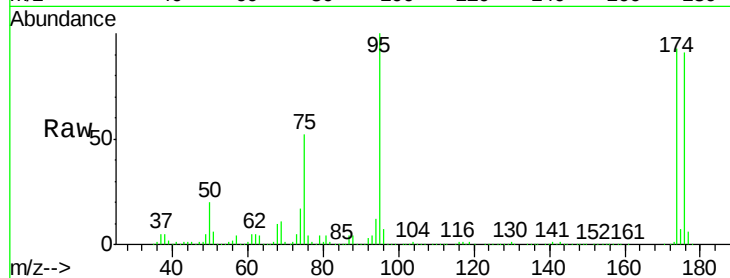
Tot Ion: 95 Resp: 203877

Ion Ratio Lower Upper

95 100

174 95.6 0.0 187.4

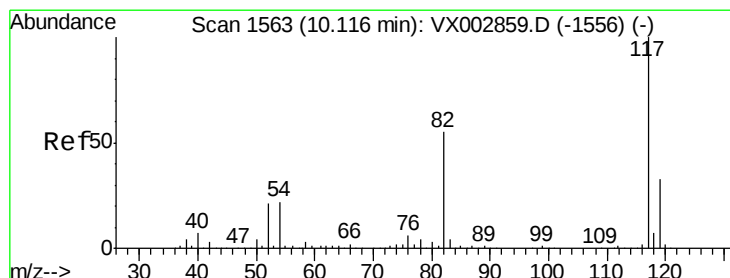
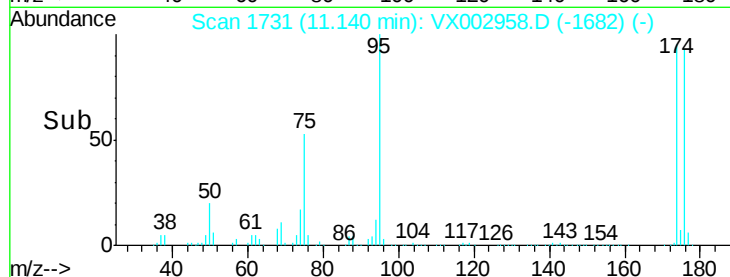
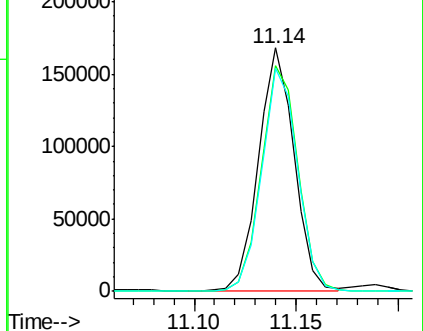
176 92.8 0.0 181.0



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: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

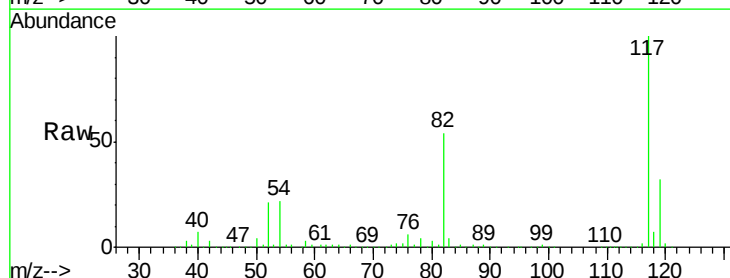
Tgt Ion: 117 Resp: 357581

Ion Ratio Lower Upper

117 100

82 53.5 45.0 67.4

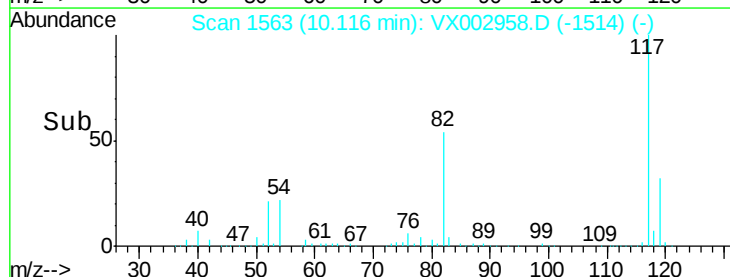
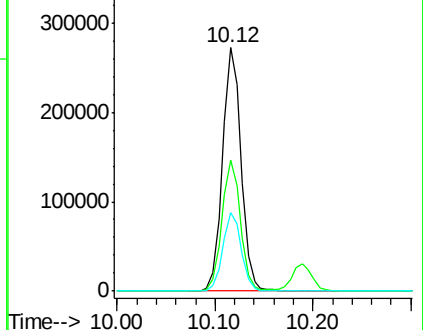
119 32.0 25.8 38.6

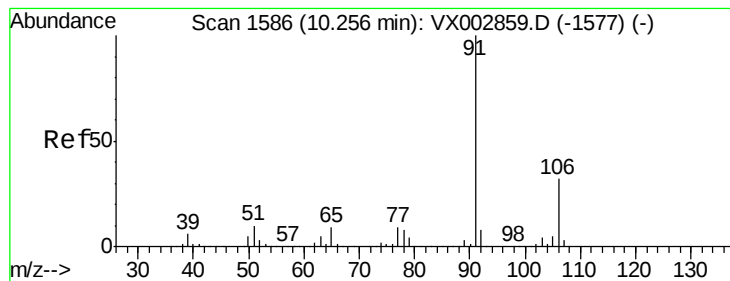


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 247.99 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

Instrument :

MSVOA_X

ClientSampled :

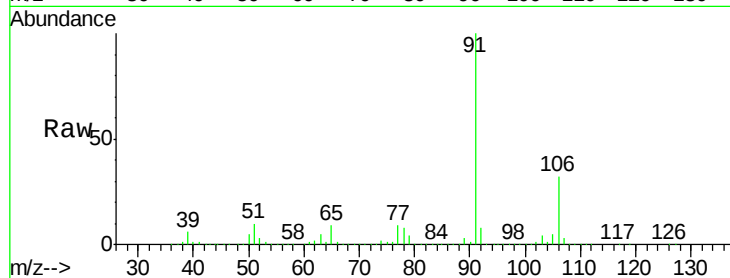
S83-0019

Tot Ion: 91 Resp: 3720741

Ion Ratio Lower Upper

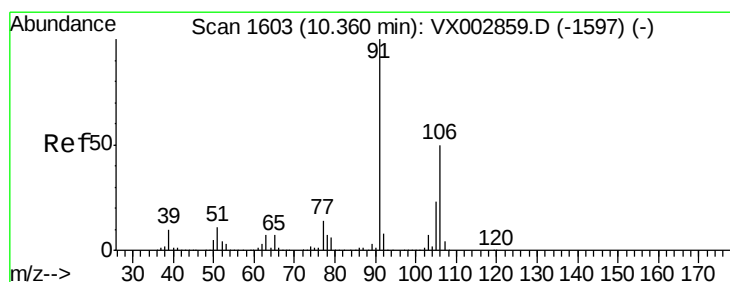
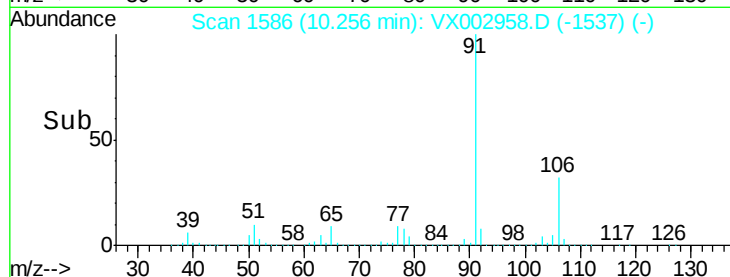
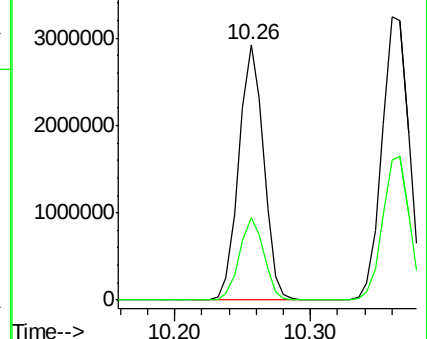
91 100

106 32.0 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX002859.D (-1577) (-)

