

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070219\
 Data File : VX010610.D
 Acq On : 02 Jul 2019 12:30
 Operator : JC/SP
 Sample : K3521-46
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SY-2R

Quant Time: Jul 15 05:51:20 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	5.67	168	240226	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	368352	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	330767	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	150387	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	115531	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	
35) Dibromofluoromethane	5.49	113	113139	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	
50) Toluene-d8	8.71	98	432272	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	
62) 4-Bromofluorobenzene	11.13	95	143044	45.95	ug/l	0.00
Spiked Amount			Recovery	=	91.90%	

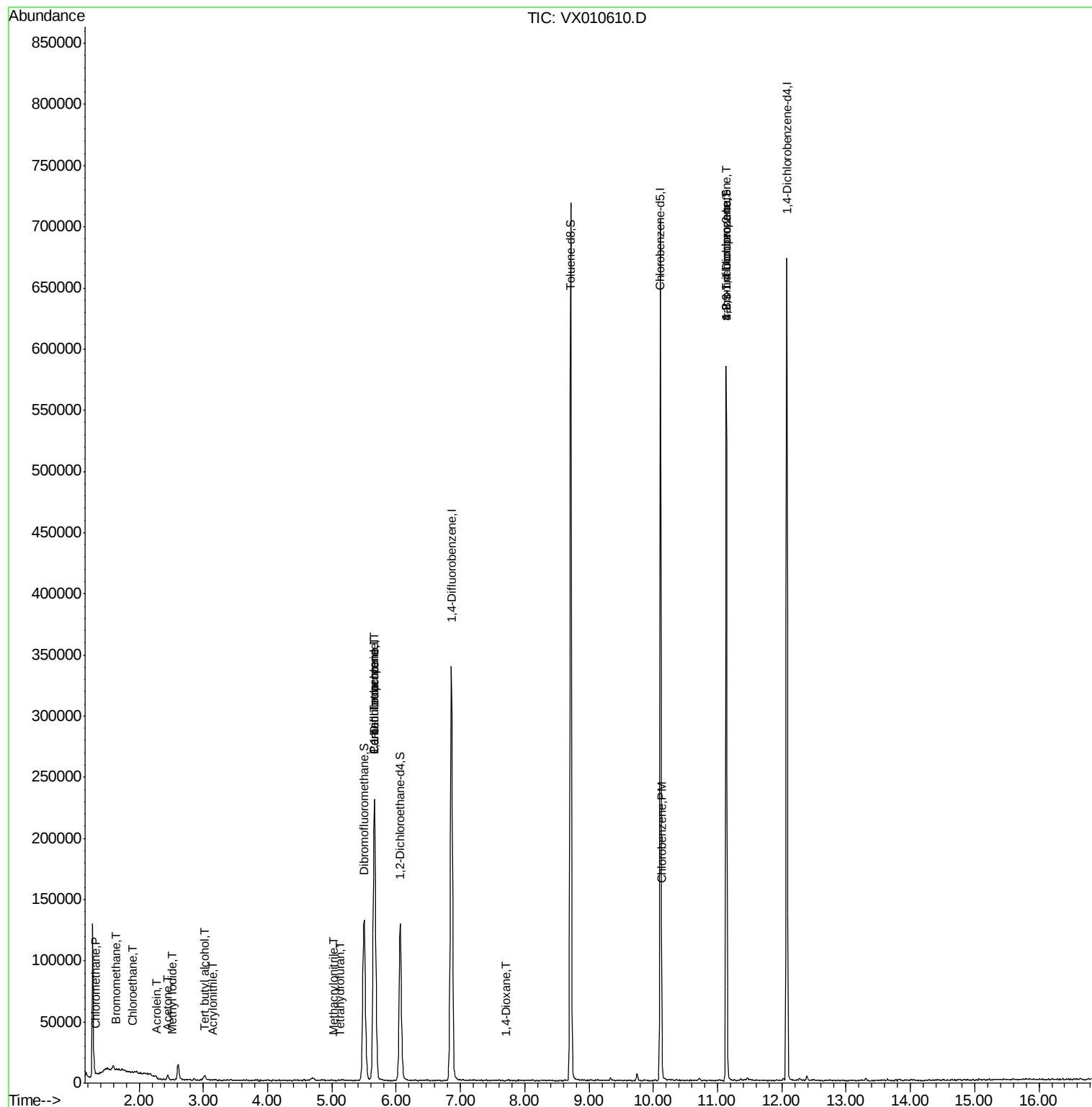
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	699	0.359	ug/l #	76
5) Bromomethane	1.65	94	659	0.635	ug/l	96
6) Chloroethane	1.89	64	487	0.388	ug/l #	51
10) Methyl Iodide	2.52	142	737	0.252	ug/l	100
11) Tert butyl alcohol	3.02	59	2636	4.473	ug/l #	89
13) Acrolein	2.28	56	122	0.312	ug/l #	58
15) Acrylonitrile	3.15	53	263	0.225	ug/l #	38
16) Acetone	2.45	43	4077	3.612	ug/l	91
29) Tetrahydrofuran	5.12	42	207	0.202	ug/l #	28
36) 1,1-Dichloropropene	5.66	75	15212	5.197	ug/l #	48
38) Carbon Tetrachloride	5.66	117	21156	6.674	ug/l #	15
41) Methacrylonitrile	5.02	41	359	0.217	ug/l #	38
49) 1,4-Dioxane	7.71	88	42	0.630	ug/l #	1
65) Chlorobenzene	10.13	112	1702	0.253	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	69592	25.394	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	69592	59.242	ug/l #	16

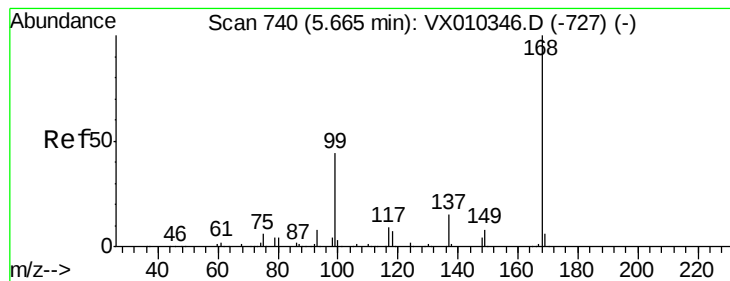
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010610.D

Acq: 02 Jul 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

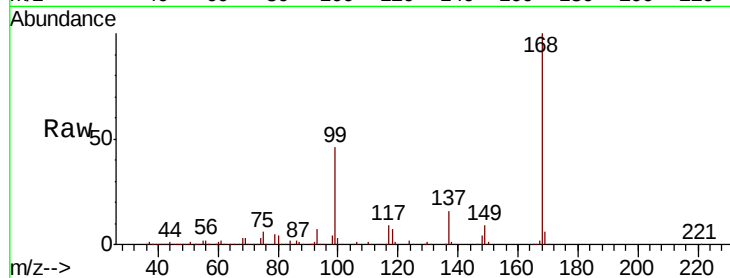
SY-2R

Tot Ion:168 Resp: 240226

Ion Ratio Lower Upper

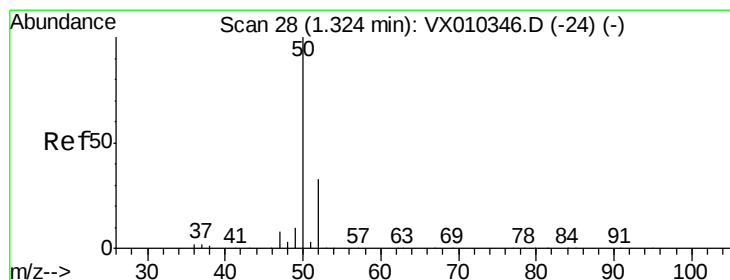
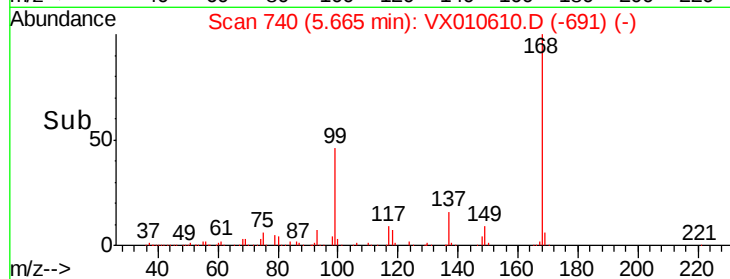
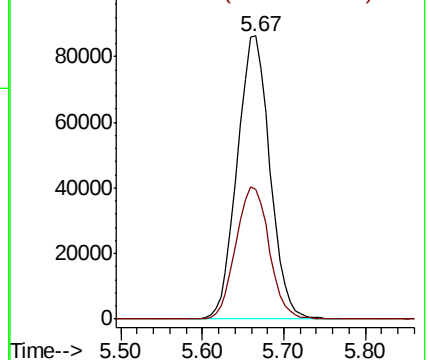
168 100

