

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070919\
 Data File : VX010759.D
 Acq On : 09 Jul 2019 18:31
 Operator : JC/SP
 Sample : K3627-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TR-05-070819

Quant Time: Jul 10 02:13:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	227526	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	354010	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	334465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	156271	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	114009	53.44	ug/l	0.00
Spiked Amount			Recovery	=	106.88%	
35) Dibromofluoromethane	5.50	113	108455	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
50) Toluene-d8	8.71	98	432476	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	
62) 4-Bromofluorobenzene	11.13	95	148599	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	

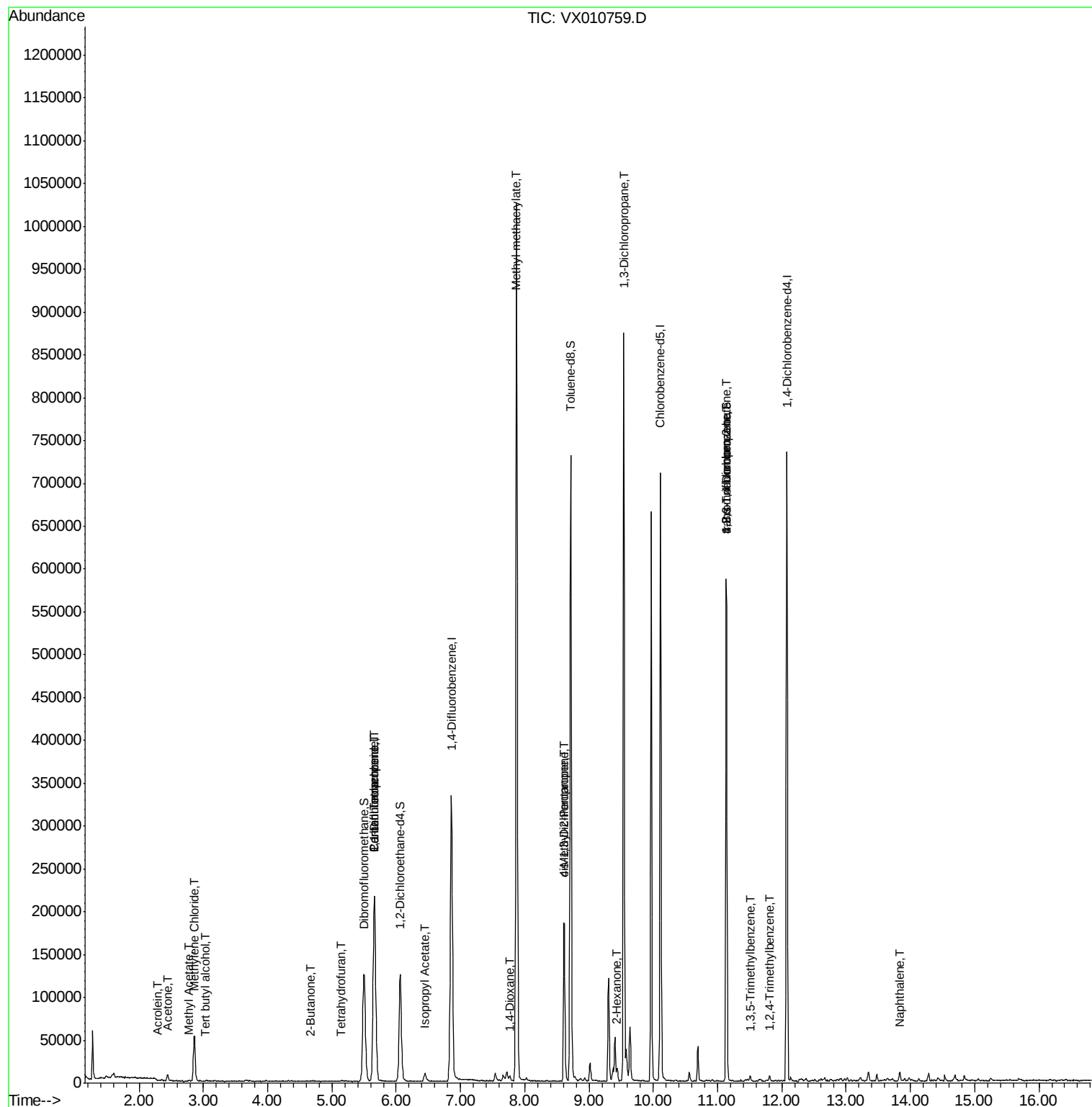
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.04	59	946	1.695	ug/l #	82
13) Acrolein	2.29	56	302	0.816	ug/l #	64
16) Acetone	2.45	43	8359	7.818	ug/l	94
18) Methyl Acetate	2.78	43	1950	0.915	ug/l #	70
20) Methylene Chloride	2.85	84	27232	12.377	ug/l	95
25) 2-Butanone	4.67	43	417	0.266	ug/l	90
29) Tetrahydrofuran	5.15	42	775	0.798	ug/l #	70
36) 1,1-Dichloropropene	5.66	75	14532	5.166	ug/l #	47
38) Carbon Tetrachloride	5.66	117	20237	6.643	ug/l #	15
43) Isopropyl Acetate	6.45	43	12774	2.668	ug/l	99
48) Methyl methacrylate	7.87	41	80833	36.319	ug/l #	37
49) 1,4-Dioxane	7.77	88	23	0.359	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	60302	19.692	ug/l #	47
54) cis-1,3-Dichloropropene	8.62	75	31783	8.964	ug/l #	62
57) 1,3-Dichloropropane	9.54	76	8111	2.195	ug/l #	43
59) 2-Hexanone	9.44	43	8377	3.476	ug/l #	22
76) 1,2,3-Trichloropropane	11.13	75	71914	25.254	ug/l #	33
80) 1,3,5-Trimethylbenzene	11.51	105	2293	0.263	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.13	75	71914	58.914	ug/l #	16
84) 1,2,4-Trimethylbenzene	11.80	105	2522	0.287	ug/l	97
95) Naphthalene	13.83	128	6603	0.604	ug/l #	97

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

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010759.D

Acq: 09 Jul 2019 18:31

Instrument :

MSVOA_X

ClientSampleId :

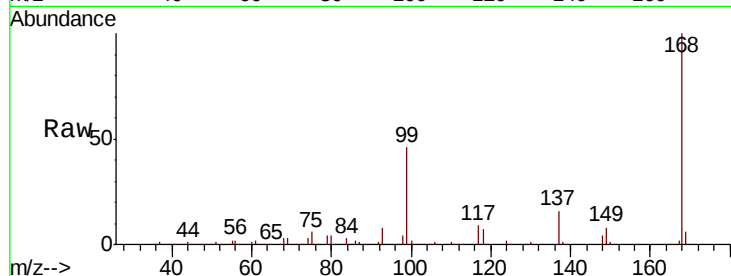
TR-05-070819

Tot Ion:168 Resp: 227526

Ion Ratio Lower Upper

168 100

99 45.9 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): VX010346.D (-727) (-)

Ion 98.90 (98.60 to 99.60): VX010346.D (-727) (-)

5.66

80000

60000

40000

20000

0

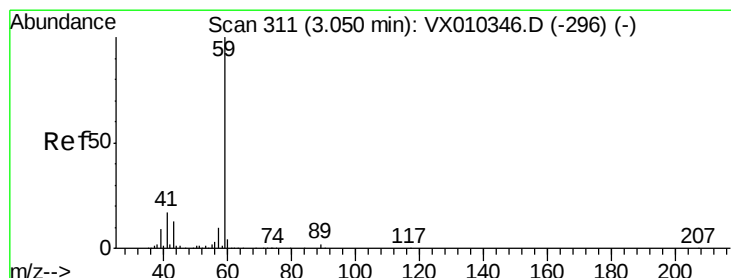
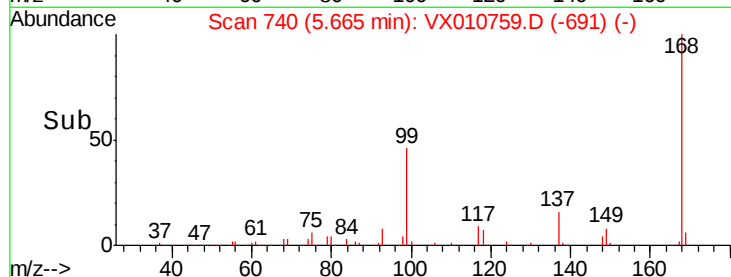
Time-->

5.50

5.60

5.70

5.80



#11

Tert butyl alcohol

Concen: 1.695 ug/l

RT: 3.04 min Scan# 309

Delta R.T. -0.01 min

Lab File: VX010759.D

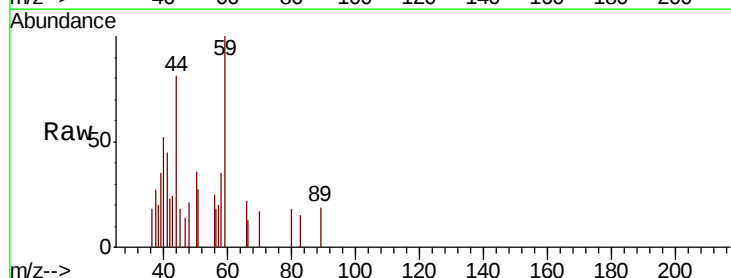
Acq: 09 Jul 2019 18:31

Tgt Ion: 59 Resp: 946

Ion Ratio Lower Upper

59 100

57 16.2 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX010346.D (-296) (-)

Ion 57.00 (56.70 to 57.70): VX010346.D (-296) (-)

3.04

400

300

200

100

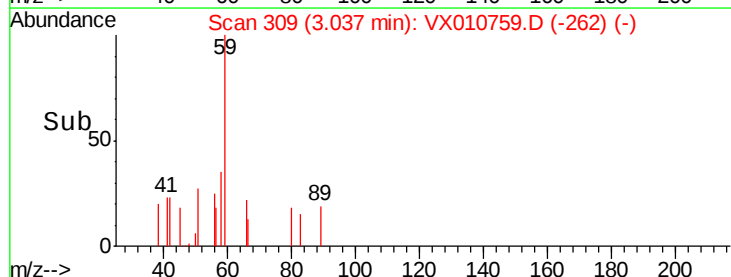
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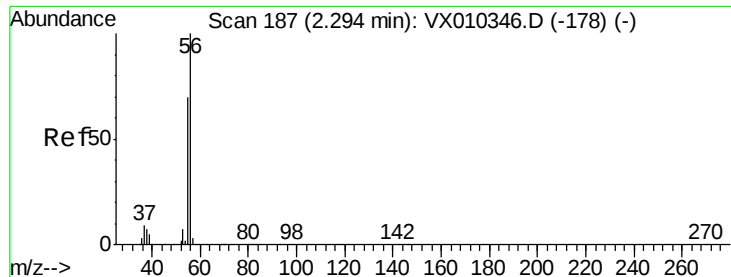
Time-->