Ion 106.00 (105.70 to 106.70): VX002859.D (-1577) (-)



#68

m/p-Xylenes

Concen: 386.50 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.01 min

Lab File: VX002958.D

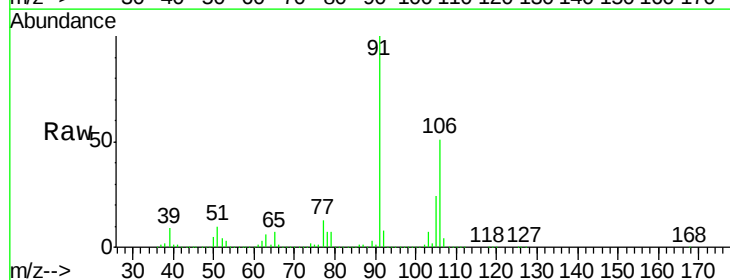
Acq: 28 Jun 2018 01:46

Tgt Ion:106 Resp: 2234900

Ion Ratio Lower Upper

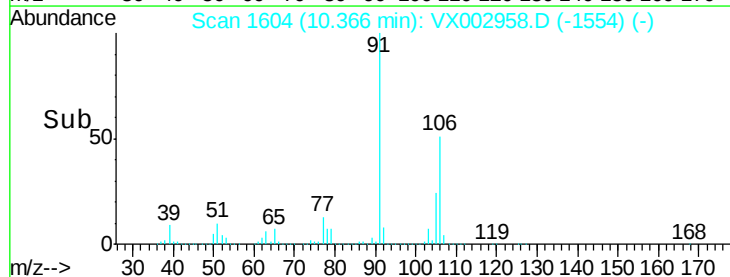
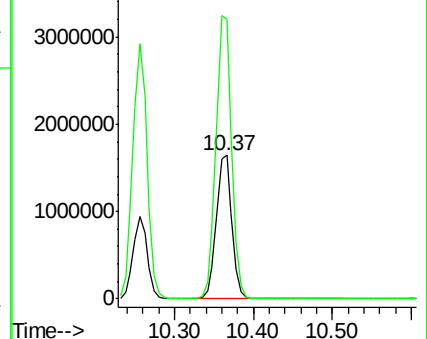
106 100

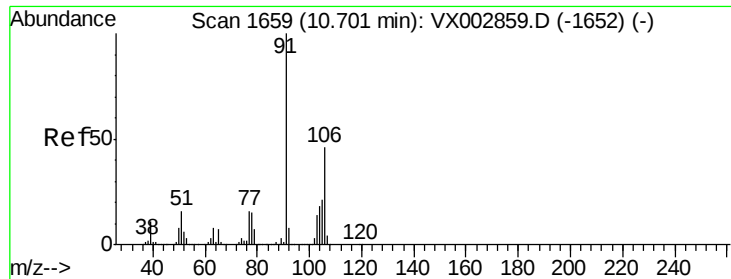
91 200.6 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): VX002859.D (-1597) (-)

Ion 91.00 (90.70 to 91.70): VX002859.D (-1597) (-)

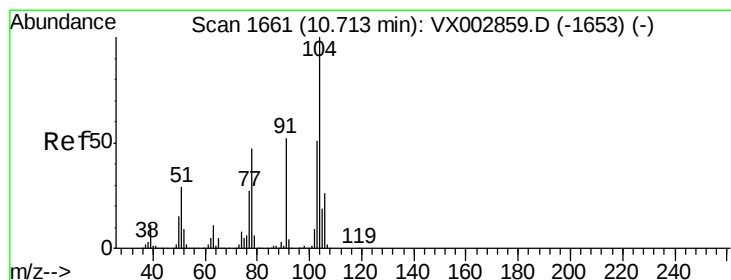
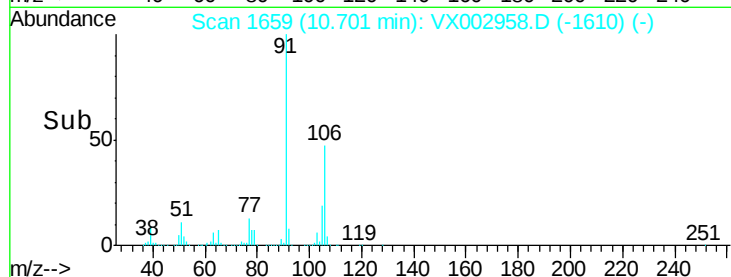
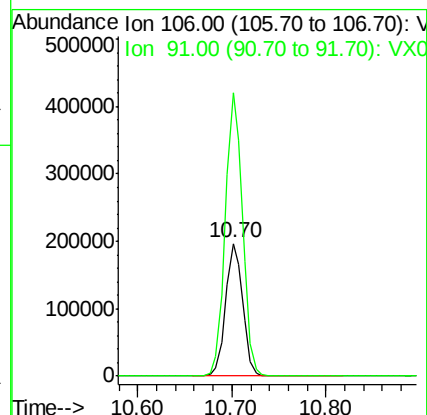
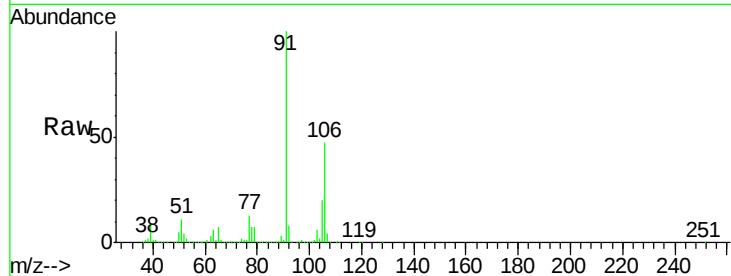




#69
o-Xylene
Concen: 43.96 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002958.D
Acq: 28 Jun 2018 01:46

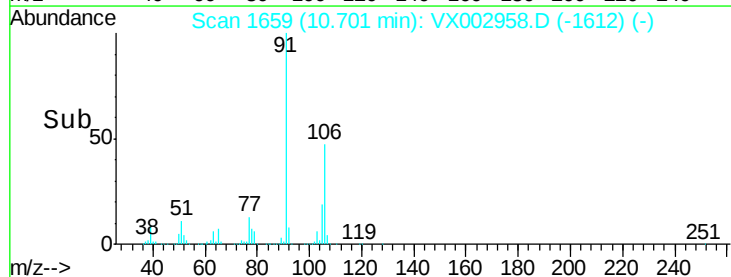
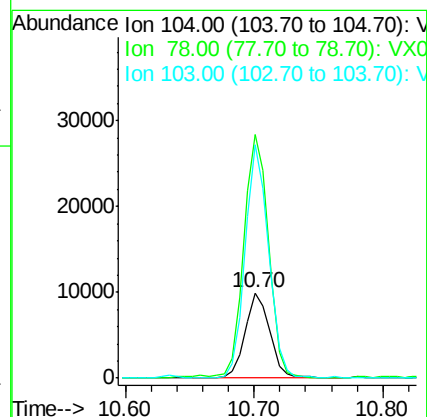
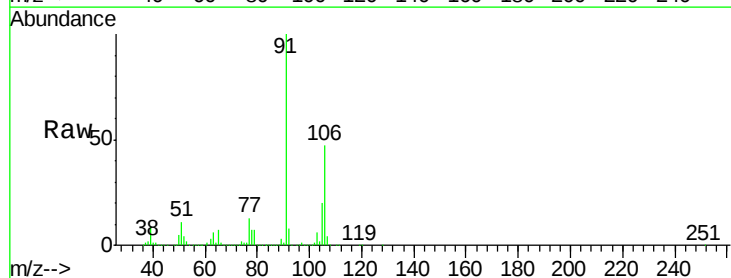
Instrument :
MSVOA_X
ClientSampled :
S83-0019

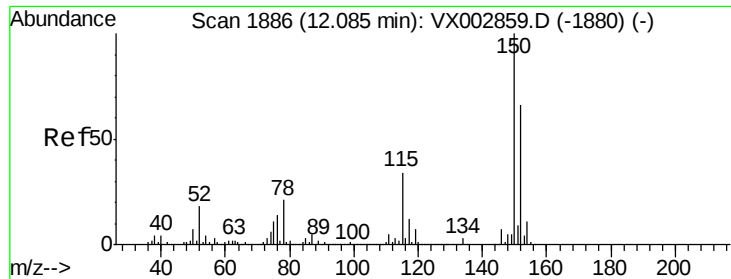
Tot Ion:106 Resp: 247531
Ion Ratio Lower Upper
106 100
91 215.4 108.2 324.6