99 45.8 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.359 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010610.D

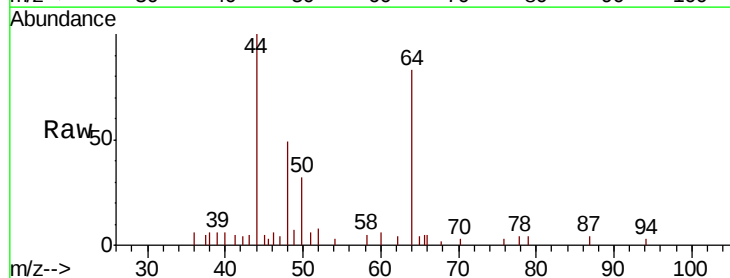
Acq: 02 Jul 2019 12:30

Tgt Ion: 50 Resp: 699

Ion Ratio Lower Upper

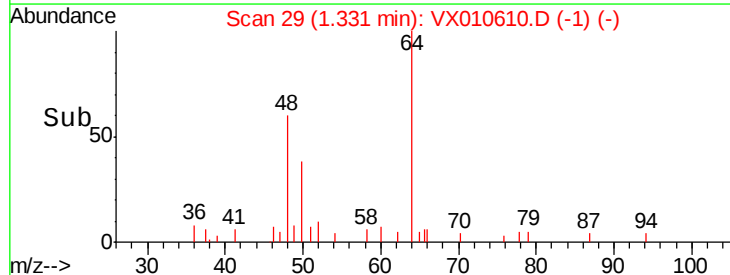
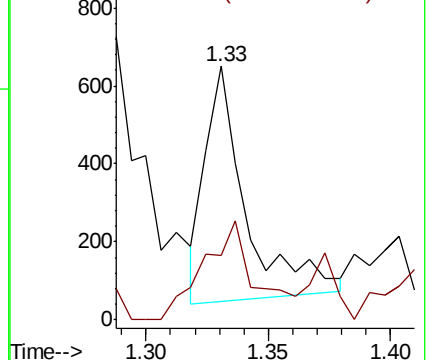
50 100

52 19.6 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.635 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010610.D

Acq: 02 Jul 2019 12:30

Instrument :

MSVOA_X

ClientSampled :

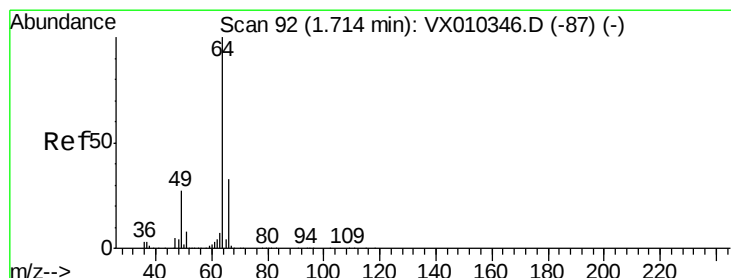
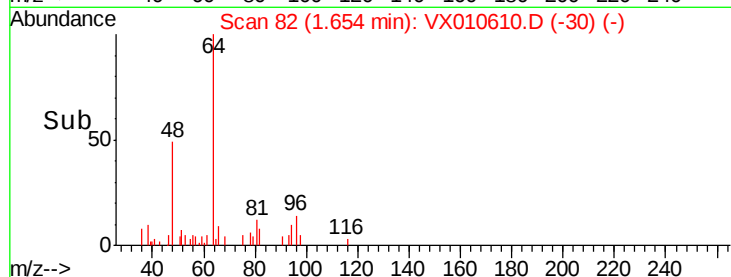
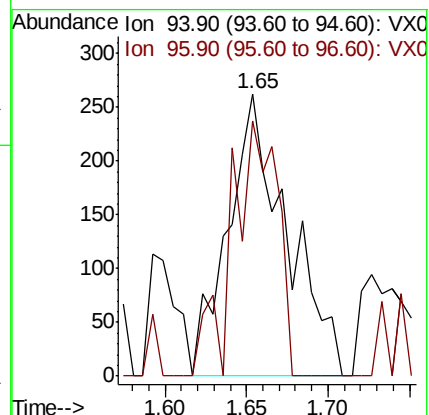
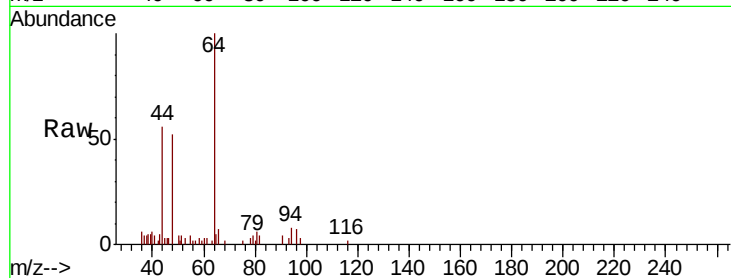
SY-2R

Tot Ion: 94 Resp: 659

Ion Ratio Lower Upper

94 100

96 90.5 75.5 113.3



#6

Chloroethane

Concen: 0.388 ug/l

RT: 1.89 min Scan# 121

Delta R.T. 0.18 min

Lab File: VX010610.D

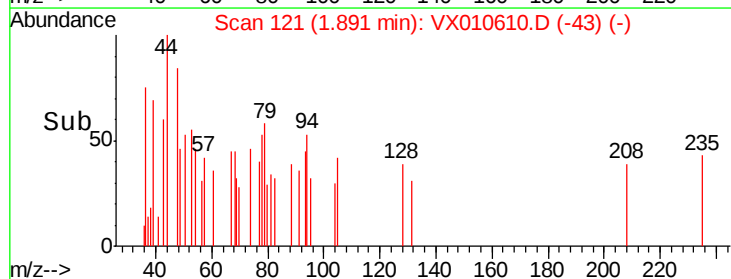
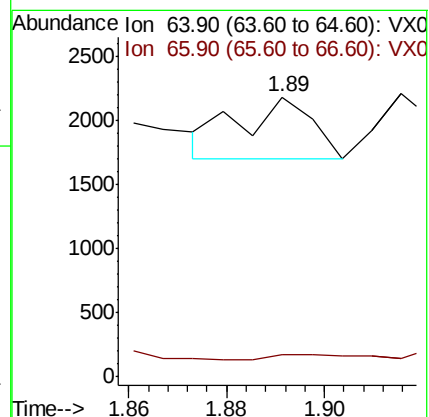
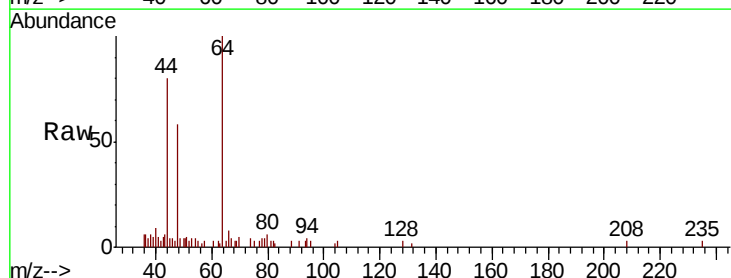
Acq: 02 Jul 2019 12:30