3.00

3.05

3.10





#13

Acrolein

Concen: 0.816 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010759.D

Acq: 09 Jul 2019 18:31

Instrument :

MSVOA_X

ClientSampleId :

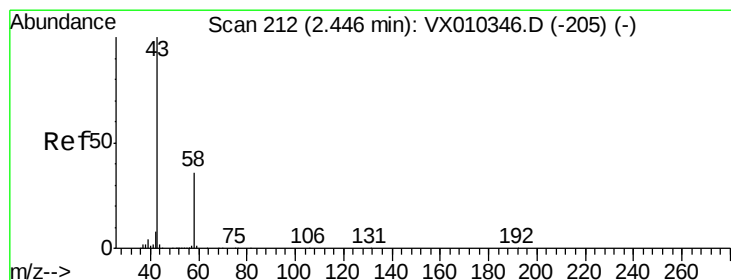
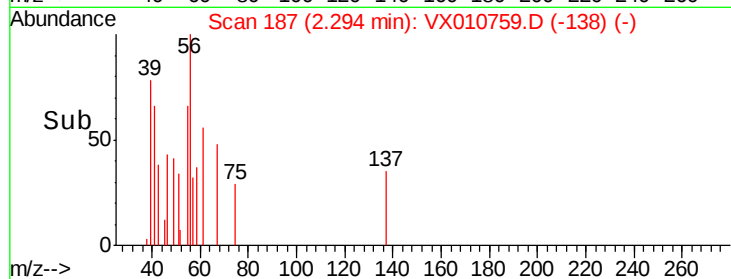
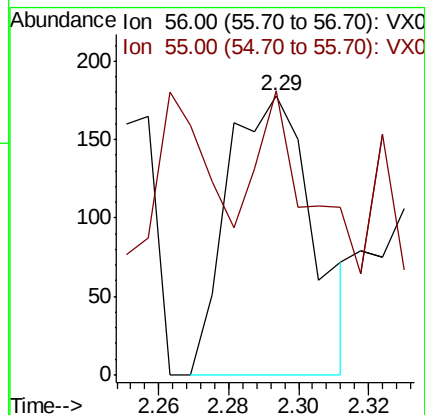
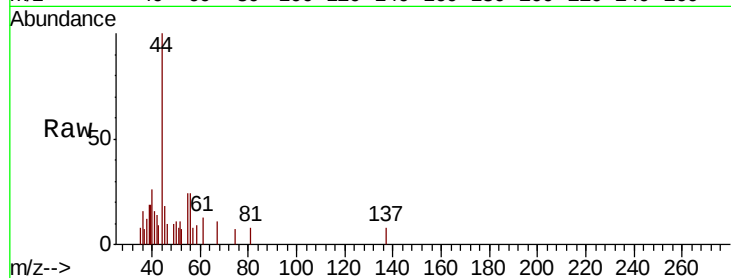
TR-05-070819

Tot Ion: 56 Resp: 302

Ion Ratio Lower Upper

56 100

55 41.1 56.9 85.3#



#16

Acetone

Concen: 7.818 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010759.D

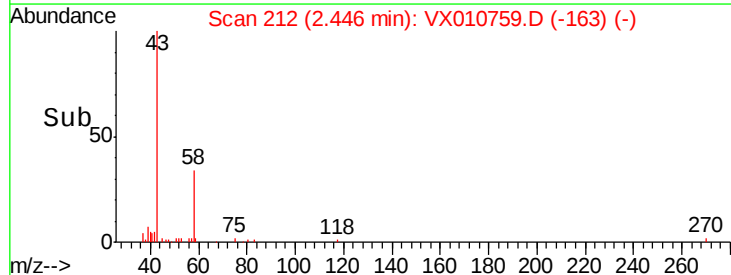
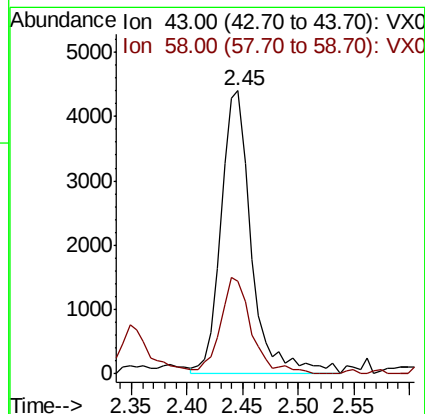
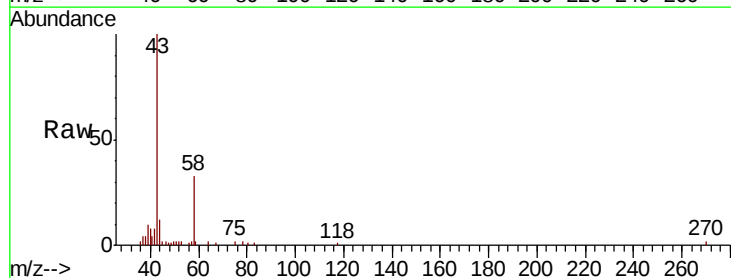
Acq: 09 Jul 2019 18:31

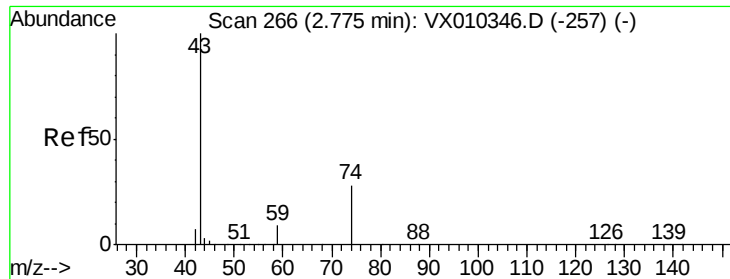
Tgt Ion: 43 Resp: 8359

Ion Ratio Lower Upper

43 100

58 32.8 28.9 43.3

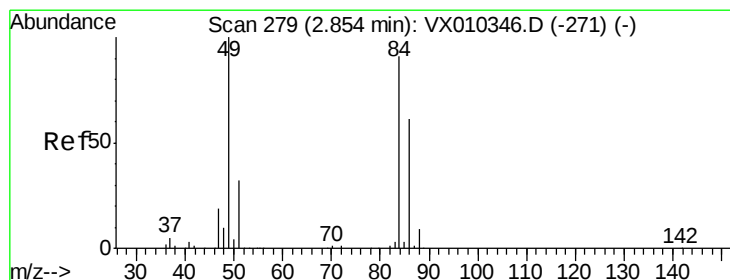
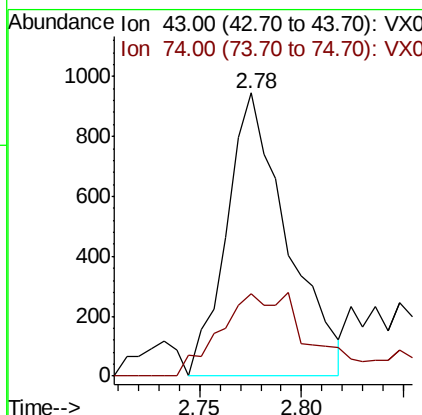
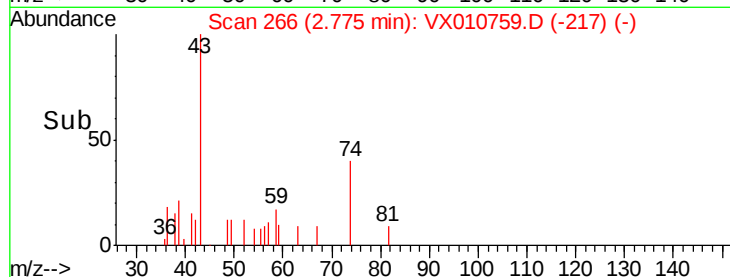
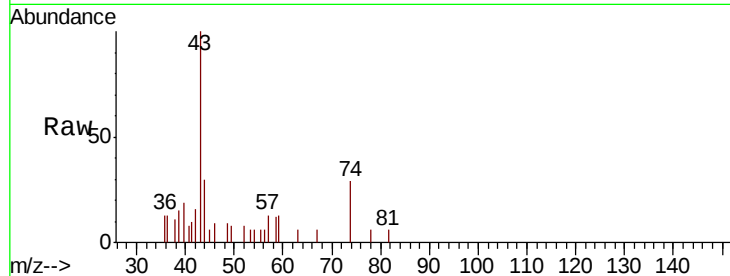




#18
Methvl Acetate
Concen: 0.915 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX010759.D
Acq: 09 Jul 2019 18:31

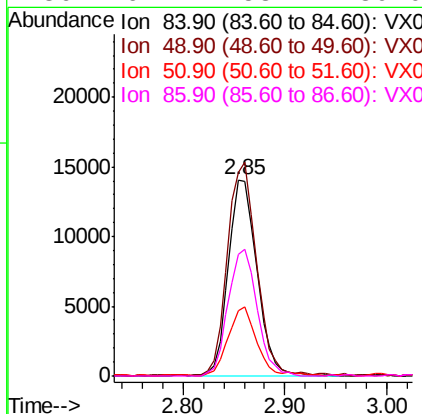
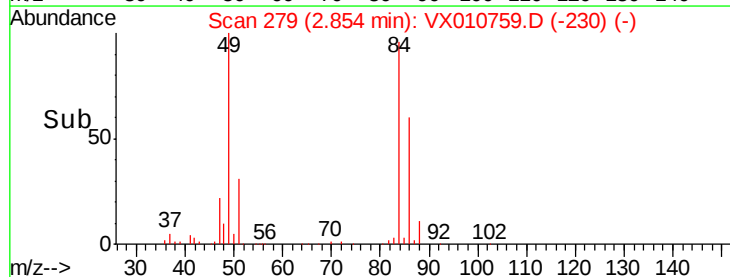
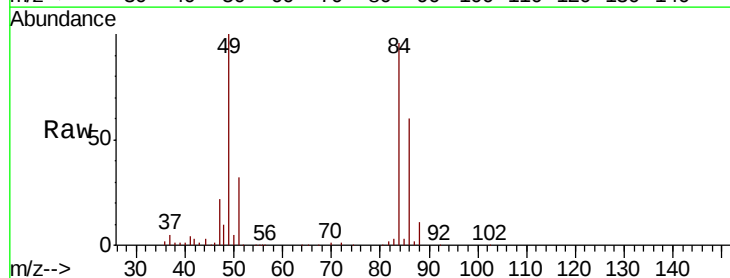
Instrument :
MSVOA_X
ClientSampleId :
TR-05-070819