#70
Styrene
Concen: 1.45 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX002958.D
Acq: 28 Jun 2018 01:46

Tgt Ion:104 Resp: 13284
Ion Ratio Lower Upper
104 100
78 287.4 41.0 61.6#
103 257.0 44.2 66.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

Instrument :

MSVOA_X

ClientSampled :

S83-0019

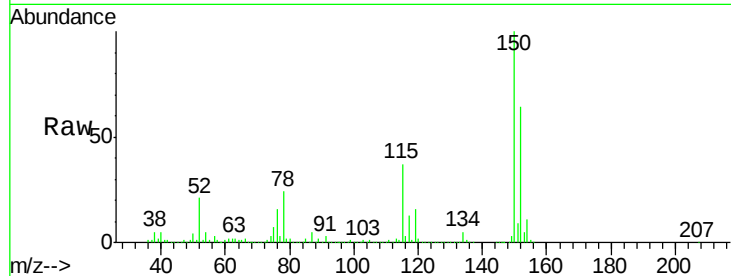
Tot Ion:152 Resp: 225555

Ion Ratio Lower Upper

152 100

115 59.3 40.1 120.2

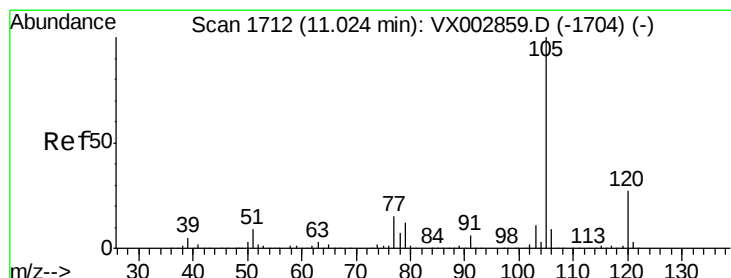
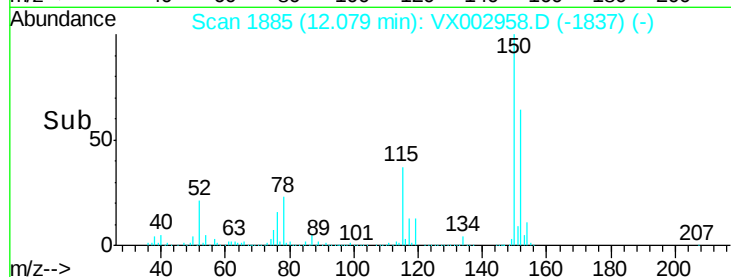
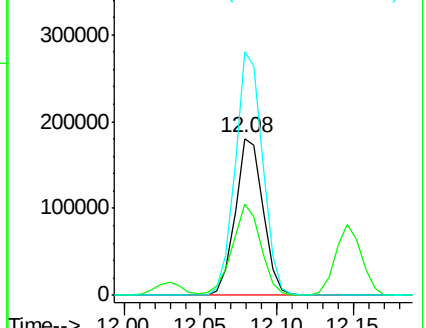
150 154.6 0.0 347.2



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: 29.54 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002958.D

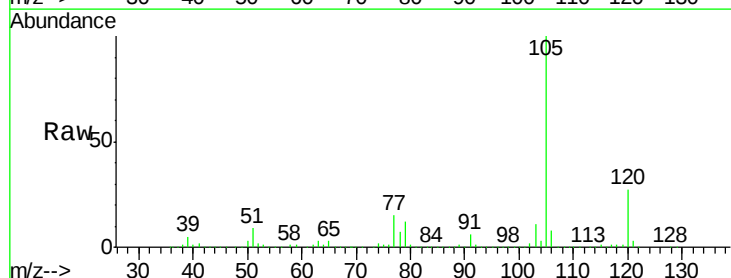
Acq: 28 Jun 2018 01:46

Tgt Ion:105 Resp: 448168

Ion Ratio Lower Upper

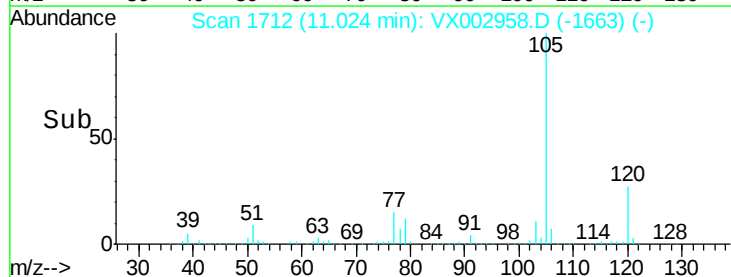
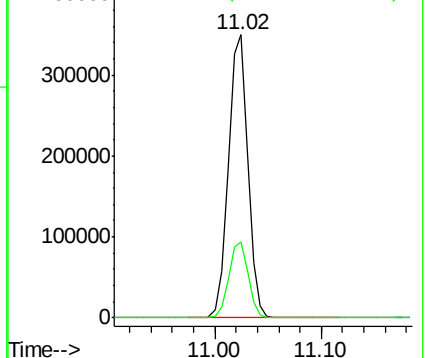
105 100

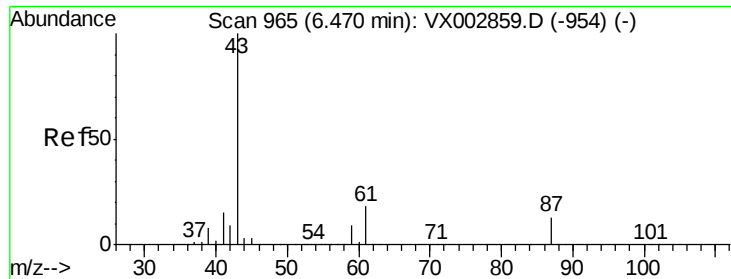
120 26.9 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.72 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

S83-0019

Tot Ion: 43 Resp: 5353

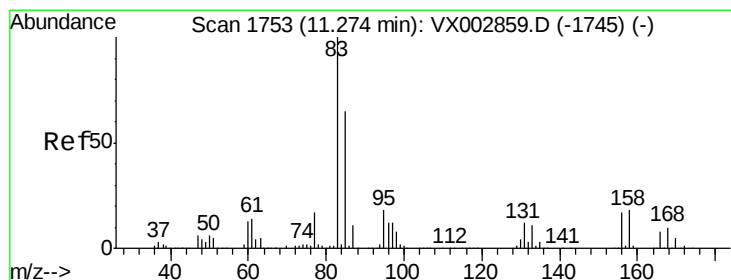
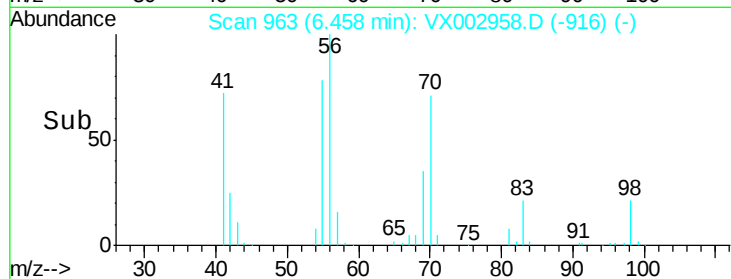
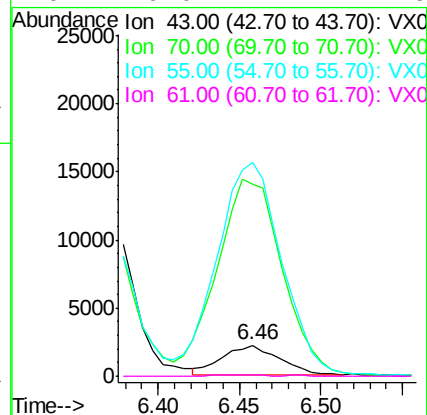
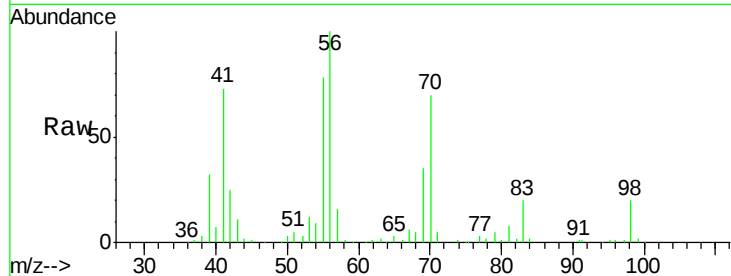
Ion Ratio Lower Upper