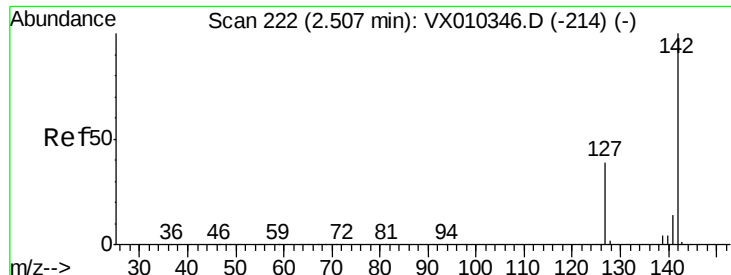
Tgt Ion: 64 Resp: 487

Ion Ratio Lower Upper

64 100

66 5.2 26.6 40.0#

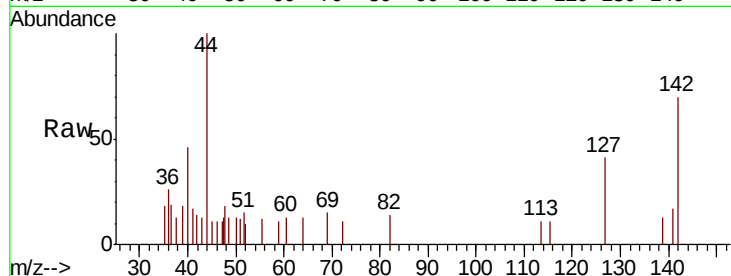




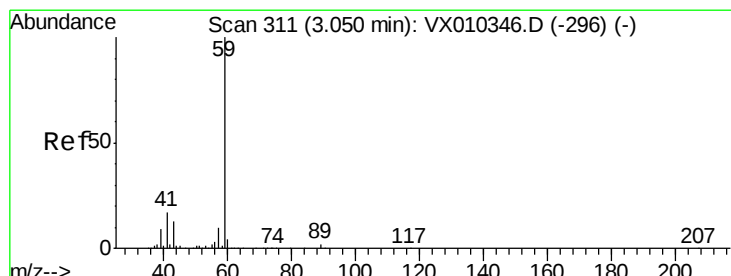
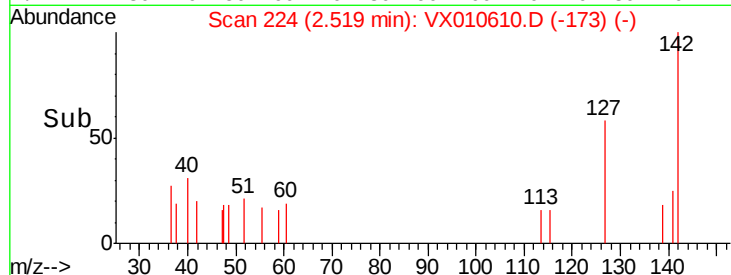
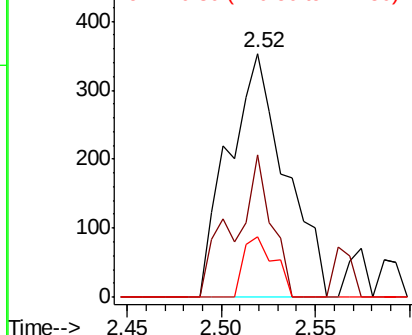
#10
Methvl Iodide
Concen: 0.252 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX010610.D
Acq: 02 Jul 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
SY-2R

Tot Ion:142 Resp: 737
Ion Ratio Lower Upper
142 100
127 38.8 31.1 46.7
141 13.4 11.2 16.8

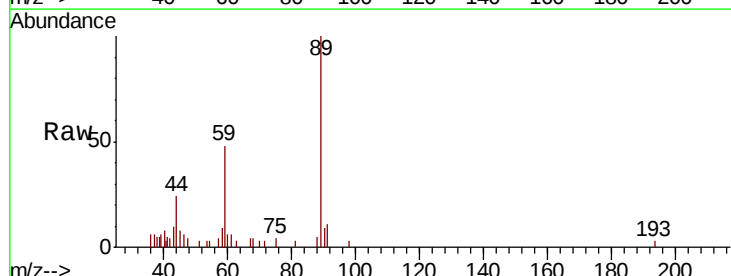


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

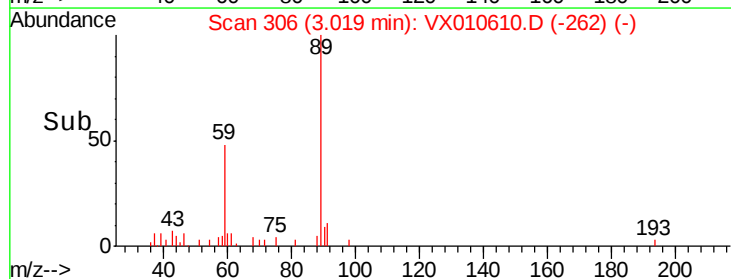
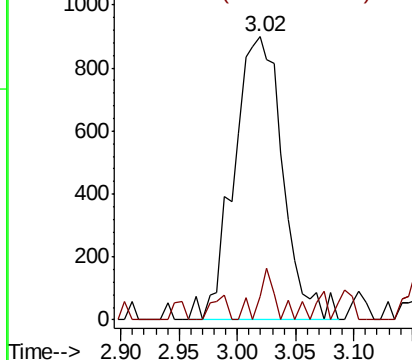


#11
Tert butyl alcohol
Concen: 4.473 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010610.D
Acq: 02 Jul 2019 12:30

Tgt Ion: 59 Resp: 2636
Ion Ratio Lower Upper
59 100
57 5.4 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.312 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX010610.D

Acq: 02 Jul 2019 12:30

Instrument :

MSVOA_X

ClientSampled :

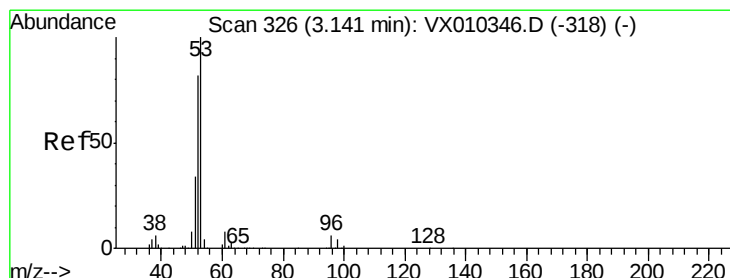
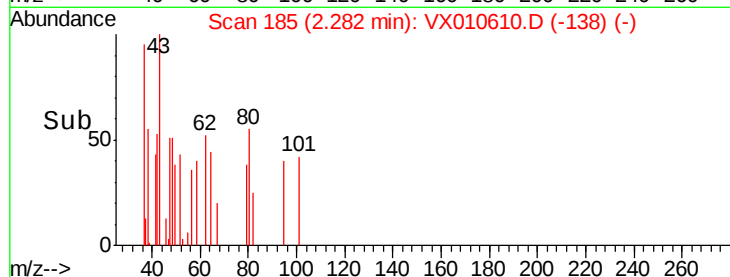
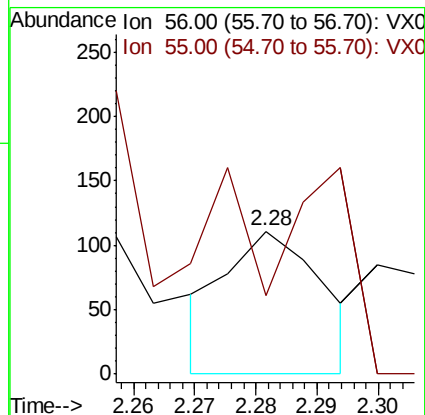
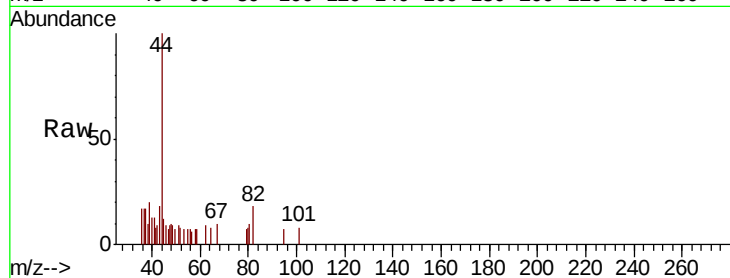
SY-2R

Tot Ion: 56 Resp: 122

Ion Ratio Lower Upper

56 100

55 36.1 56.9 85.3#



#15

Acrylonitrile

Concen: 0.225 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX010610.D

Acq: 02 Jul 2019 12:30

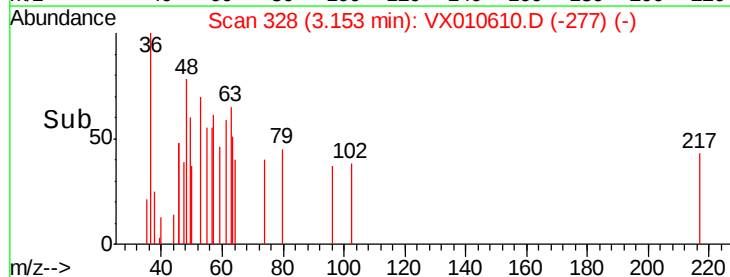
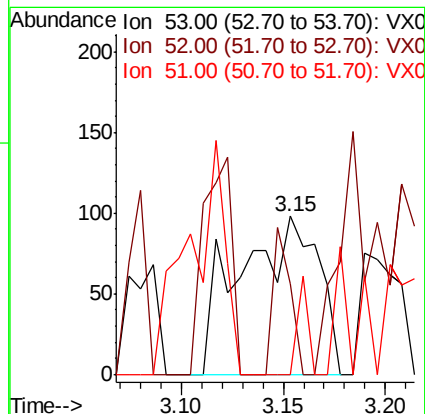
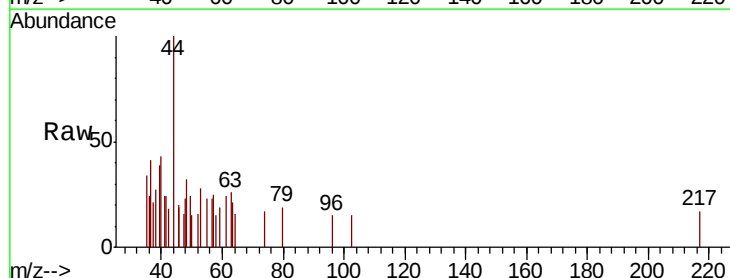
Tgt Ion: 53 Resp: 263