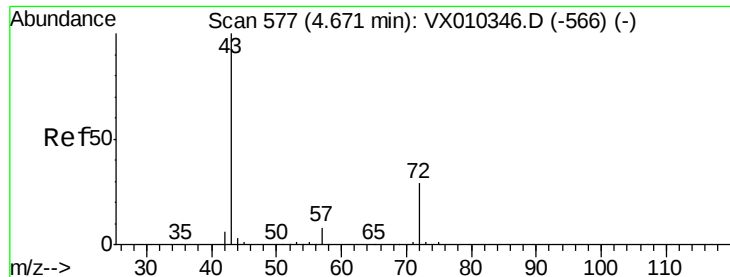
Tot Ion: 43 Resp: 1950
Ion Ratio Lower Upper
43 100
74 41.9 21.3 31.9#



#20
Methylene Chloride
Concen: 12.377 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010759.D
Acq: 09 Jul 2019 18:31

Tgt Ion: 84 Resp: 27232
Ion Ratio Lower Upper
84 100
49 103.7 87.5 131.3
51 32.7 27.7 41.5
86 62.1 53.4 80.0





#25

2-Butanone

Concen: 0.266 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX010759.D

Acq: 09 Jul 2019 18:31

Instrument :

MSVOA_X

ClientSampleId :

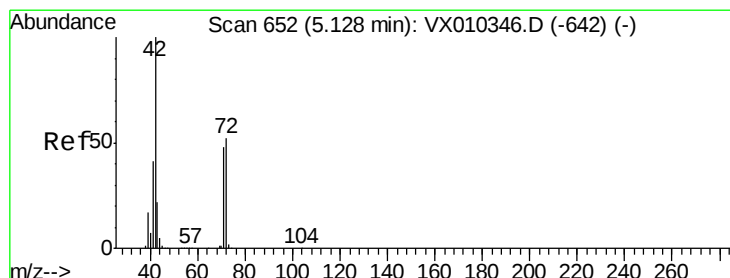
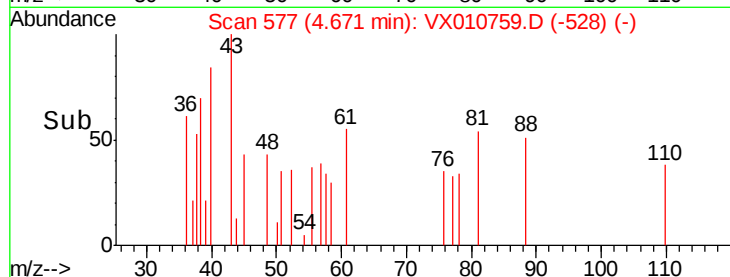
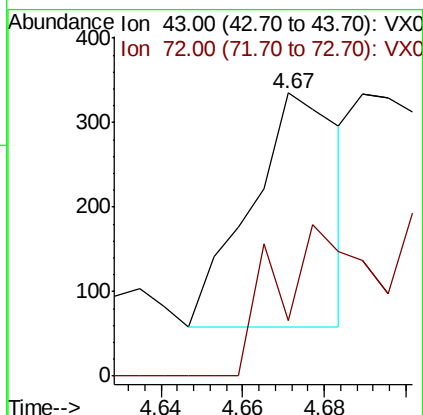
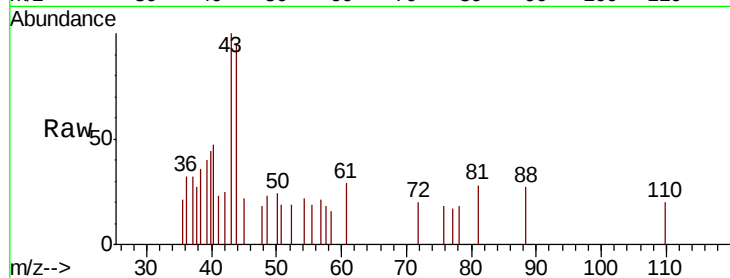
TR-05-070819

Tot Ion: 43 Resp: 417

Ion Ratio Lower Upper

43 100

72 23.8 23.3 34.9



#29

Tetrahydrofuran

Concen: 0.798 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.02 min

Lab File: VX010759.D

Acq: 09 Jul 2019 18:31

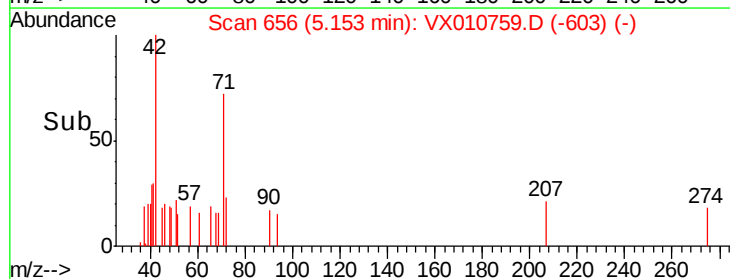
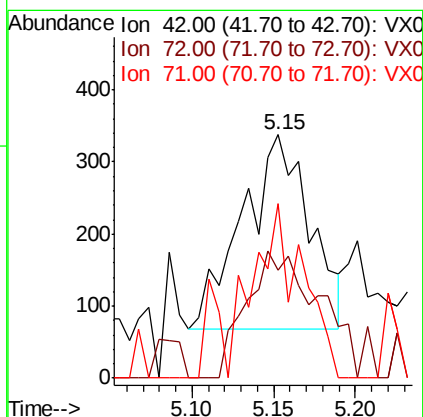
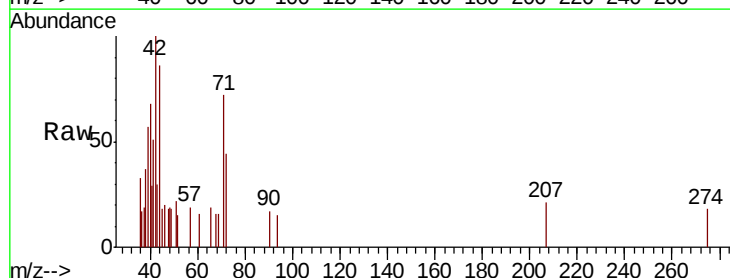
Tgt Ion: 42 Resp: 775

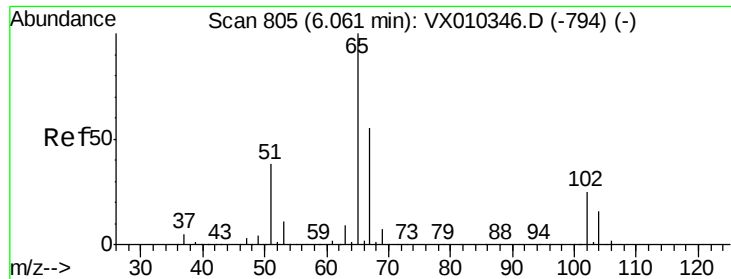
Ion Ratio Lower Upper

42 100

72 73.5 40.6 60.8#

71 65.5 37.8 56.8#

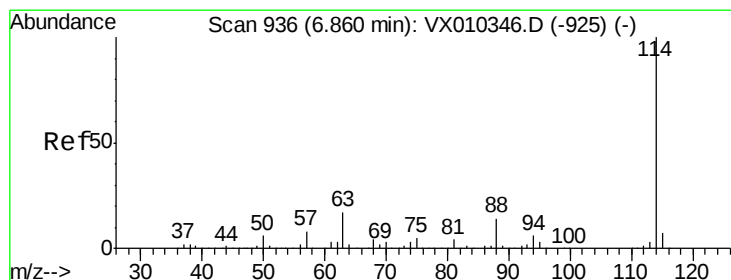
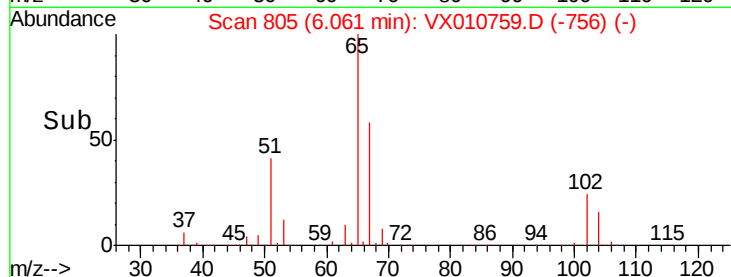
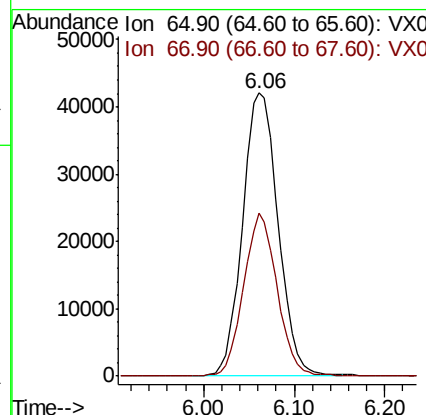
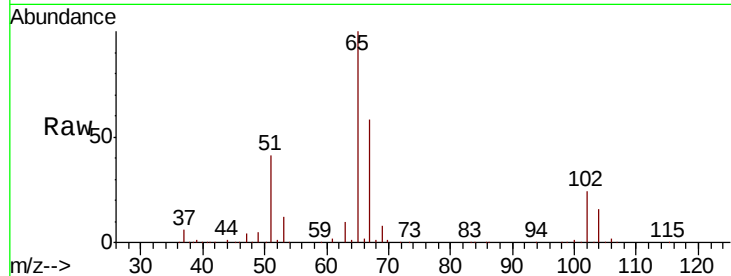




#33
 1,2-Dichloroethane-d4
 Concen: 53.443 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010759.D
 Acq: 09 Jul 2019 18:31