43 100

70 759.6 0.0 0.0#

55 804.1 0.0 0.0#

61 0.0 14.4 21.6#



#75

1,1,2,2-Tetrachloroethane

Concen: 0.52 ug/l

RT: 11.28 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

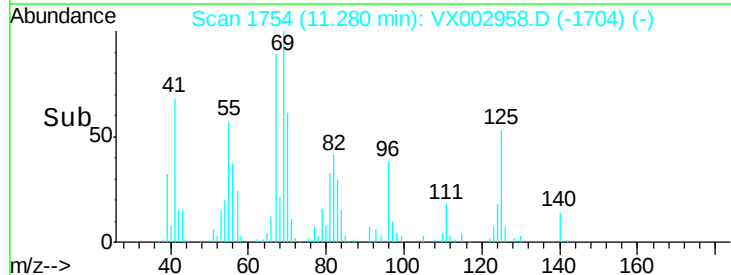
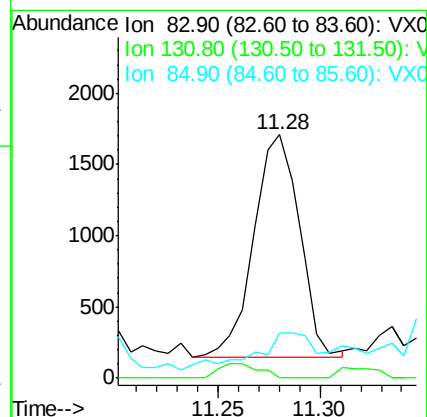
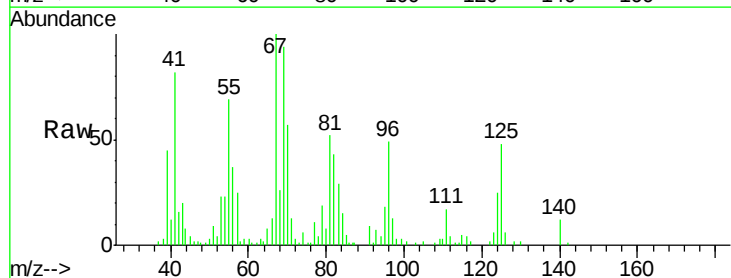
Tgt Ion: 83 Resp: 2444

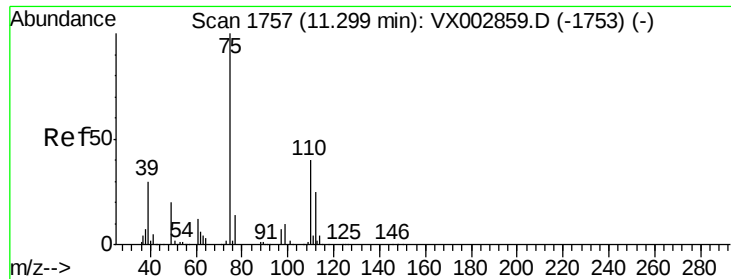
Ion Ratio Lower Upper

83 100

131 5.7 5.6 16.8

85 20.7 32.4 97.2#





#76

1,2,3-Trichloropropane

Concen: 0.82 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.06 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

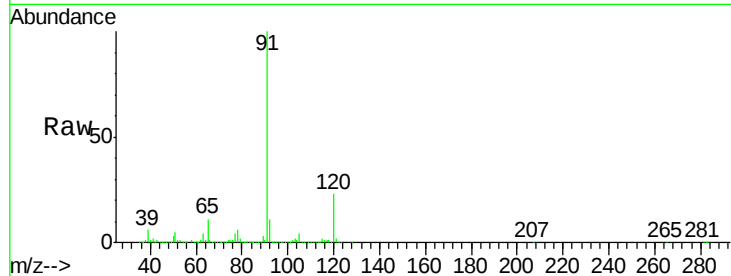
S83-0019

Tot Ion: 75 Resp: 3354

Ion Ratio Lower Upper

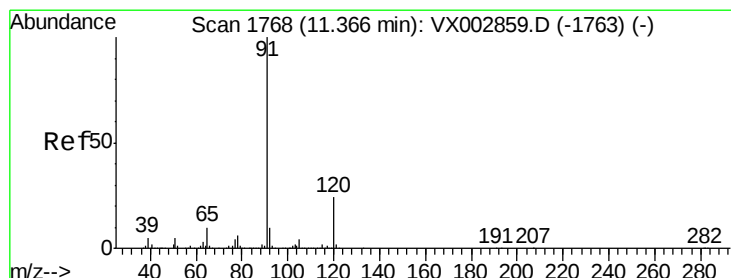
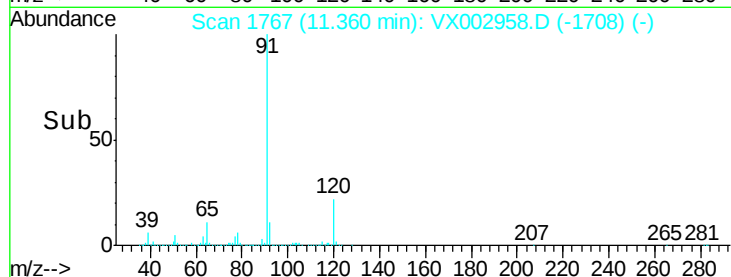
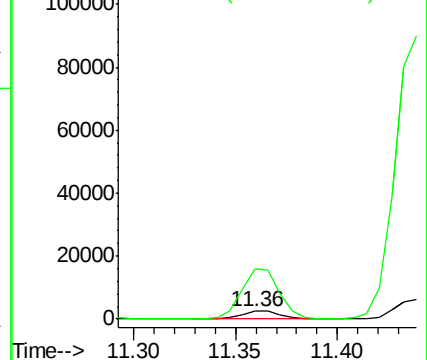
75 100

77 604.4 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#78

n-propylbenzene

Concen: 28.70 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX002958.D

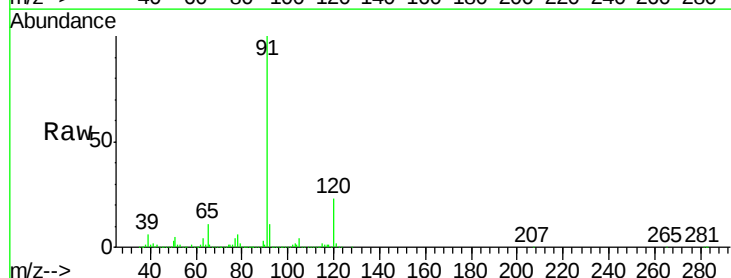
Acq: 28 Jun 2018 01:46

Tgt Ion: 91 Resp: 495712

Ion Ratio Lower Upper

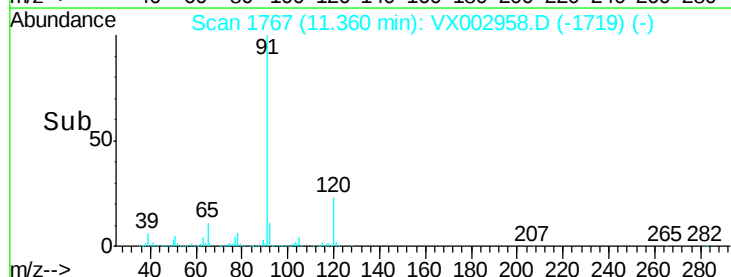
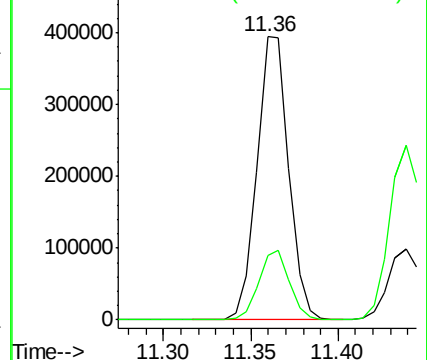
91 100