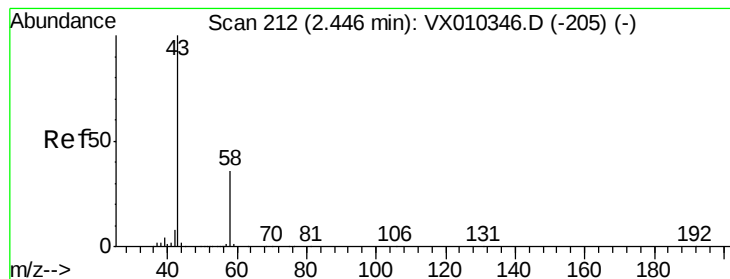
Ion Ratio Lower Upper

53 100

52 20.5 65.5 98.3#

51 8.4 28.2 42.4#





#16

Acetone

Concen: 3.612 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010610.D

Acq: 02 Jul 2019 12:30

Instrument :

MSVOA_X

ClientSampled :

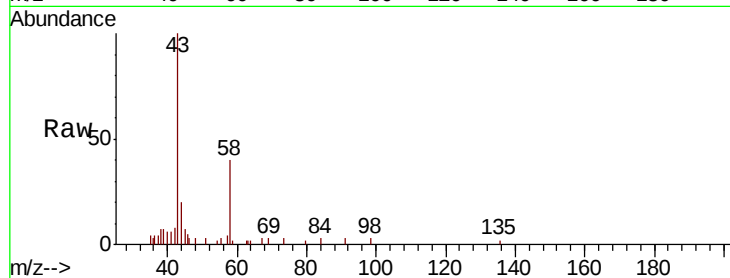
SY-2R

Tot Ion: 43 Resp: 4077

Ion Ratio Lower Upper

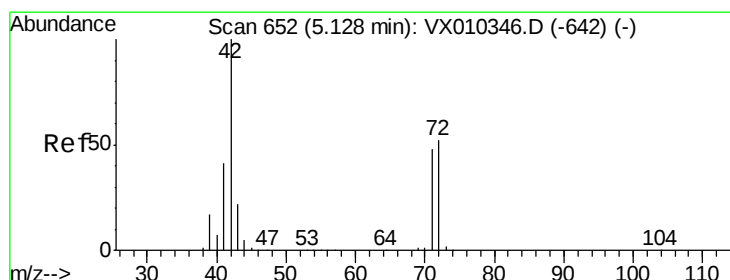
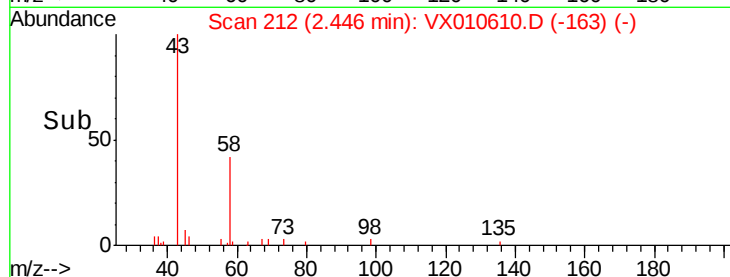
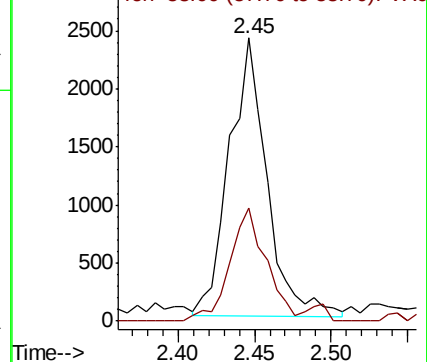
43 100

58 41.4 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#29

Tetrahydrofuran

Concen: 0.202 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX010610.D

Acq: 02 Jul 2019 12:30

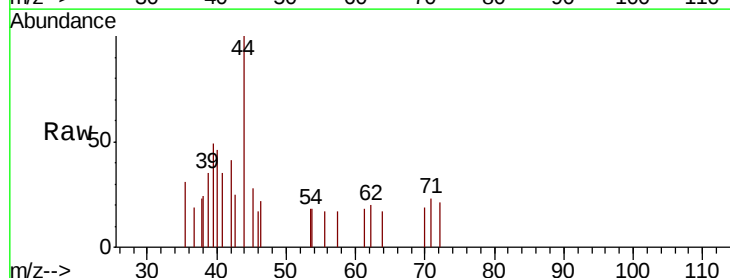
Tgt Ion: 42 Resp: 207

Ion Ratio Lower Upper

42 100

72 0.0 40.6 60.8#

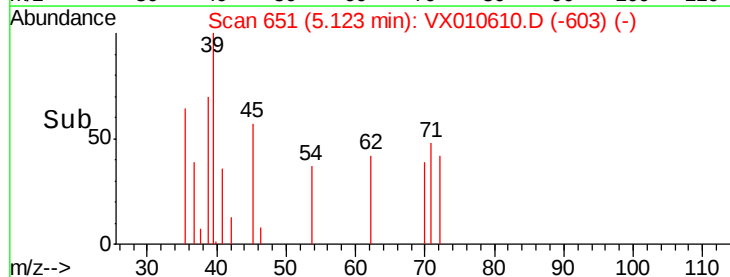
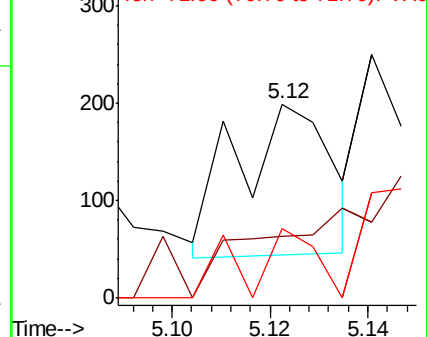
71 0.0 37.8 56.8#

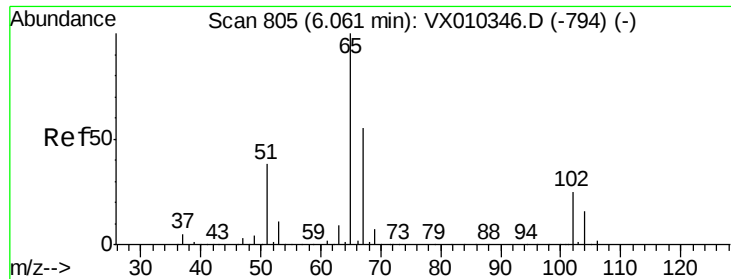


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

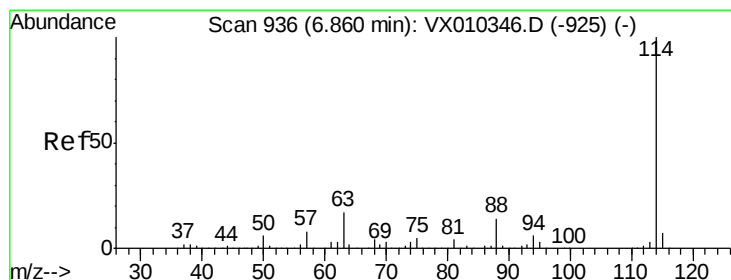
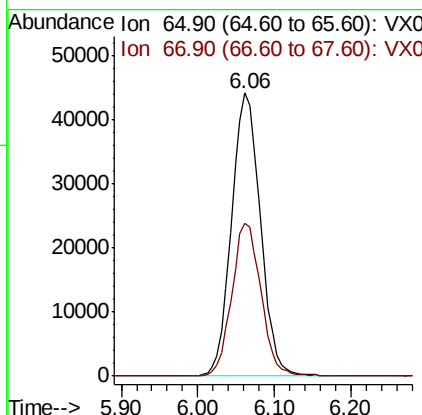
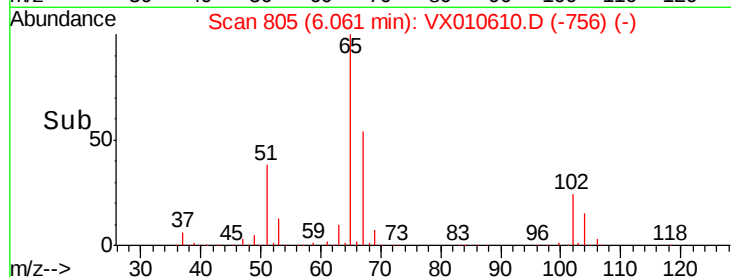
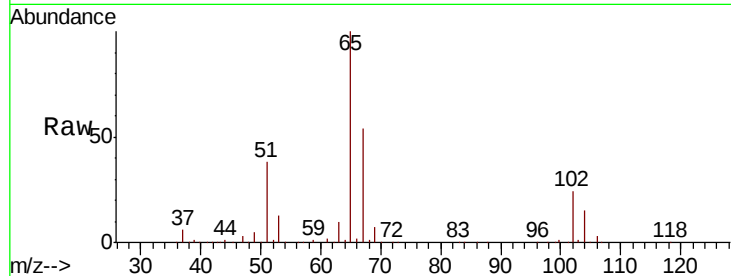