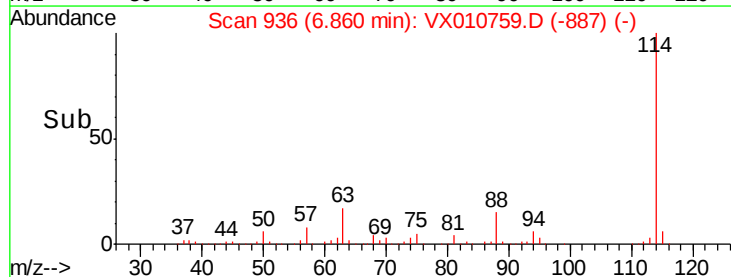
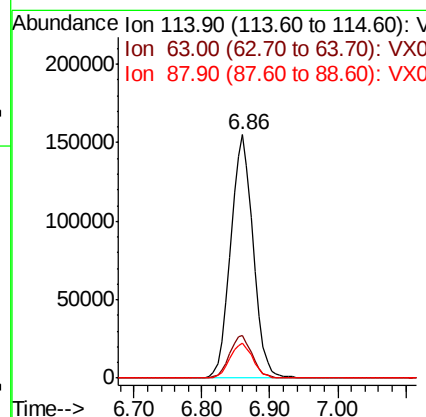
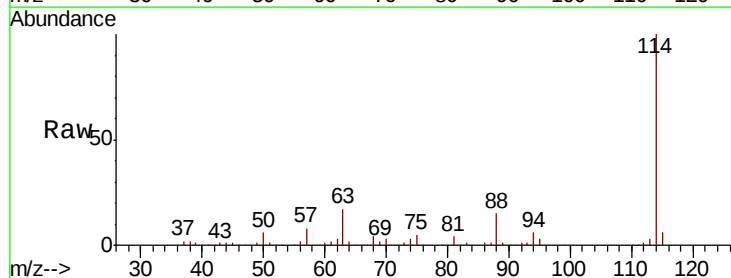
Instrument :
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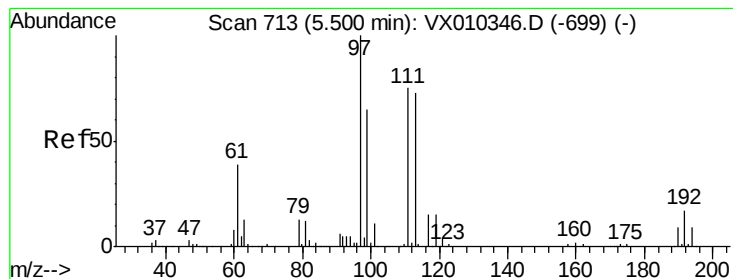
Tot Ion: 65 Resp: 114009
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010759.D
 Acq: 09 Jul 2019 18:31

Tgt Ion: 114 Resp: 354010
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 33.8
 88 14.5 0.0 27.6





#35

Dibromofluoromethane

Concen: 50.072 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010759.D

Acq: 09 Jul 2019 18:31

Instrument :

MSVOA_X

ClientSampleId :

TR-05-070819

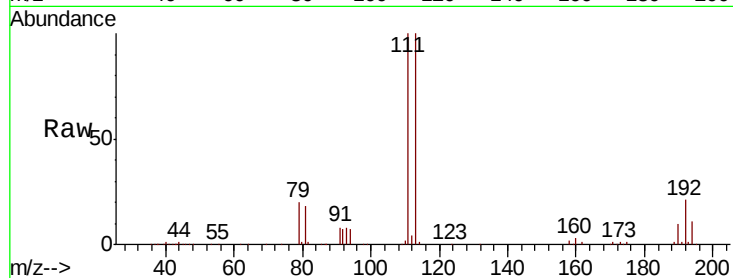
Tot Ion:113 Resp: 108455

Ion Ratio Lower Upper

113 100

111 102.2 81.2 121.8

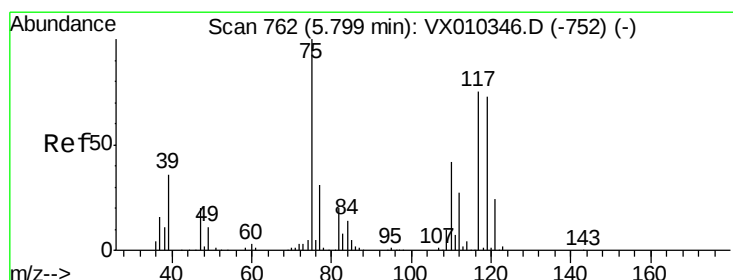
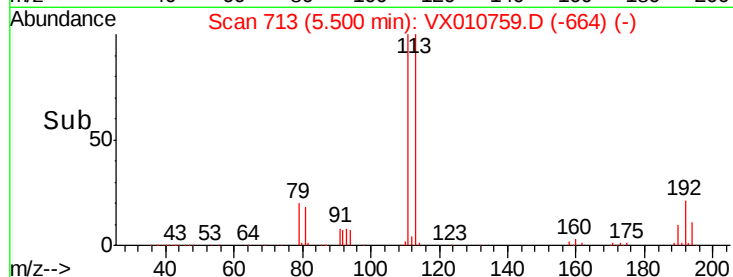
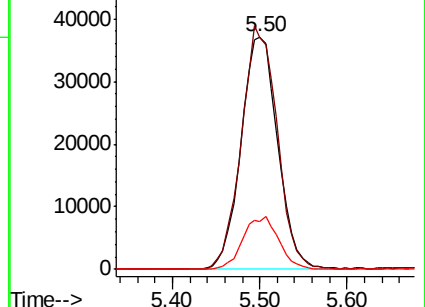
192 22.2 18.6 27.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.166 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010759.D

Acq: 09 Jul 2019 18:31

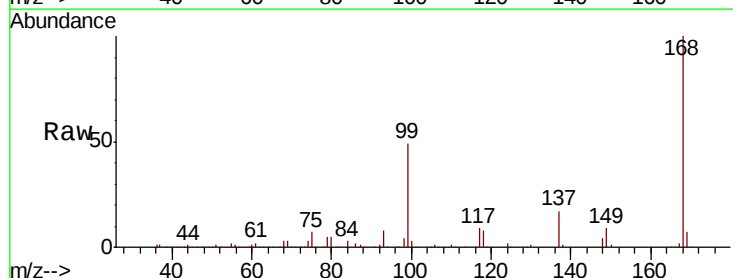
Tgt Ion: 75 Resp: 14532

Ion Ratio Lower Upper

75 100

110 10.0 20.8 62.2#

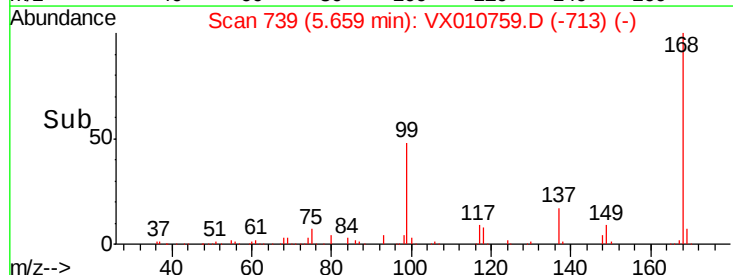
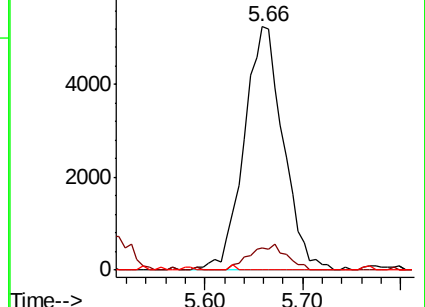
77 0.0 25.4 38.0#

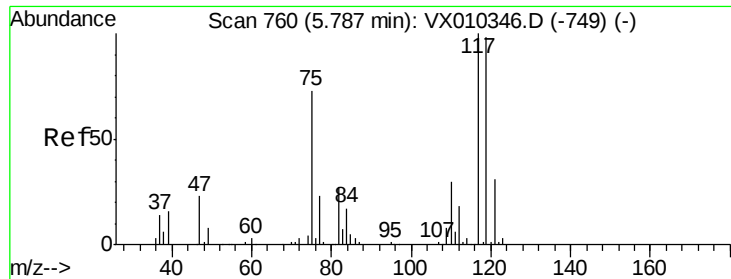


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.643 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010759.D

Acq: 09 Jul 2019 18:31

Instrument :

MSVOA_X

ClientSampleId :

TR-05-070819

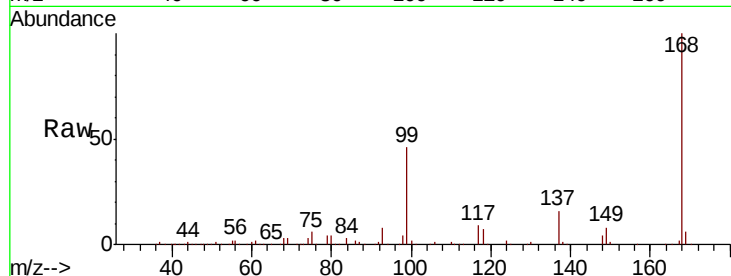
Tot Ion:117 Resp: 20237

Ion Ratio Lower Upper

117 100

119 4.8 78.2 117.4#

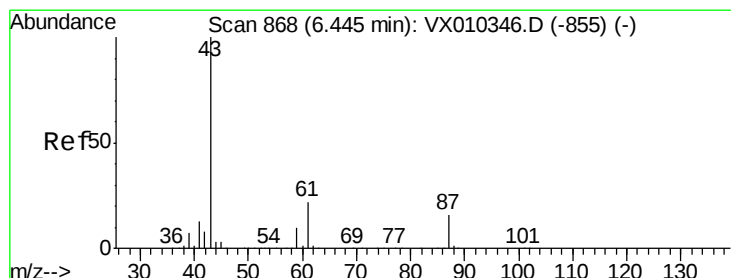
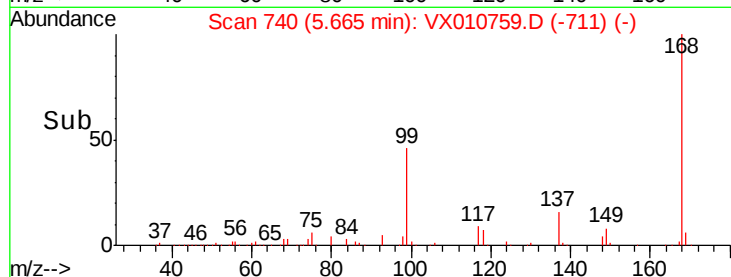
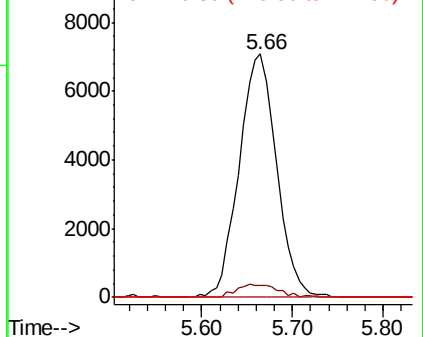
121 0.0 24.7 37.1#