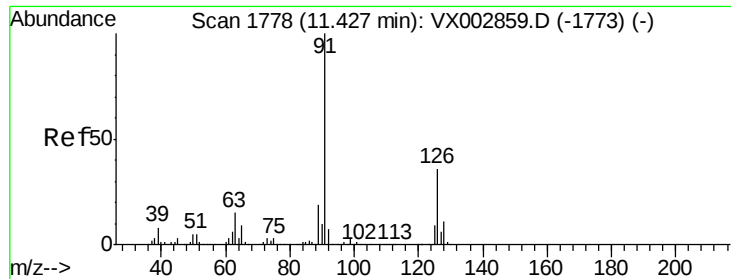
120 23.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

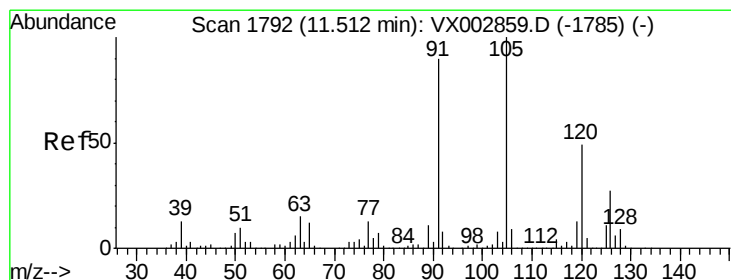
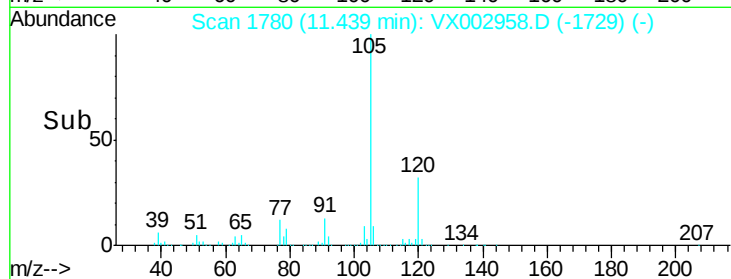
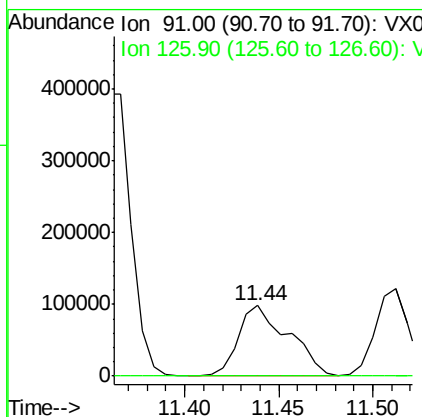
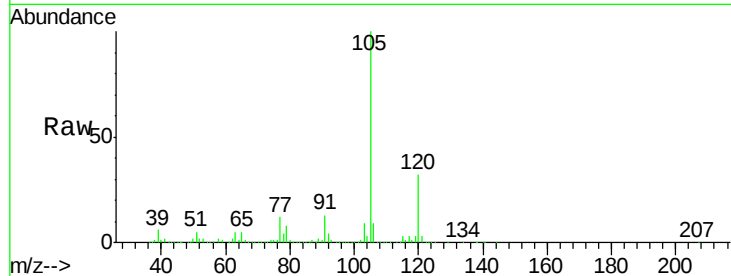




#79
 2-Chlorotoluene
 Concen: 17.37 ug/l
 RT: 11.44 min Scan# 1780
 Delta R.T. 0.01 min
 Lab File: VX002958.D
 Acq: 28 Jun 2018 01:46

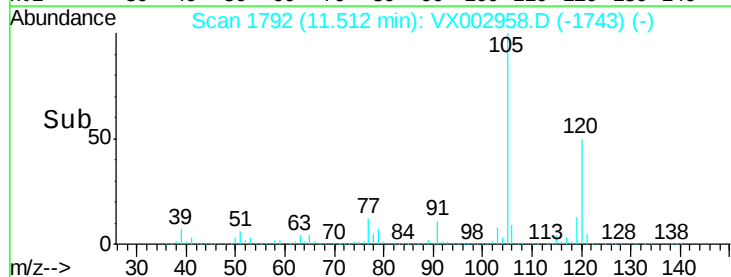
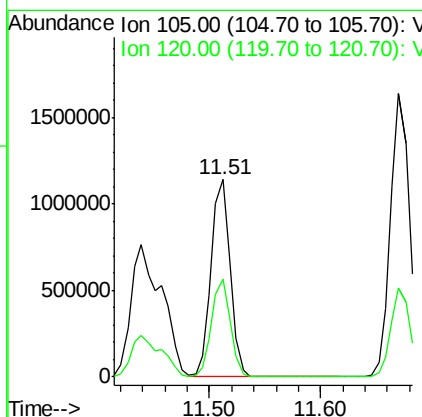
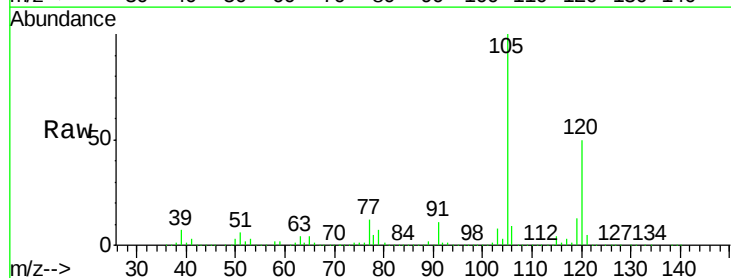
Instrument :
 MSVOA_X
 ClientSampled :
 S83-0019

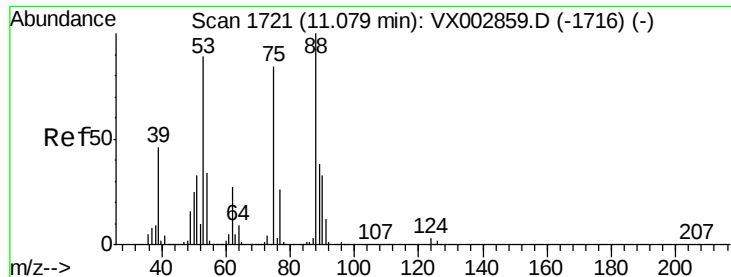
Tot Ion: 91 Resp: 181660
 Ion Ratio Lower Upper
 91 100
 126 0.1 17.7 53.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 106.36 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX002958.D
 Acq: 28 Jun 2018 01:46

Tgt Ion: 105 Resp: 1359282
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 7.25 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.06 min

Lab File: VX002958.D

Acq: 28 Jun 2018 01:46

Instrument :

MSVOA_X

ClientSampleId :

S83-0019

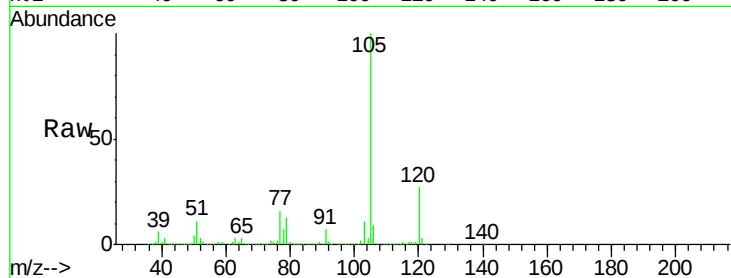
Tot Ion: 75 Resp: 5866

Ion Ratio Lower Upper

75 100

53 110.0 86.8 130.2

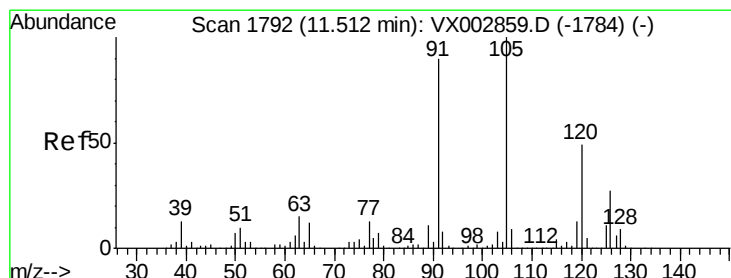
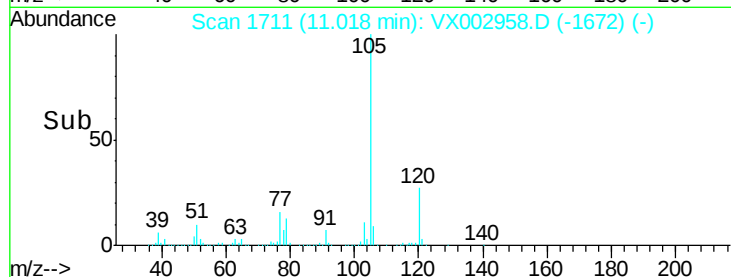
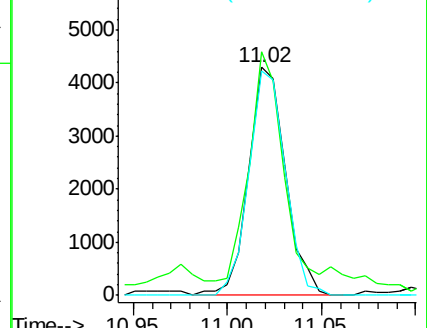
89 96.6 38.2 57.2#