#33
 1,2-Dichloroethane-d4
 Concen: 51.293 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010610.D
 Acq: 02 Jul 2019 12:30

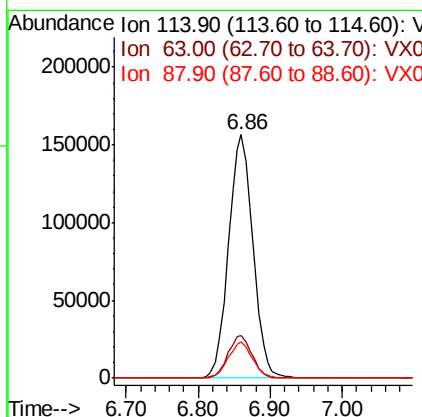
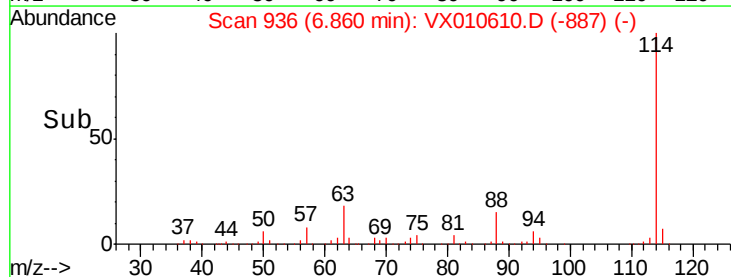
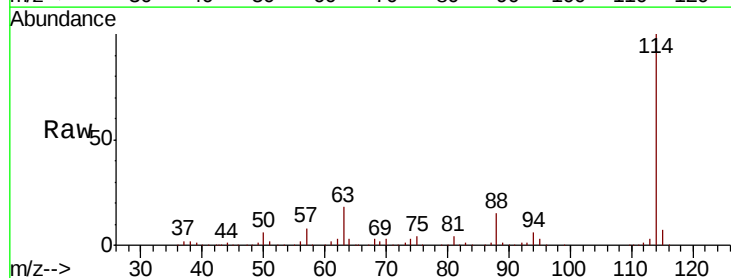
Instrument :
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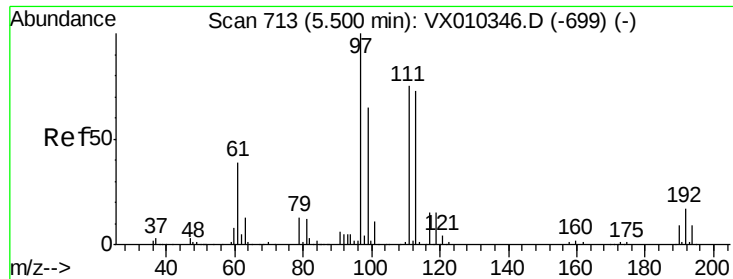
Tot Ion: 65 Resp: 115531
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010610.D
 Acq: 02 Jul 2019 12:30

Tgt Ion: 114 Resp: 368352
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 33.8
 88 14.7 0.0 27.6

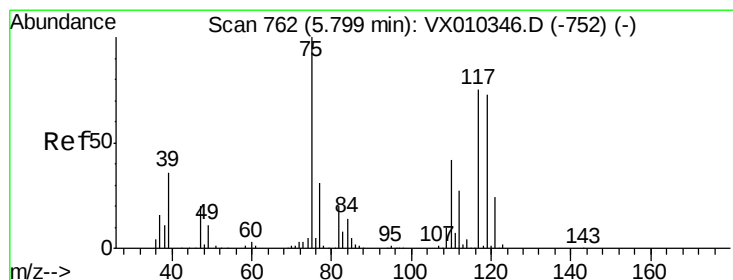
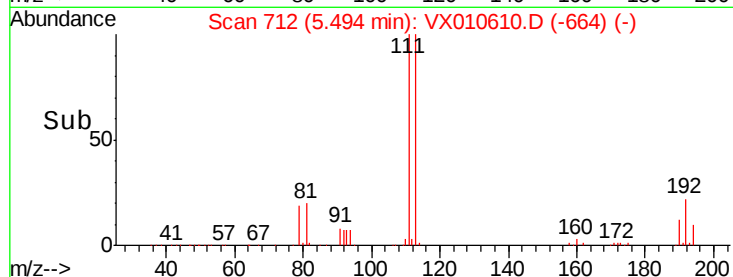
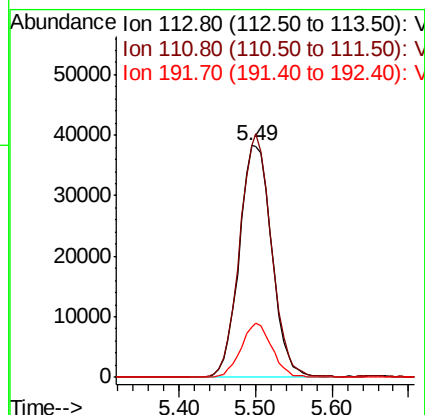
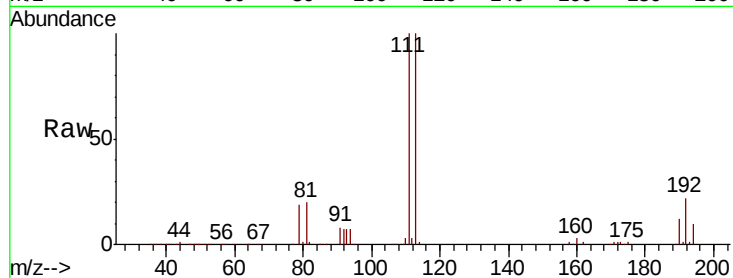




#35
 Dibromofluoromethane
 Concen: 50.201 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX010610.D
 Acq: 02 Jul 2019 12:30

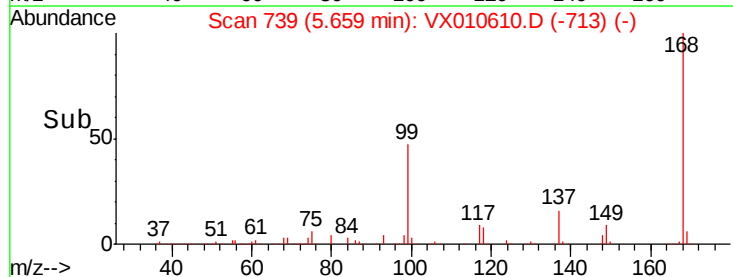
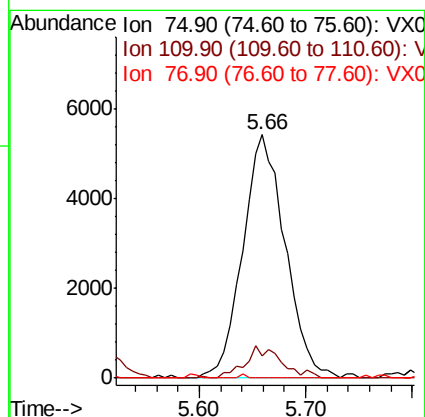
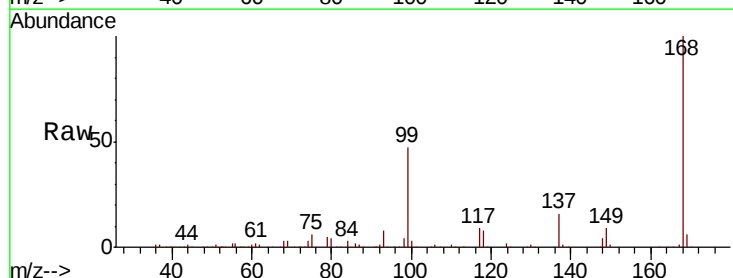
Instrument :
 MSVOA_X
 ClientSampleId :
 SY-2R

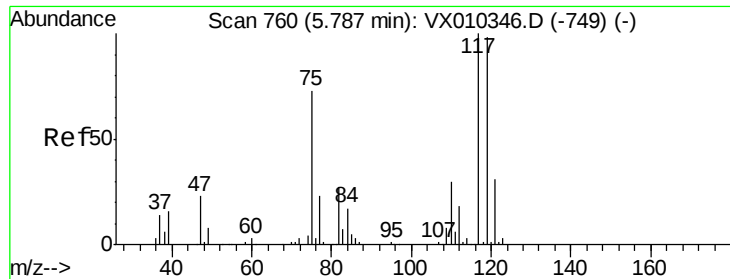
Tot Ion:113 Resp: 113139
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.2 121.8
 192 22.0 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 5.197 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010610.D
 Acq: 02 Jul 2019 12:30