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



#43

Isopropyl Acetate

Concen: 2.668 ug/l

RT: 6.45 min Scan# 869

Delta R.T. 0.01 min

Lab File: VX010759.D

Acq: 09 Jul 2019 18:31

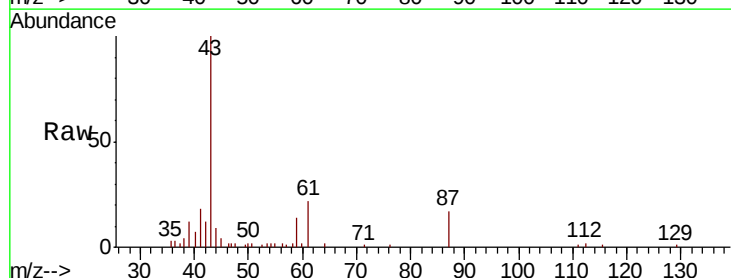
Tgt Ion: 43 Resp: 12774

Ion Ratio Lower Upper

43 100

61 22.5 17.8 26.6

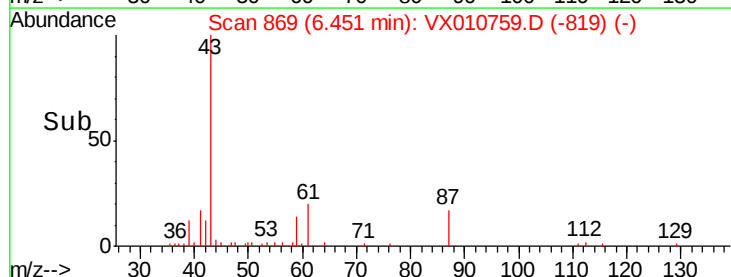
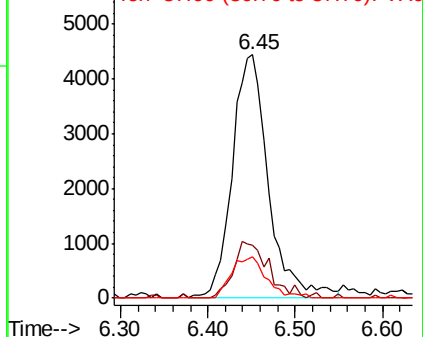
87 15.9 13.0 19.4

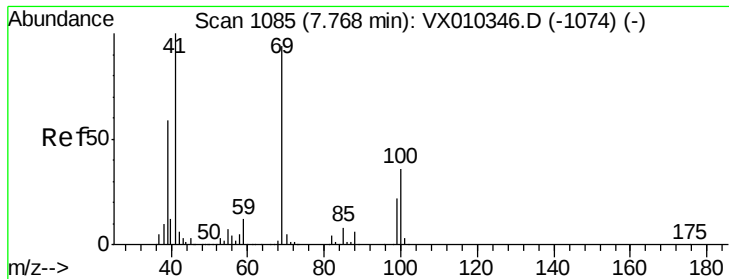


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

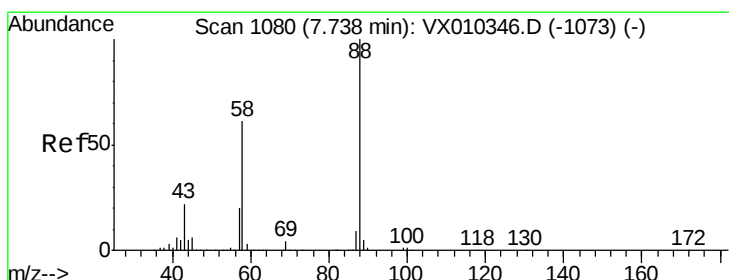
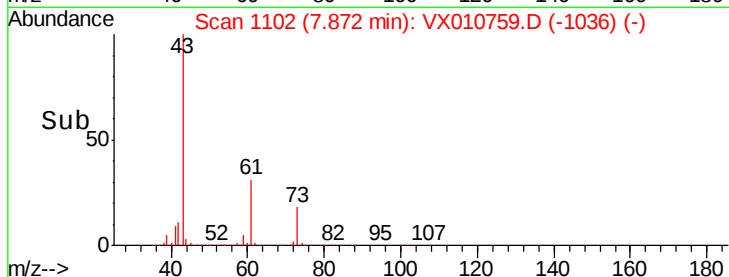
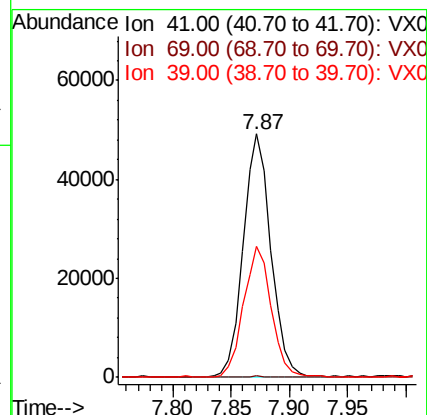
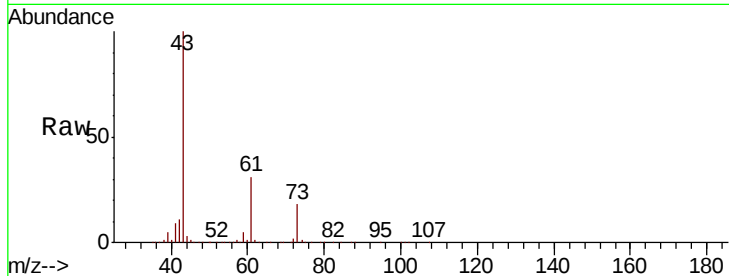




#48
Methyl methacrylate
Concen: 36.319 ug/l
RT: 7.87 min Scan# 1102
Delta R.T. 0.10 min
Lab File: VX010759.D
Acq: 09 Jul 2019 18:31

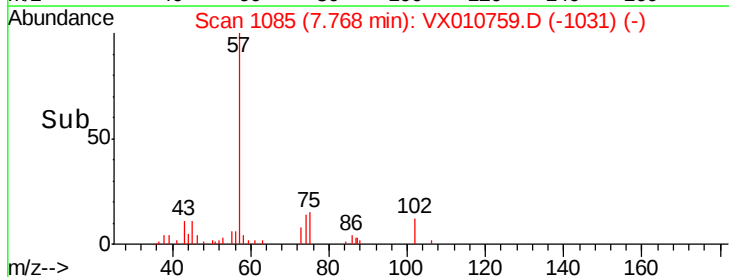
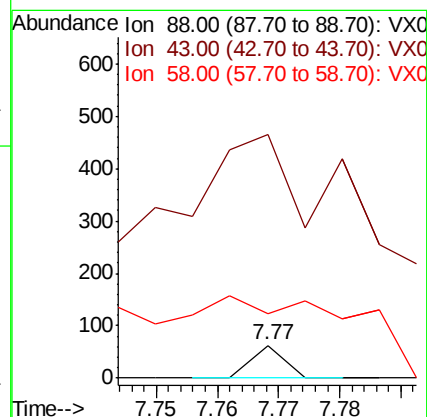
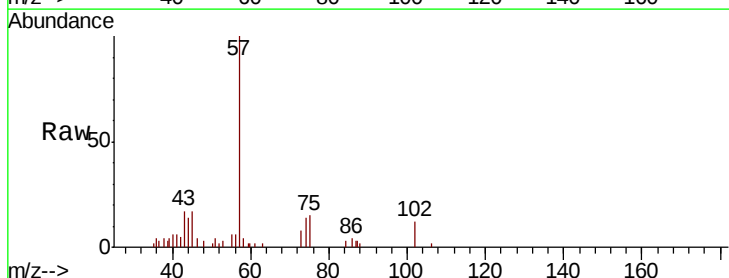
Instrument :
MSVOA_X
ClientSampleId :
TR-05-070819

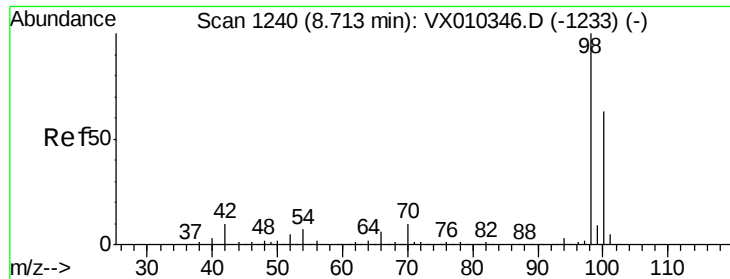
Tot Ion: 41 Resp: 80833
Ion Ratio Lower Upper
41 100
69 0.3 76.1 114.1#
39 53.8 47.6 71.4



#49
1,4-Dioxane
Concen: 0.359 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.03 min
Lab File: VX010759.D
Acq: 09 Jul 2019 18:31

Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 1069.6 49.5 74.3#





#50

Toluene-d8

Concen: 52.190 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX010759.D

Acq: 09 Jul 2019 18:31

Instrument :

MSVOA_X

ClientSampleId :

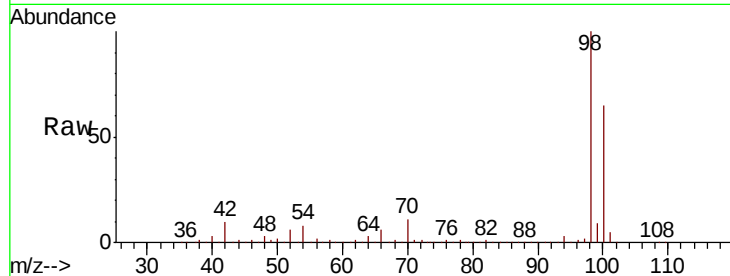
TR-05-070819

Tot Ion: 98 Resp: 432476

Ion Ratio Lower Upper

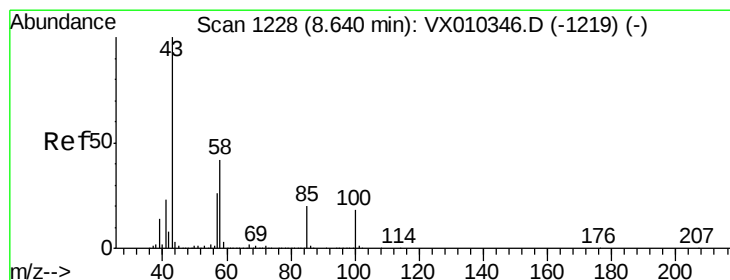
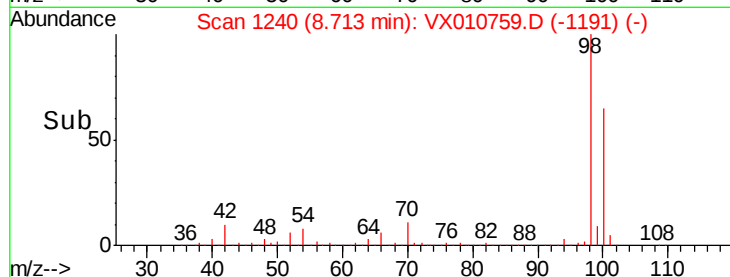
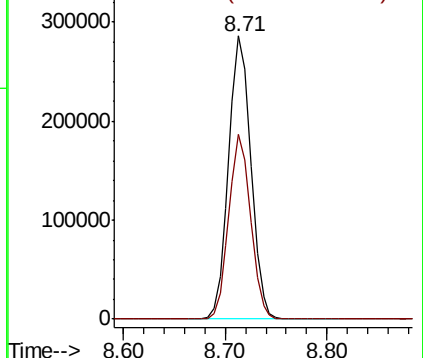
98 100

100 63.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 19.692 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. -0.03 min