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: 11.97 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002958.D

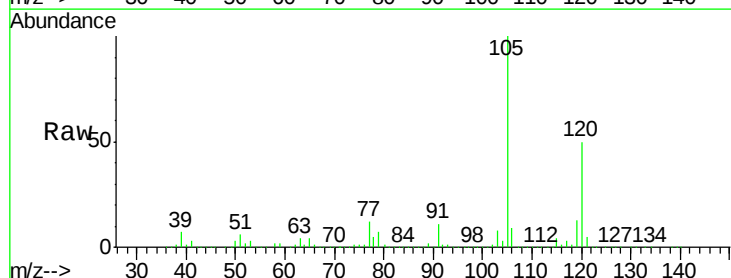
Acq: 28 Jun 2018 01:46

Tgt Ion: 91 Resp: 148235

Ion Ratio Lower Upper

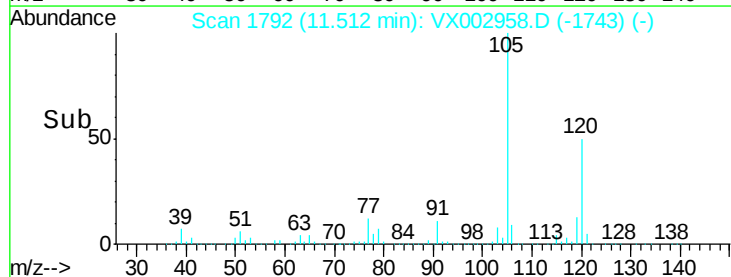
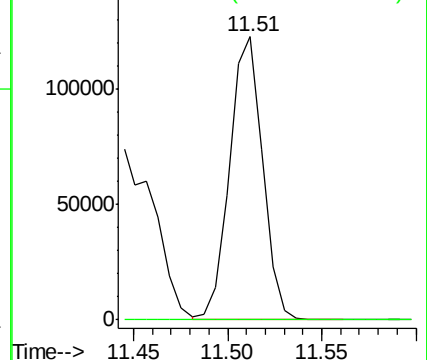
91 100

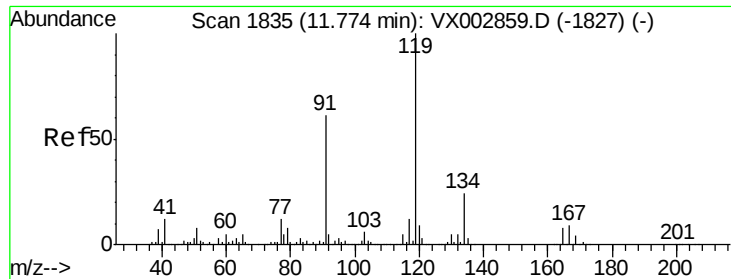
126 0.1 15.4 46.4#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

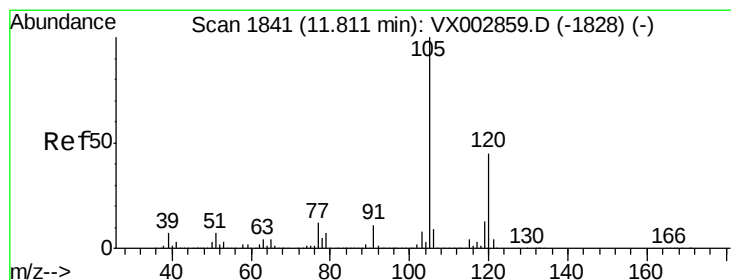
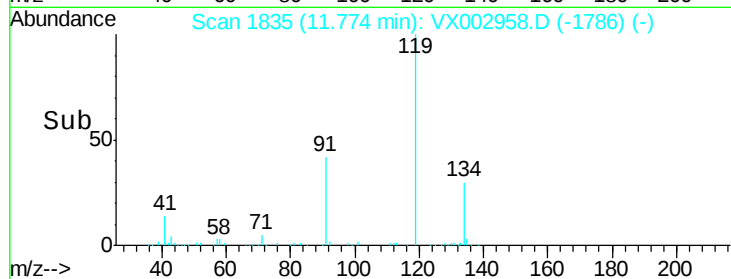
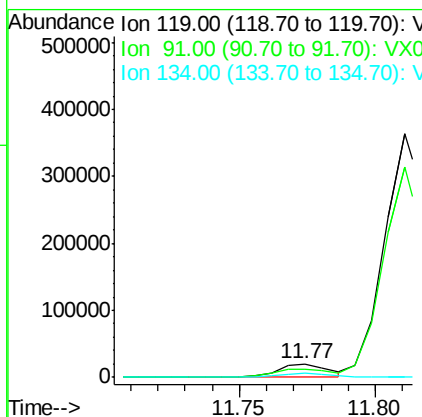
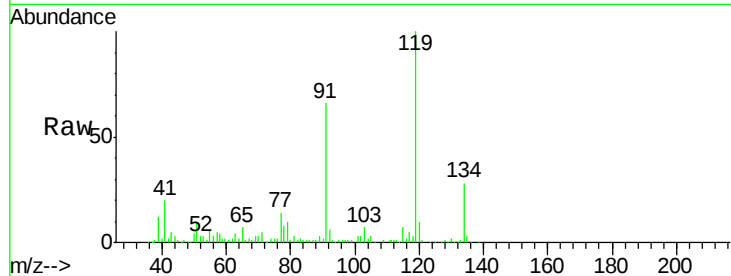




#83
tert-Butylbenzene
Concen: 2.00 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002958.D
Acq: 28 Jun 2018 01:46

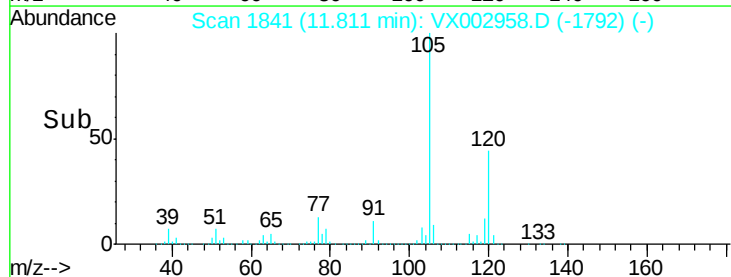
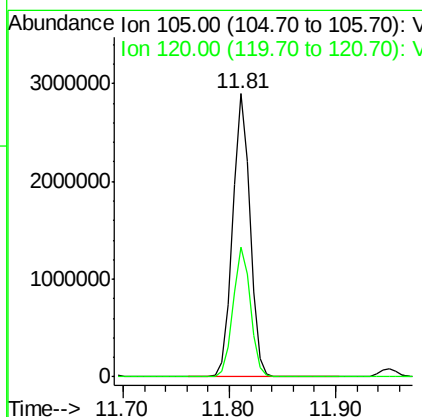
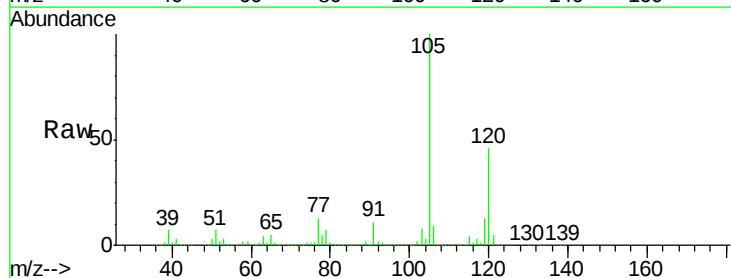
Instrument :
MSVOA_X
ClientSampleId :
S83-0019