Tgt Ion: 75 Resp: 15212
 Ion Ratio Lower Upper
 75 100
 110 11.2 20.8 62.2#
 77 0.2 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 6.674 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010610.D

Acq: 02 Jul 2019 12:30

Instrument :

MSVOA_X

ClientSampled :

SY-2R

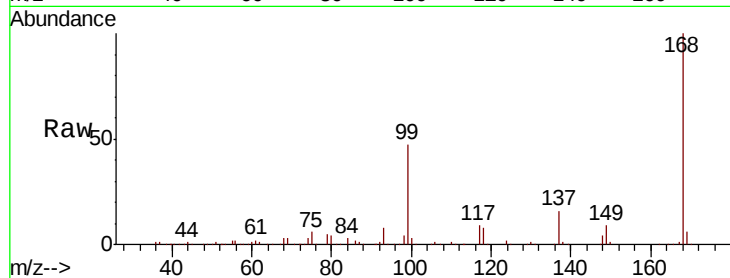
Tot Ion:117 Resp: 21156

Ion Ratio Lower Upper

117 100

119 4.9 78.2 117.4#

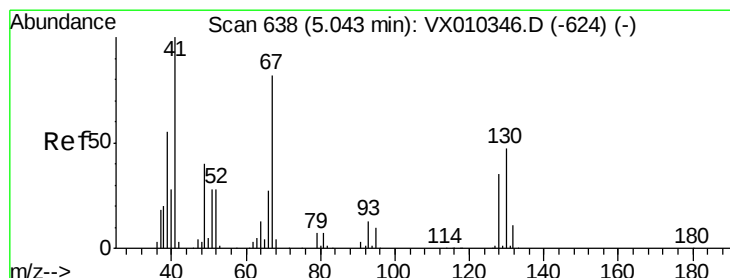
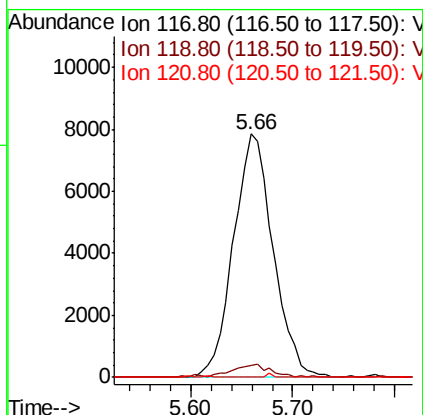
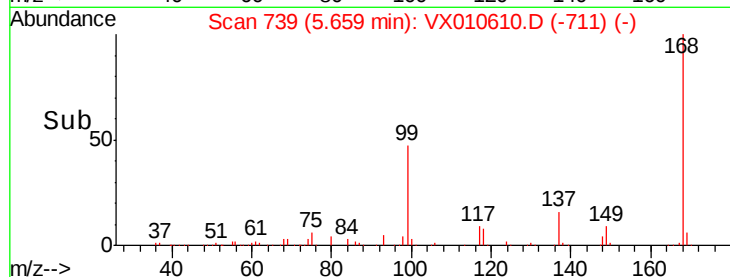
121 0.0 24.7 37.1#



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



#41

Methacrylonitrile

Concen: 0.217 ug/l

RT: 5.02 min Scan# 635

Delta R.T. -0.02 min

Lab File: VX010610.D

Acq: 02 Jul 2019 12:30

Tgt Ion: 41 Resp: 359

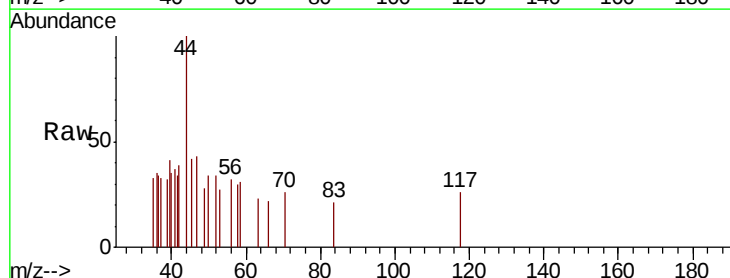
Ion Ratio Lower Upper

41 100

39 34.0 43.8 65.8#

67 0.0 66.6 100.0#

52 8.6 24.5 36.7#

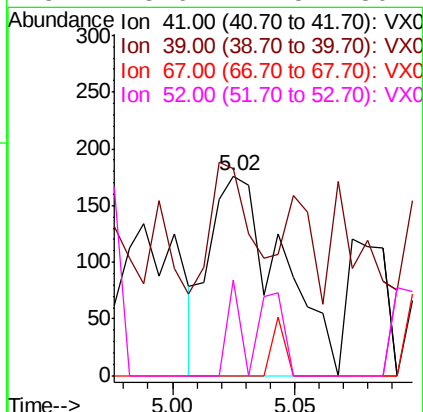
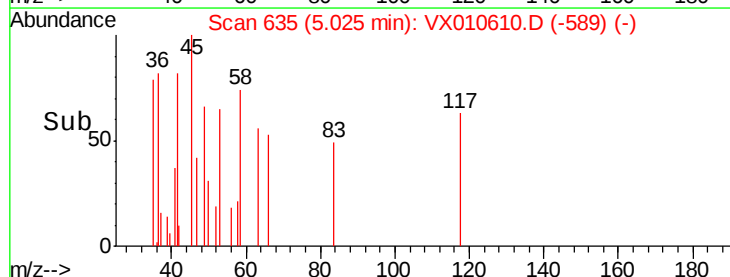


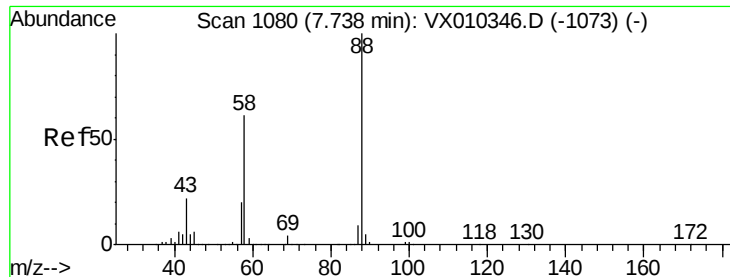
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#49

1,4-Dioxane

Concen: 0.630 ug/l

RT: 7.71 min Scan# 1075

Delta R.T. -0.03 min

Lab File: VX010610.D

Acq: 02 Jul 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

SY-2R

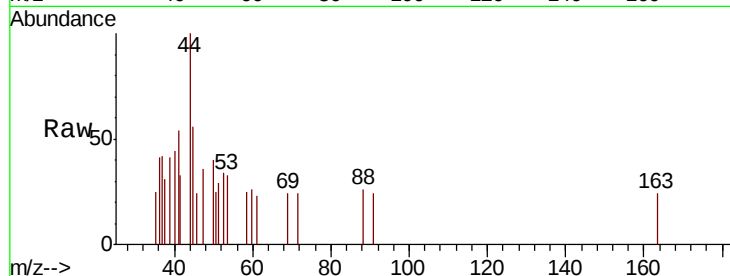
Tot Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 404.8 20.2 30.2#

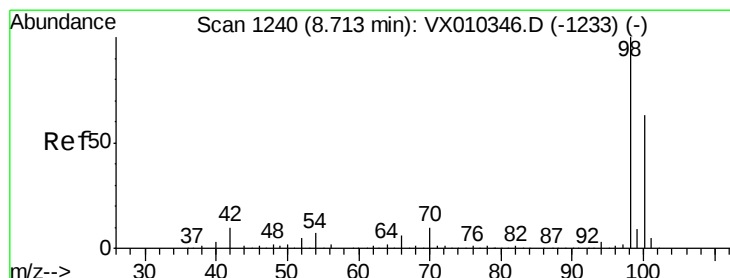
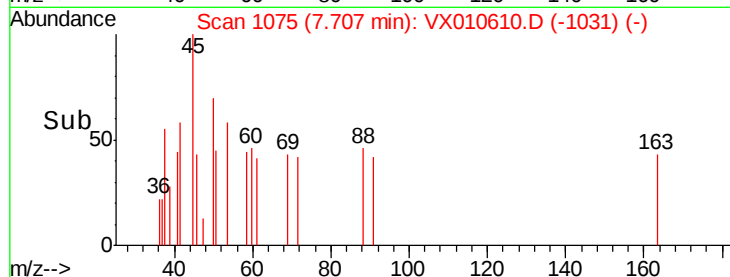
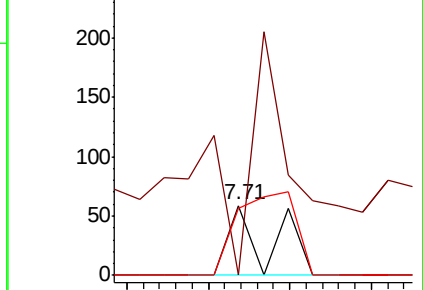
58 169.0 49.5 74.3#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.134 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010610.D