Lab File: VX010759.D

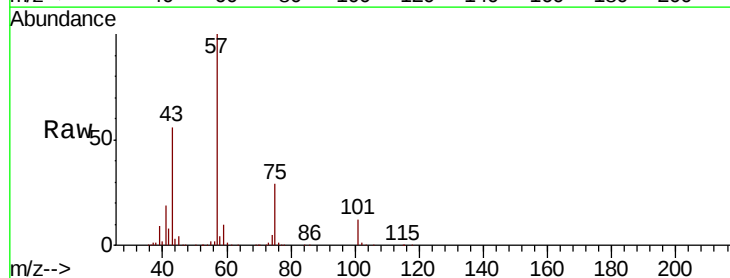
Acq: 09 Jul 2019 18:31

Tgt Ion: 43 Resp: 60302

Ion Ratio Lower Upper

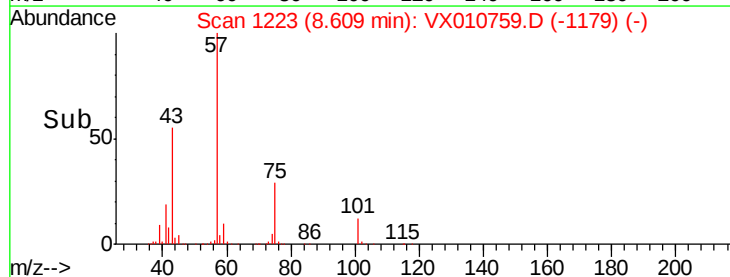
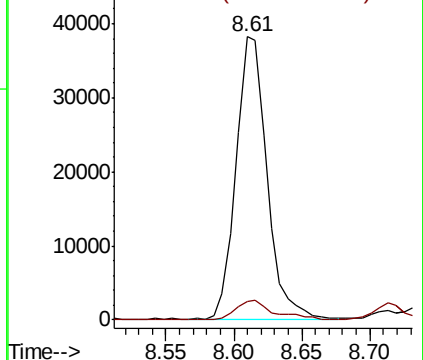
43 100

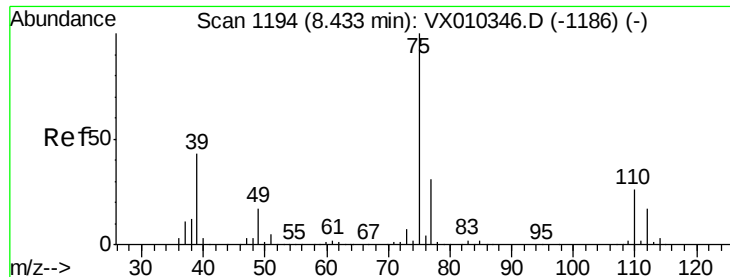
58 8.7 33.5 50.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



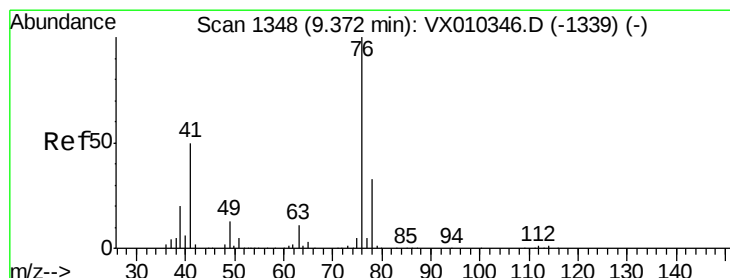
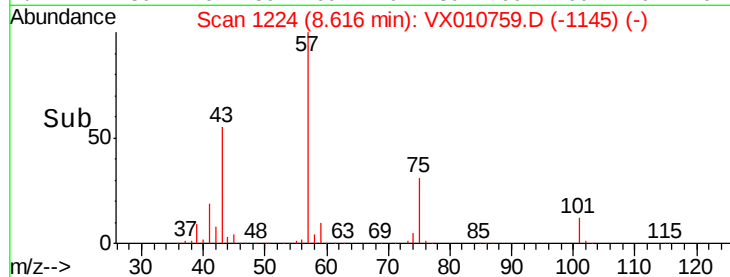
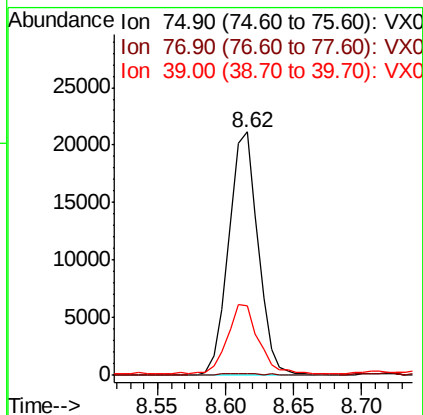
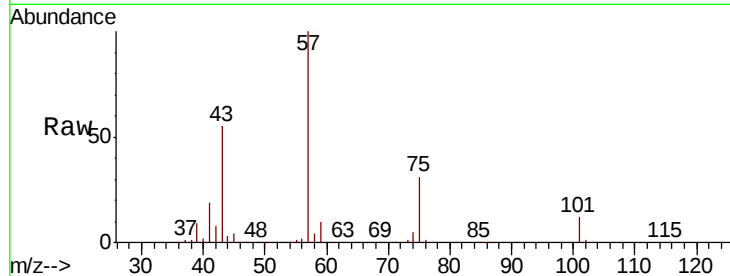


#54

cis-1,3-Dichloropropene
 Concen: 8.964 ug/l
 RT: 8.62 min Scan# 1224
 Delta R.T. 0.18 min
 Lab File: VX010759.D
 Acq: 09 Jul 2019 18:31

Instrument :
 MSVOA_X
 ClientSampled :
 TR-05-070819

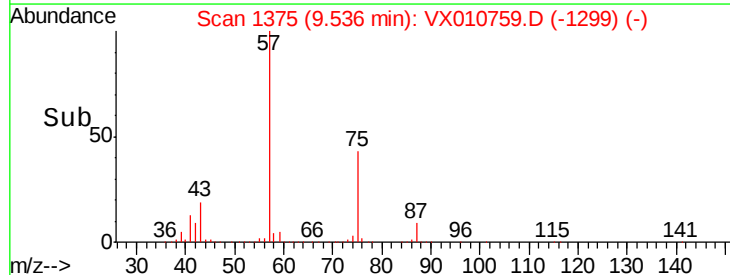
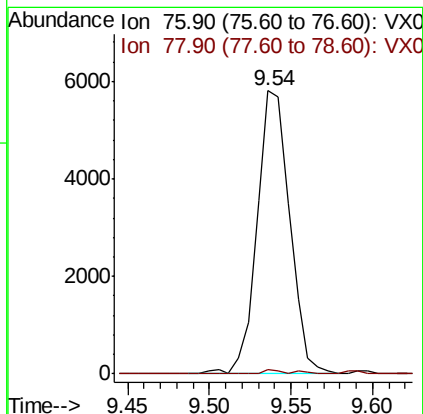
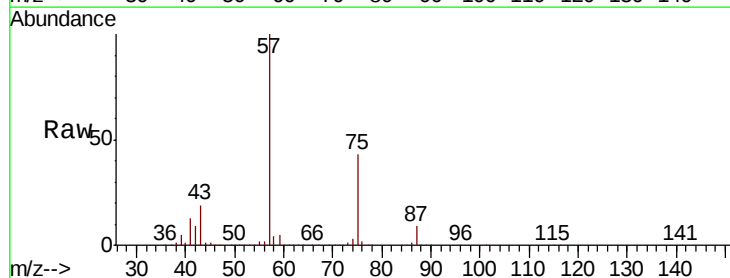
Tot Ion: 75 Resp: 31783
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.2 37.8#
 39 27.6 34.5 51.7#

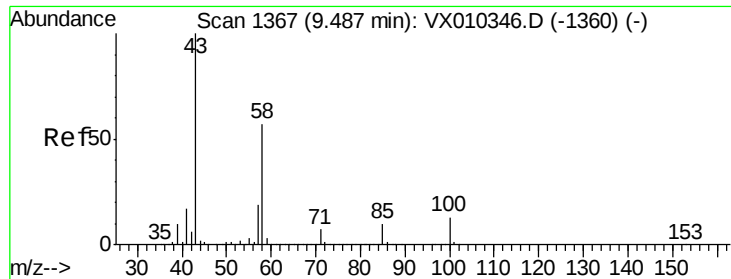


#57

1,3-Dichloropropane
 Concen: 2.195 ug/l
 RT: 9.54 min Scan# 1375
 Delta R.T. 0.16 min
 Lab File: VX010759.D
 Acq: 09 Jul 2019 18:31

Tgt Ion: 76 Resp: 8111
 Ion Ratio Lower Upper
 76 100
 78 0.8 26.1 39.1#

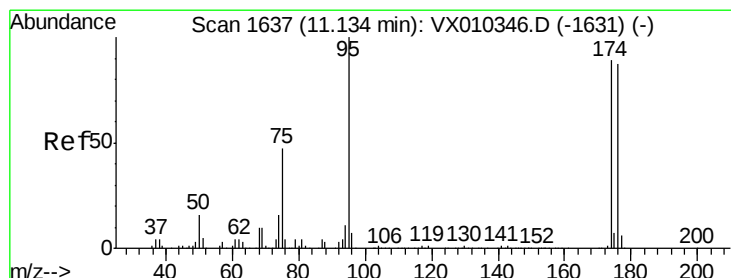
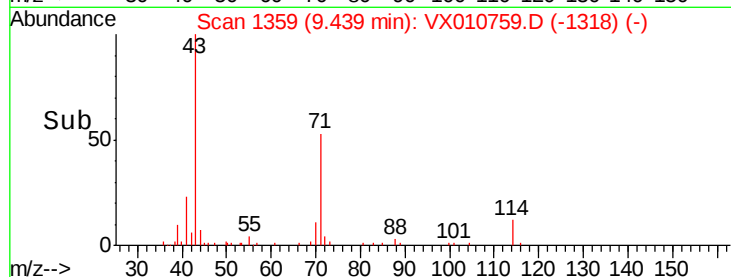
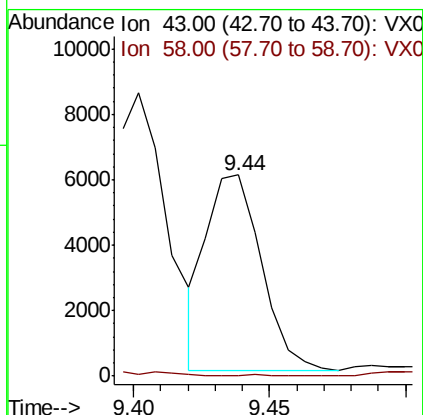
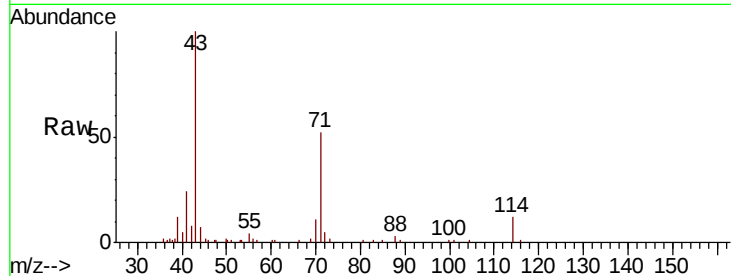