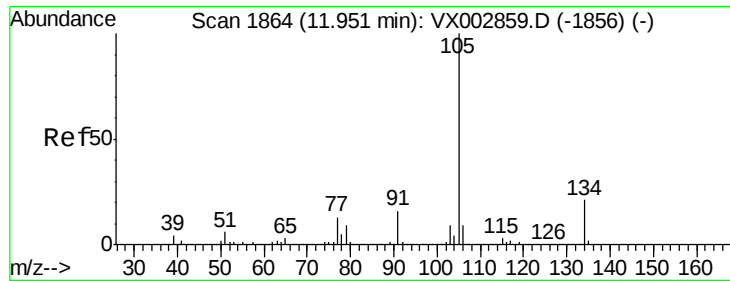
Tot Ion:119 Resp: 25206
Ion Ratio Lower Upper
119 100
91 68.3 30.3 90.9
134 27.9 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 250.59 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002958.D
Acq: 28 Jun 2018 01:46

Tgt Ion:105 Resp: 3318209
Ion Ratio Lower Upper
105 100
120 46.1 22.3 66.8

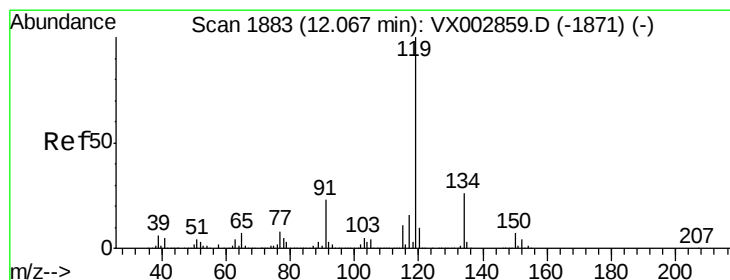
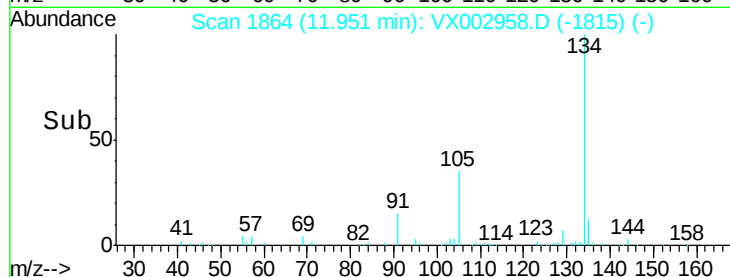
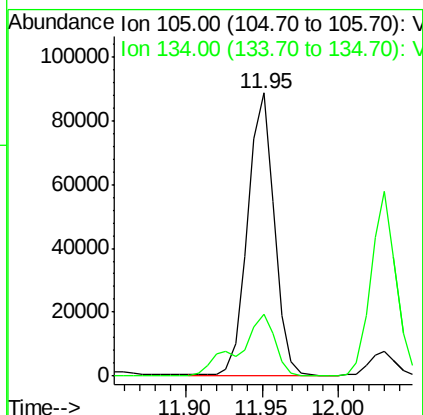
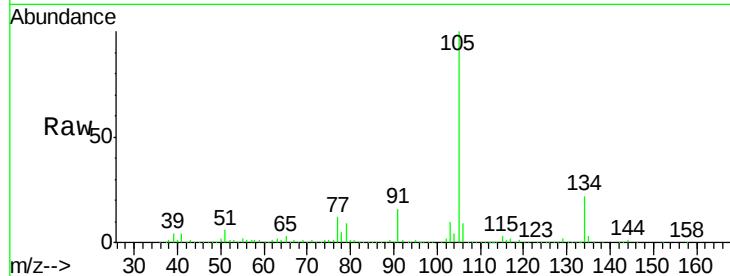




#85
 sec-Butylbenzene
 Concen: 6.98 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX002958.D
 Acq: 28 Jun 2018 01:46

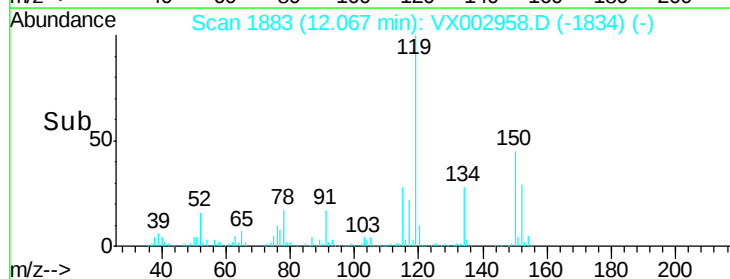
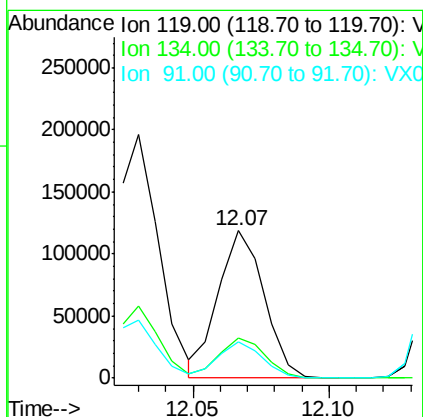
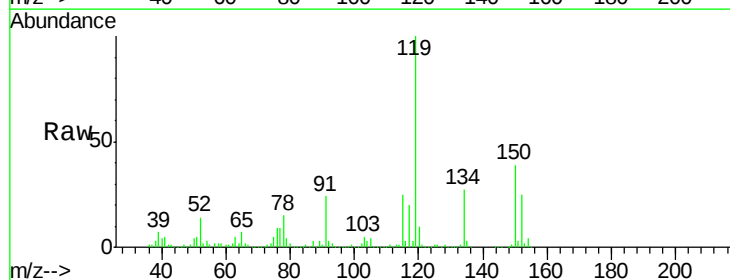
Instrument :
 MSVOA_X
 ClientSampleId :
 S83-0019

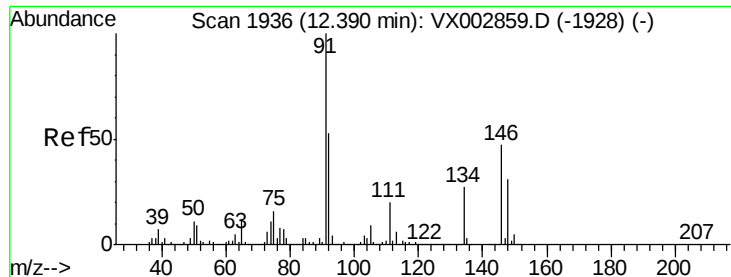
Tot Ion:105 Resp: 106674
 Ion Ratio Lower Upper
 105 100
 134 29.8 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 10.06 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX002958.D
 Acq: 28 Jun 2018 01:46

Tgt Ion:119 Resp: 138133
 Ion Ratio Lower Upper
 119 100
 134 27.6 13.4 40.1
 91 24.1 11.9 35.7