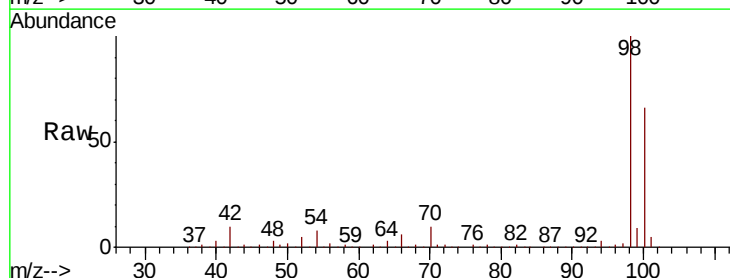
Acq: 02 Jul 2019 12:30

Tgt Ion: 98 Resp: 432272

Ion Ratio Lower Upper

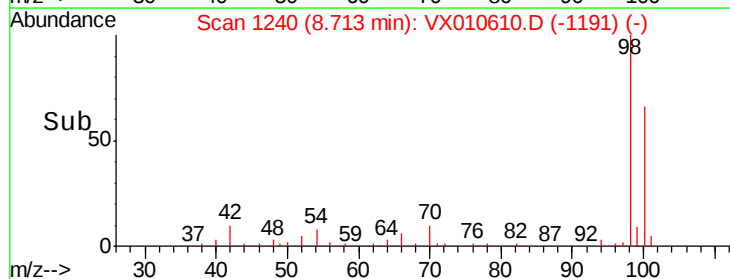
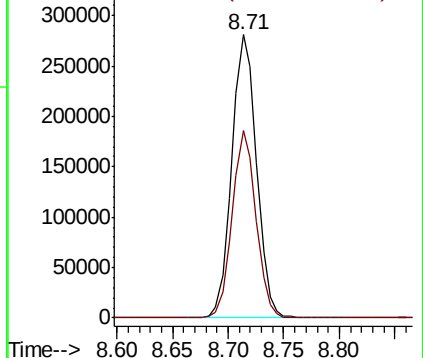
98 100

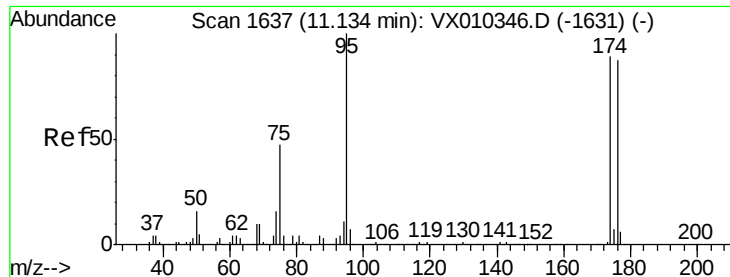
100 63.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

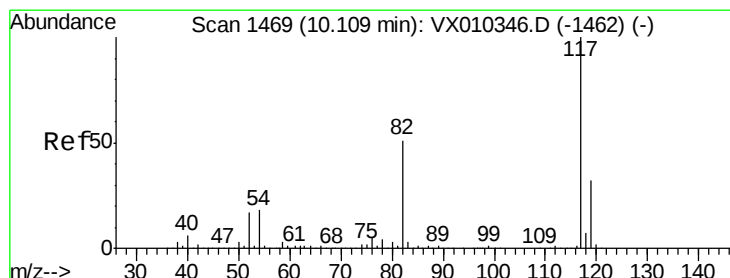
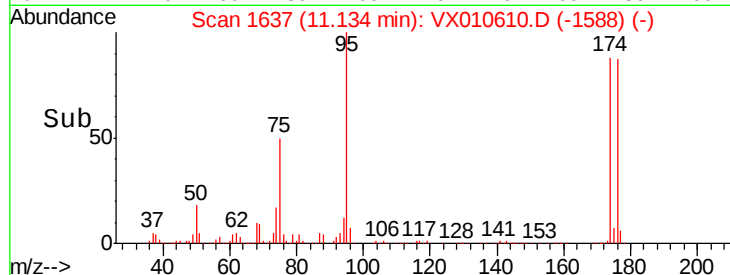
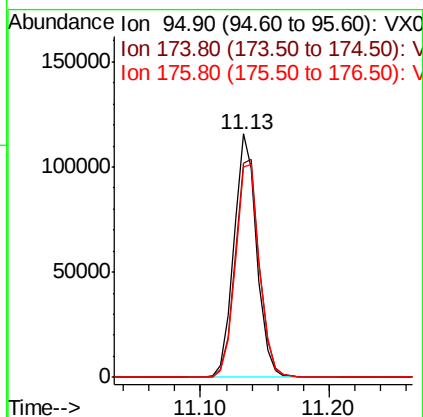
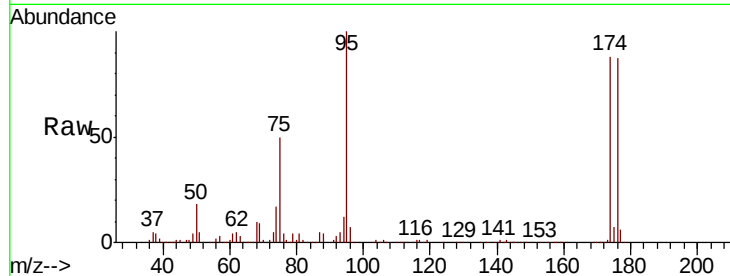




#62
4-Bromofluorobenzene
Concen: 45.952 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010610.D
Acq: 02 Jul 2019 12:30

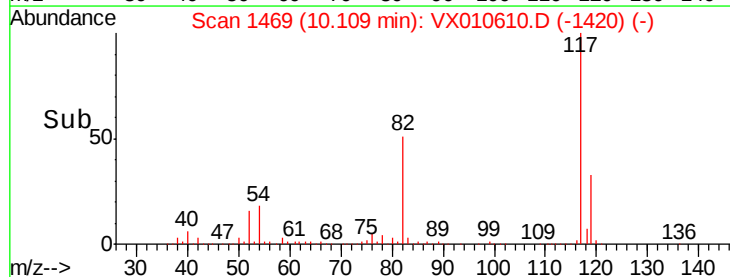
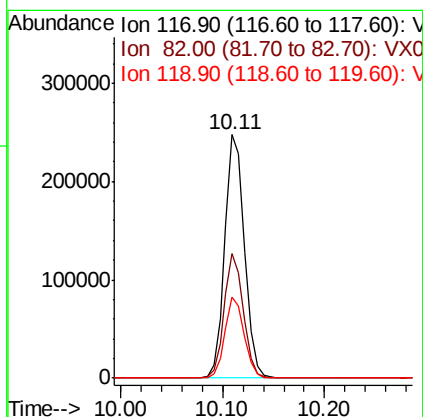
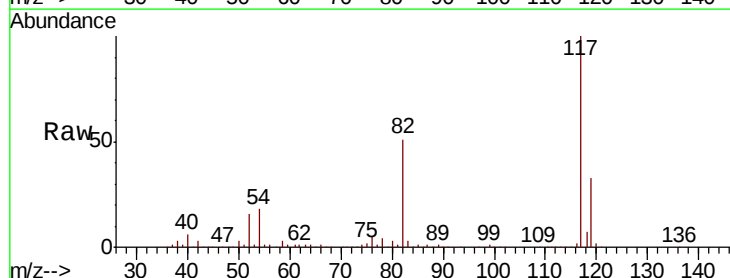
Instrument :
MSVOA_X
ClientSampleId :
SY-2R

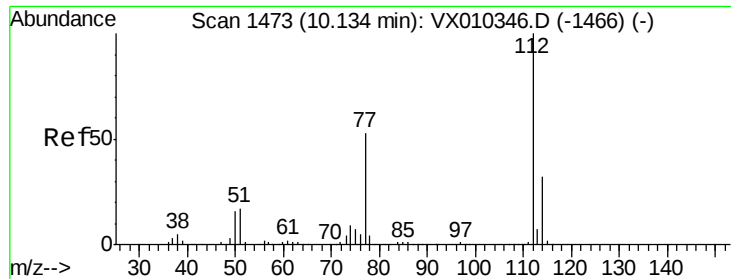
Tot Ion: 95 Resp: 143044
Ion Ratio Lower Upper
95 100
174 94.7 0.0 187.6
176 91.7 0.0 184.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010610.D
Acq: 02 Jul 2019 12:30

Tgt Ion: 117 Resp: 330767
Ion Ratio Lower Upper
117 100
82 50.9 41.2 61.8
119 33.1 25.5 38.3