#59
2-Hexanone
Concen: 3.476 ug/l
RT: 9.44 min Scan# 1359
Delta R.T. -0.05 min
Lab File: VX010759.D
Acq: 09 Jul 2019 18:31

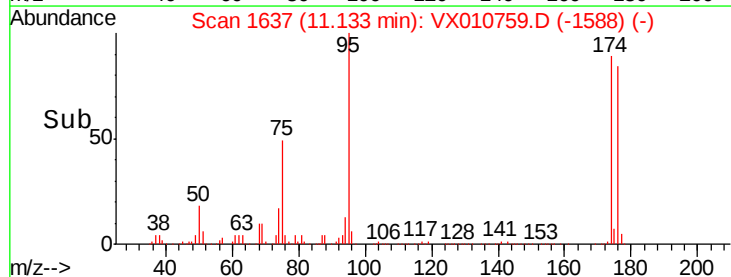
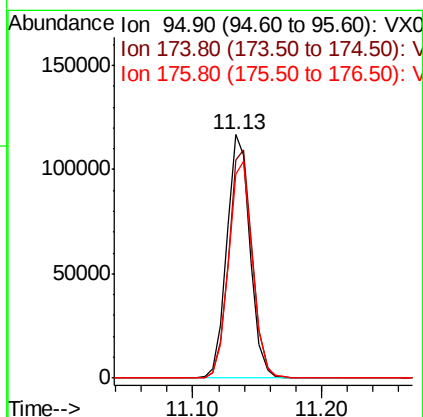
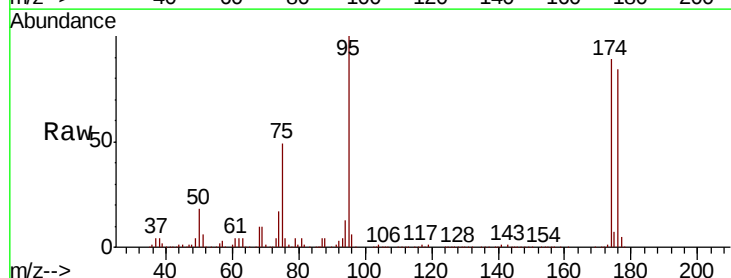
Instrument :
MSVOA_X
ClientSampleId :
TR-05-070819

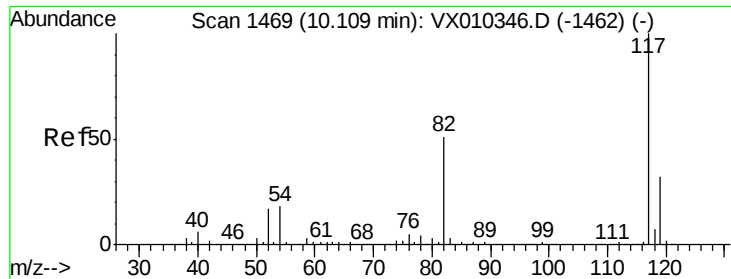
Tot Ion: 43 Resp: 8377
Ion Ratio Lower Upper
43 100
58 0.0 29.0 87.1#



#62
4-Bromofluorobenzene
Concen: 49.671 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX010759.D
Acq: 09 Jul 2019 18:31

Tgt Ion: 95 Resp: 148599
Ion Ratio Lower Upper
95 100
174 94.9 0.0 187.6
176 90.6 0.0 184.0

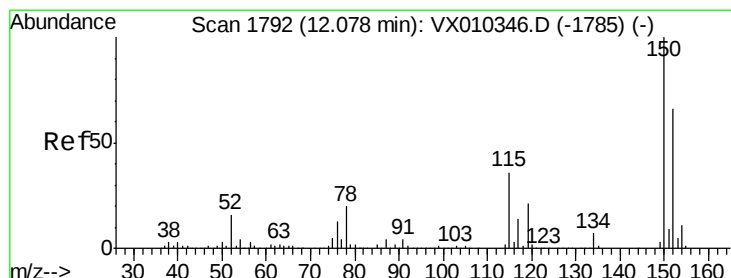
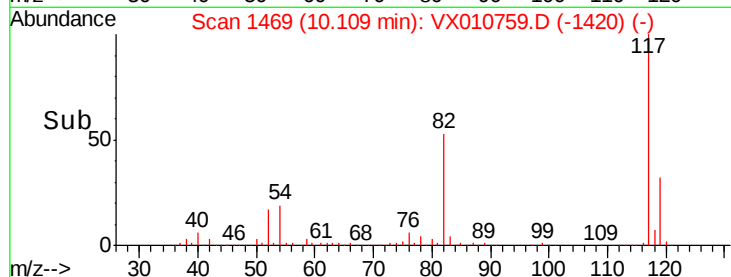
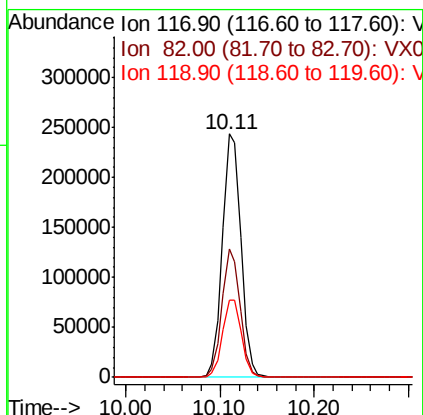
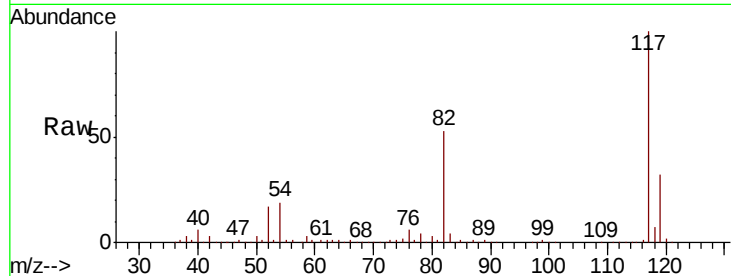




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010759.D
Acq: 09 Jul 2019 18:31

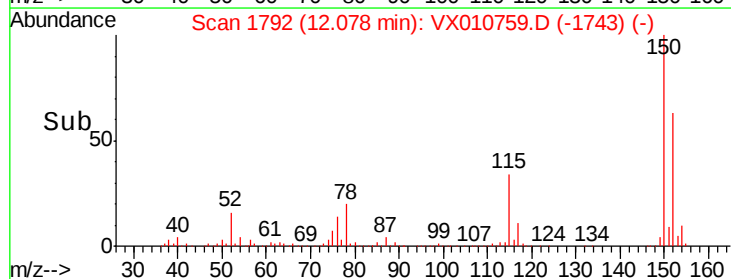
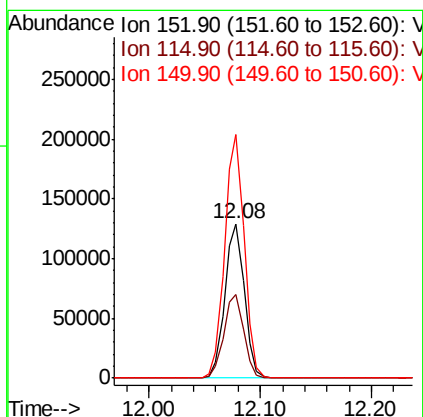
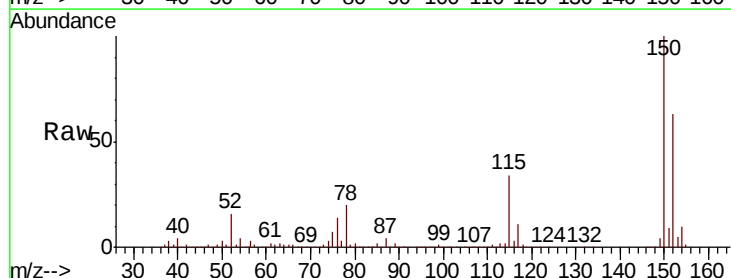
Instrument :
MSVOA_X
ClientSampleId :
TR-05-070819

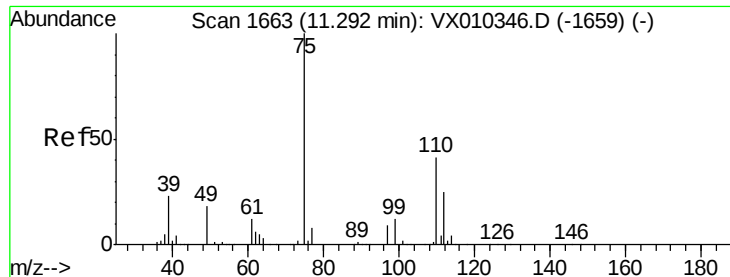
Tot Ion:117 Resp: 334465
Ion Ratio Lower Upper
117 100
82 52.5 41.2 61.8
119 31.8 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010759.D
Acq: 09 Jul 2019 18:31

Tgt Ion:152 Resp: 156271
Ion Ratio Lower Upper
152 100
115 55.5 38.6 115.7
150 158.3 0.0 347.4

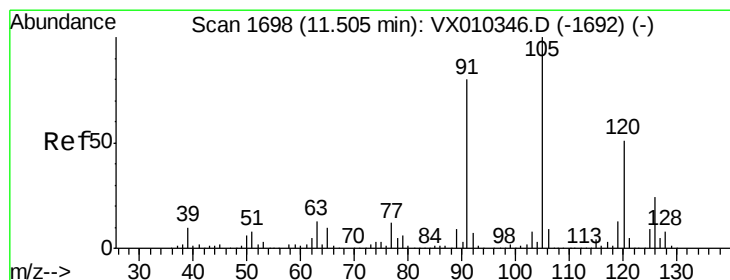
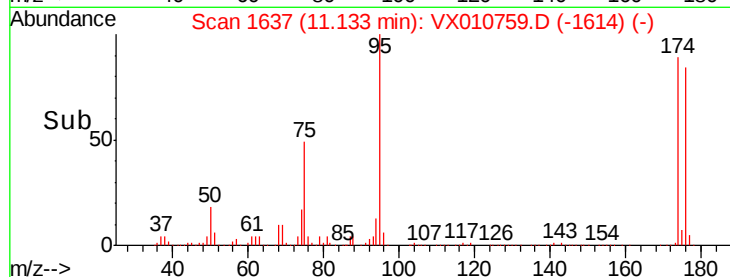
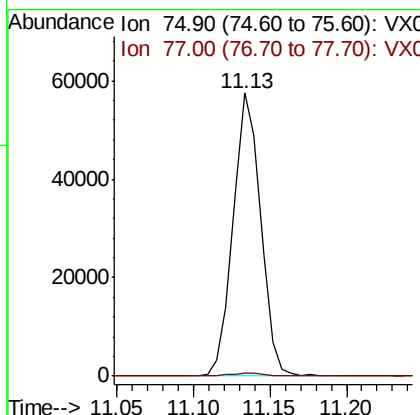
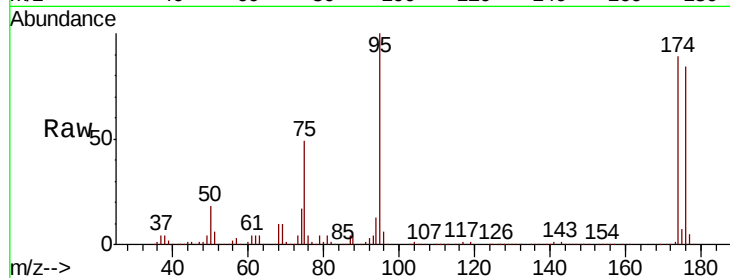