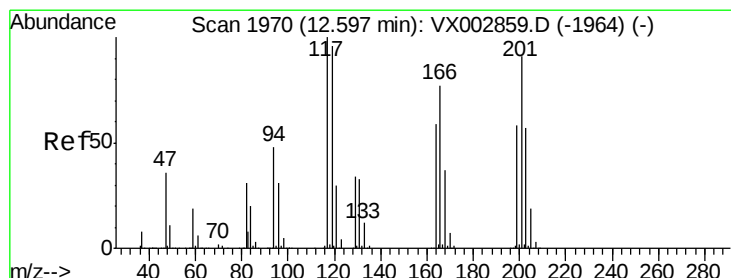
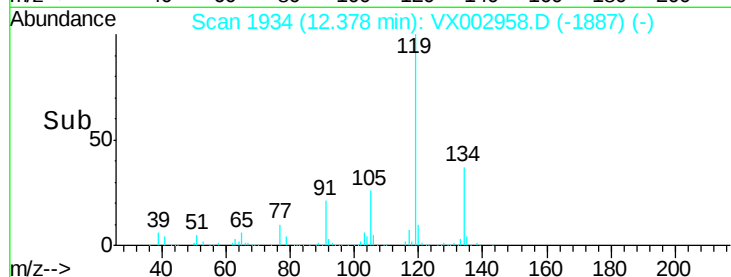
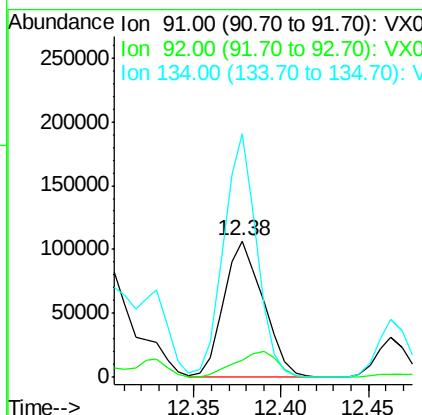
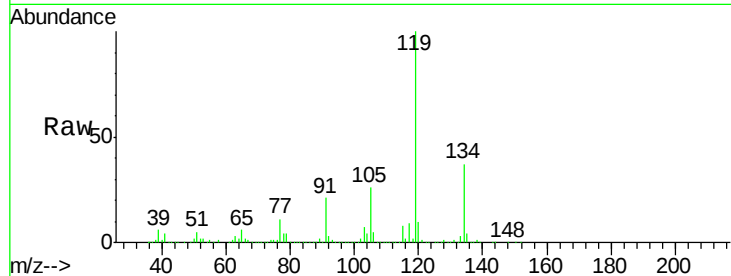




#89
n-Butylbenzene
Concen: 13.95 ug/l
RT: 12.38 min Scan# 1934
Delta R.T. -0.01 min
Lab File: VX002958.D
Acq: 28 Jun 2018 01:46

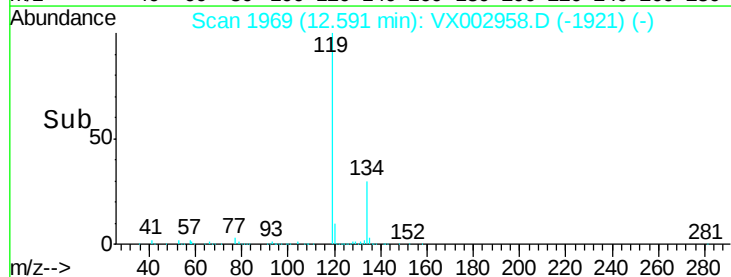
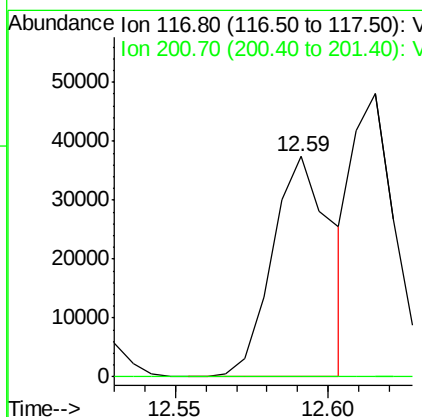
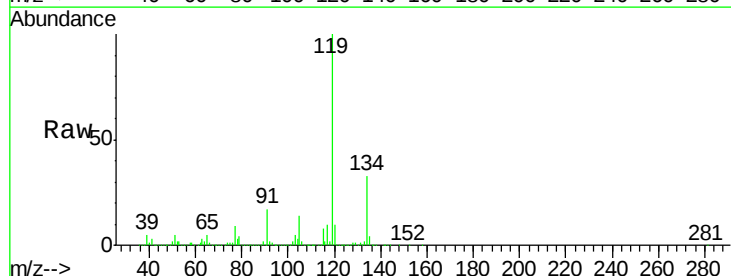
Instrument :
MSVOA_X
ClientSampleId :
S83-0019

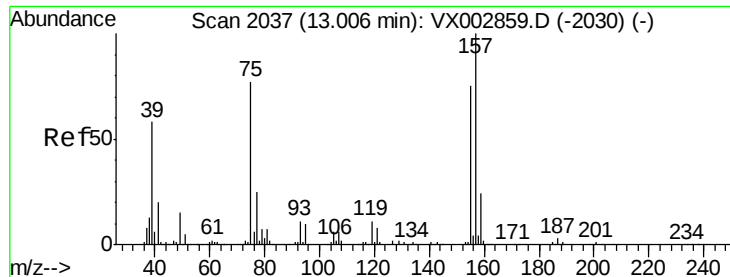
Tot Ion: 91 Resp: 166776
Ion Ratio Lower Upper
91 100
92 21.2 26.0 78.0#
134 149.7 13.5 40.5#



#90
Hexachloroethane
Concen: 24.65 ug/l
RT: 12.59 min Scan# 1969
Delta R.T. -0.01 min
Lab File: VX002958.D
Acq: 28 Jun 2018 01:46

Tgt Ion: 117 Resp: 50366
Ion Ratio Lower Upper
117 100
201 0.0 49.0 147.0#

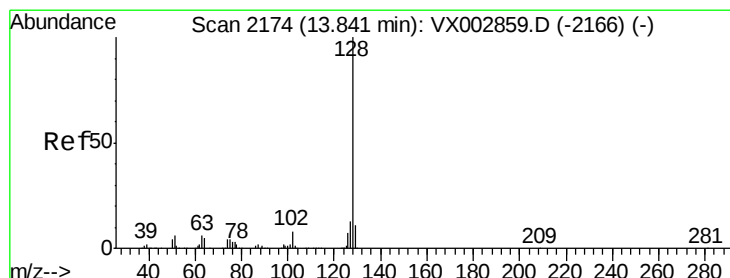
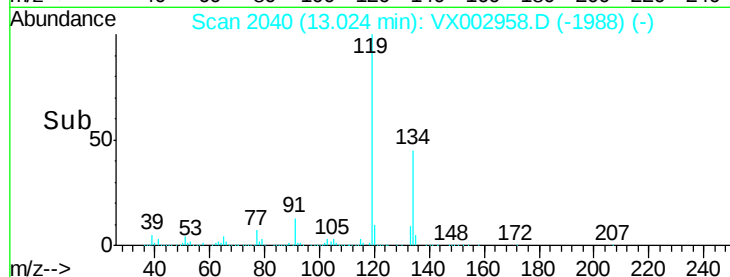
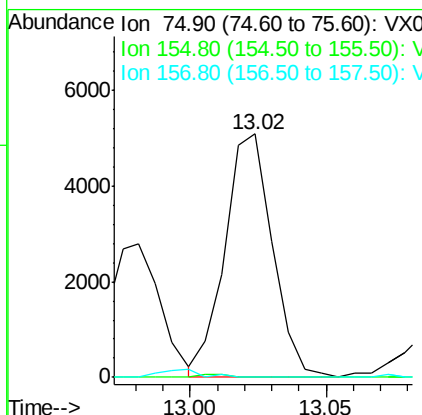
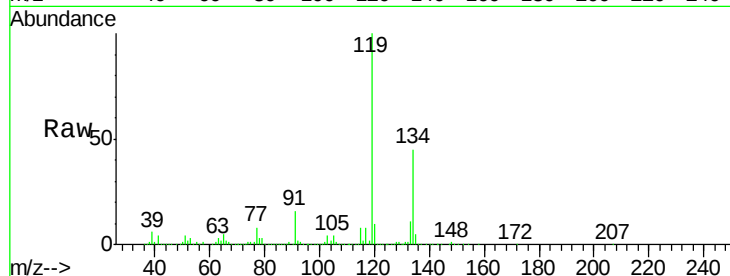




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.90 ug/l
 RT: 13.02 min Scan# 2040
 Delta R.T. 0.02 min
 Lab File: VX002958.D
 Acq: 28 Jun 2018 01:46

Instrument :
 MSVOA_X
 ClientSampleId :
 S83-0019

Tot Ion: 75 Resp: 6197
 Ion Ratio Lower Upper
 75 100
 155 0.0 45.8 137.4#
 157 0.0 60.1 180.3#



#95
 Naphthalene
 Concen: 40.44 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. -0.00 min
 Lab File: VX002958.D
 Acq: 28 Jun 2018 01:46

Tgt Ion:128 Resp: 624440
 Ion Ratio Lower Upper
 128 100
 127 13.6 10.4 15.6
 129 12.2 8.6 13.0