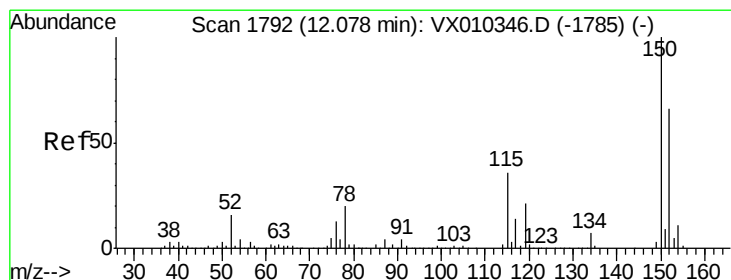
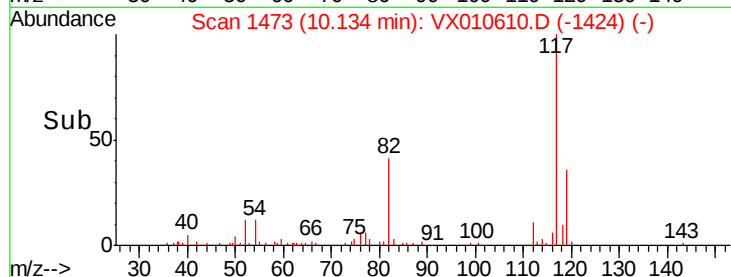
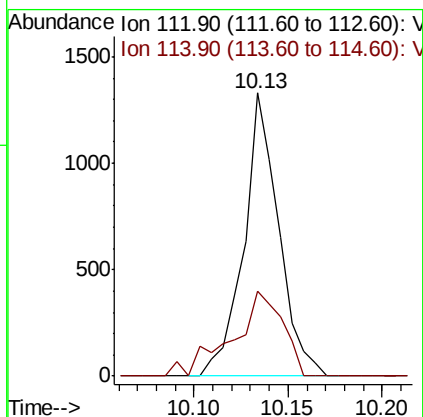
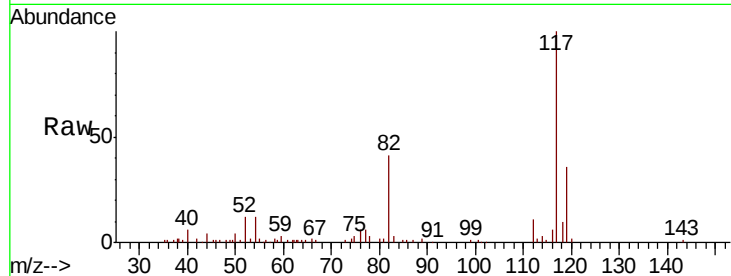




#65
Chlorobenzene
Concen: 0.253 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010610.D
Acq: 02 Jul 2019 12:30

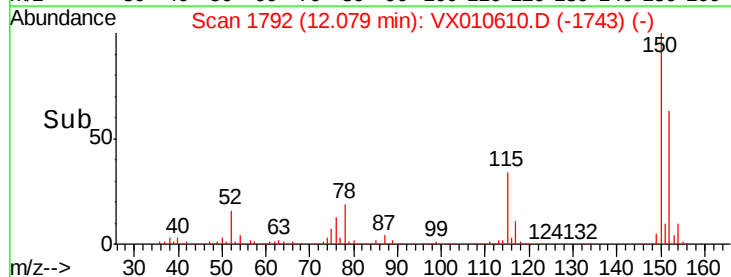
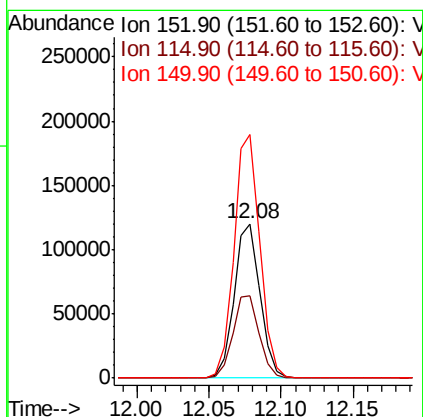
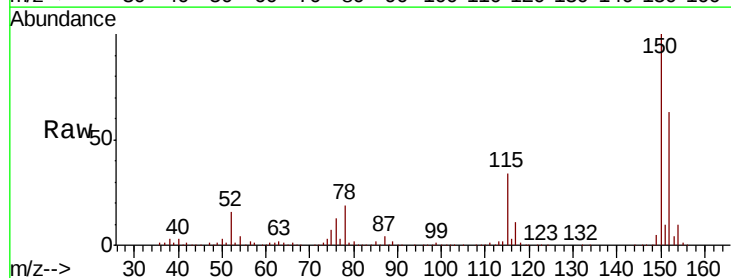
Instrument :
MSVOA_X
ClientSampled :
SY-2R

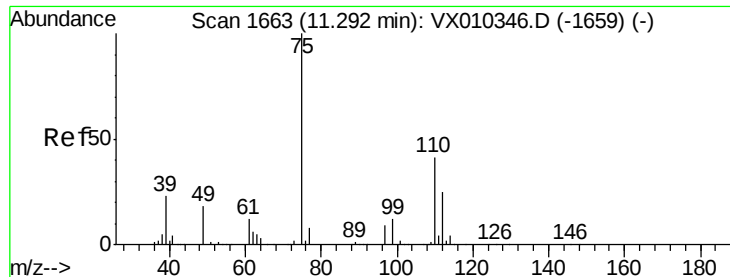
Tot Ion:112 Resp: 1702
Ion Ratio Lower Upper
112 100
114 30.2 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010610.D
Acq: 02 Jul 2019 12:30

Tgt Ion:152 Resp: 150387
Ion Ratio Lower Upper
152 100
115 55.1 38.6 115.7
150 157.6 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 25.394 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010610.D

Acq: 02 Jul 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

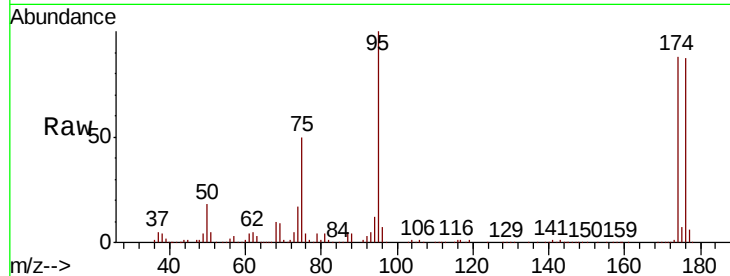
SY-2R

Tot Ion: 75 Resp: 69592

Ion Ratio Lower Upper

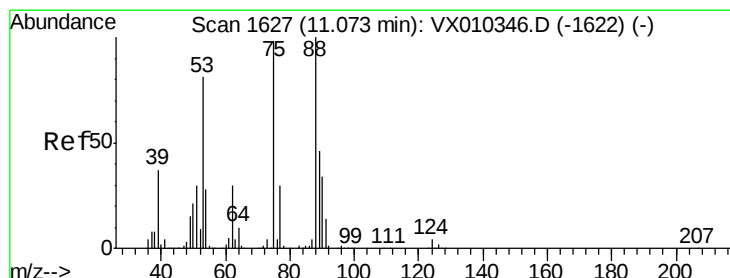
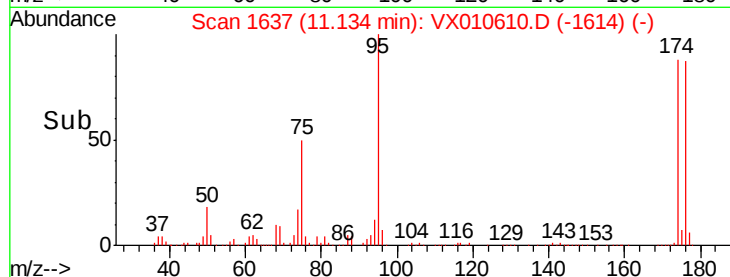
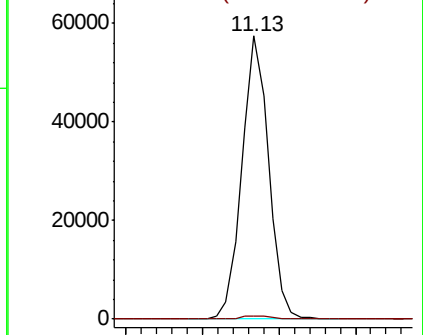
75 100

77 1.4 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 59.242 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010610.D

Acq: 02 Jul 2019 12:30

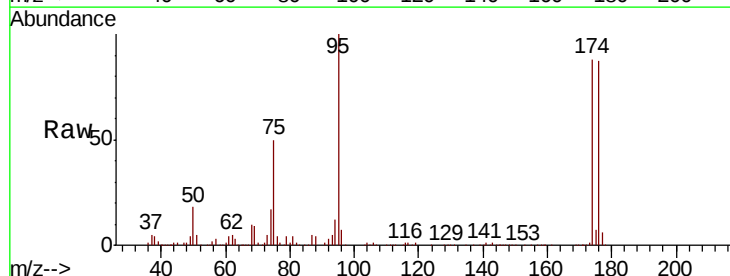
Tgt Ion: 75 Resp: 69592

Ion Ratio Lower Upper

75 100

53 0.0 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