#76
 1,2,3-Trichloropropane
 Concen: 25.254 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010759.D
 Acq: 09 Jul 2019 18:31

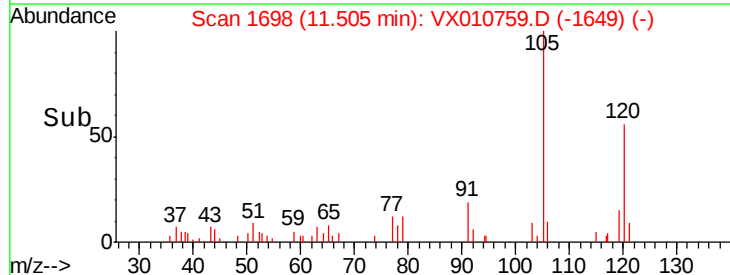
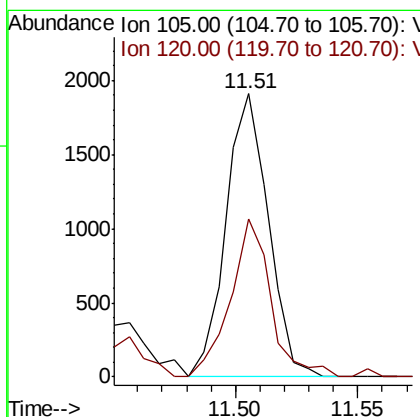
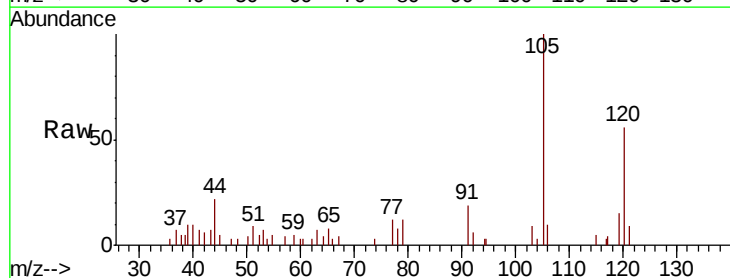
Instrument :
 MSVOA_X
 ClientSampleId :
 TR-05-070819

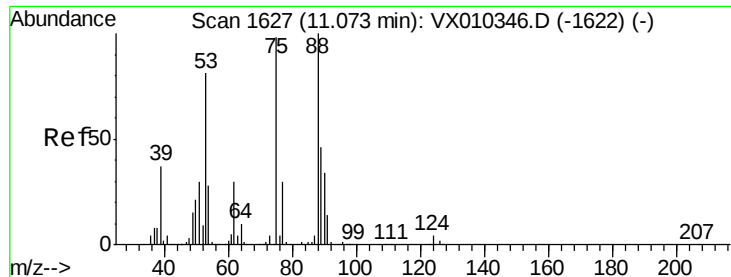
Tot Ion: 75 Resp: 71914
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.6 67.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.263 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX010759.D
 Acq: 09 Jul 2019 18:31

Tgt Ion: 105 Resp: 2293
 Ion Ratio Lower Upper
 105 100
 120 53.2 25.2 75.6

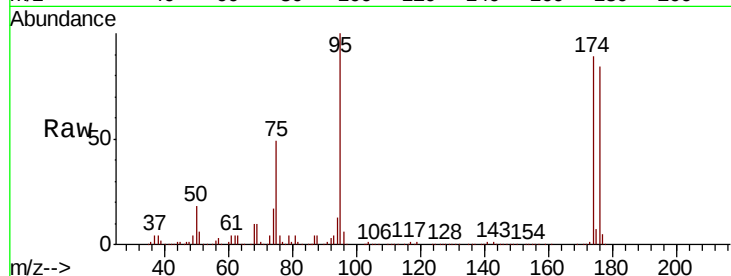




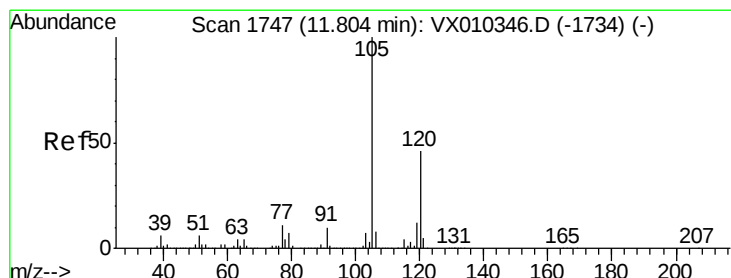
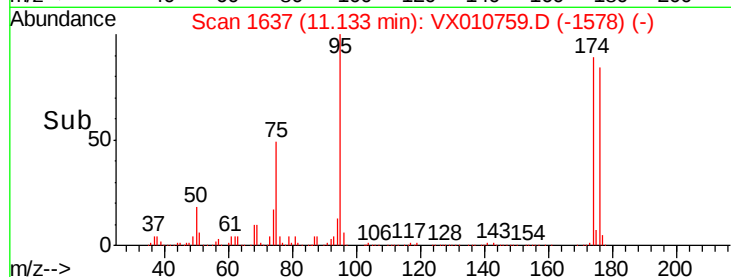
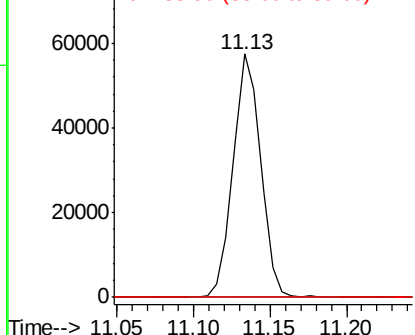
#81
trans-1,4-Dichloro-2-butene
Concen: 58.914 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX010759.D
Acq: 09 Jul 2019 18:31

Instrument :
MSVOA_X
ClientSampleId :
TR-05-070819

Tot Ion: 75 Resp: 71914
Ion Ratio Lower Upper
75 100
53 0.1 66.1 99.1#
89 0.0 37.8 56.6#

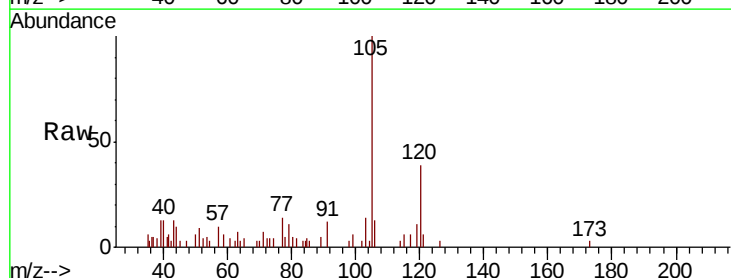


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

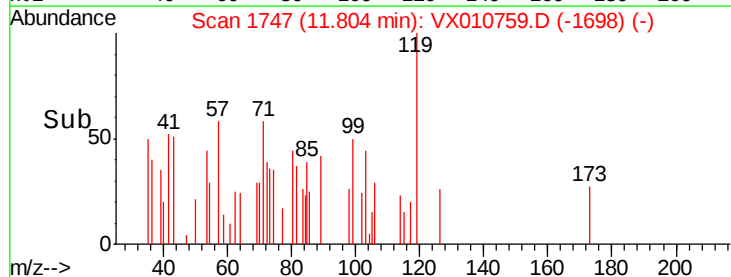
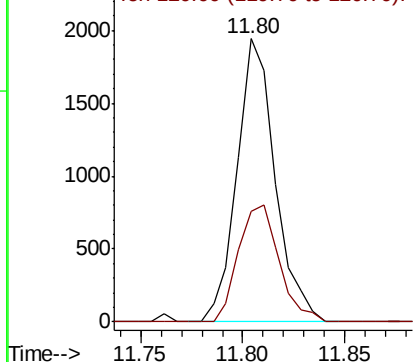


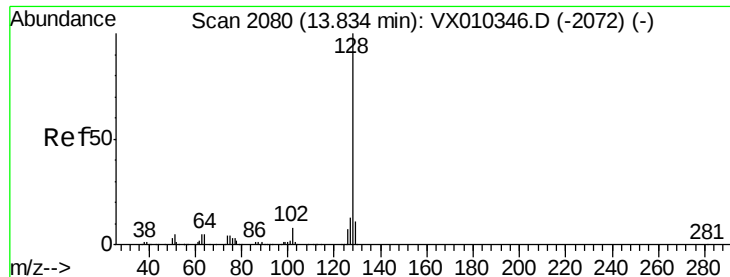
#84
1,2,4-Trimethylbenzene
Concen: 0.287 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX010759.D
Acq: 09 Jul 2019 18:31

Tgt Ion: 105 Resp: 2522
Ion Ratio Lower Upper
105 100
120 43.9 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 0.604 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX010759.D

Acq: 09 Jul 2019 18:31

Instrument :

MSVOA_X

ClientSampleId :

TR-05-070819

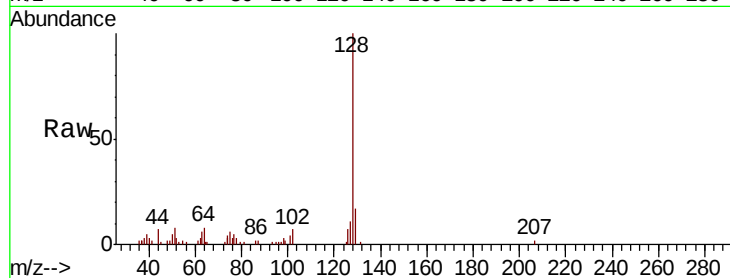
Tot Ion:128 Resp: 6603

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

129 13.6 8.9 13.3#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

