

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072219\
 Data File : VX011028.D
 Acq On : 22 Jul 2019 14:16
 Operator : JC/SP
 Sample : K3892-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T-1

Quant Time: Jul 23 03:43:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 04:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	231064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	360676	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	339038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	160147	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	125945	51.24	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.48%		
35) Dibromofluoromethane	5.50	113	113488	49.57	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.14%		
50) Toluene-d8	8.71	98	433721	50.51	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.02%		
62) 4-Bromofluorobenzene	11.13	95	157374	49.86	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.72%		

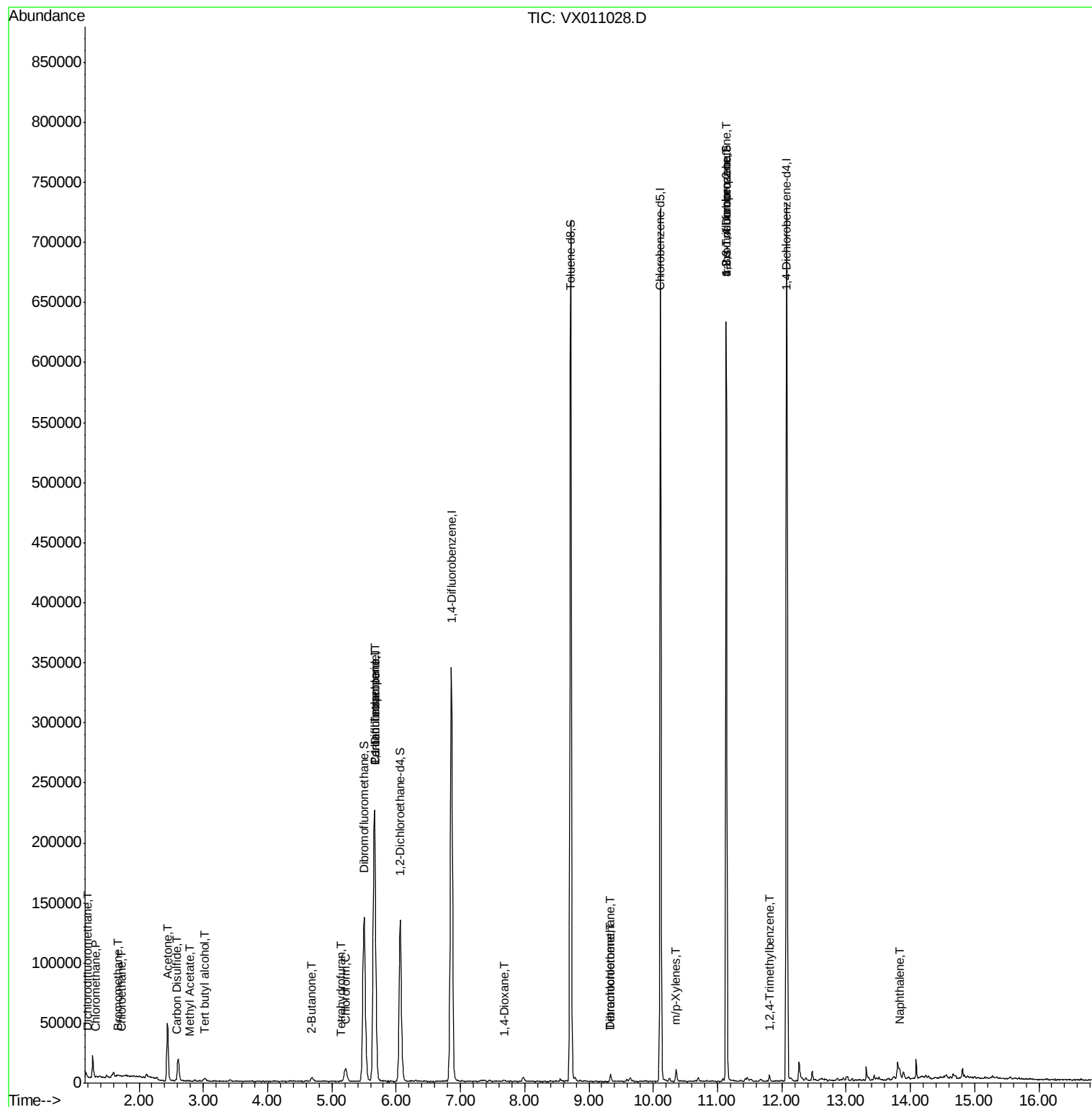
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	115	0.593	ug/l #	43
3) Chloromethane	1.33	50	569	0.268	ug/l #	72
5) Bromomethane	1.67	94	697	0.571	ug/l #	74
6) Chloroethane	1.73	64	451	0.327	ug/l #	62
11) Tert butyl alcohol	3.01	59	2246	3.923	ug/l #	73
16) Acetone	2.44	43	49770	44.829	ug/l	96
17) Carbon Disulfide	2.57	76	1213	0.230	ug/l #	77
18) Methyl Acetate	2.78	43	542	0.214	ug/l #	68
25) 2-Butanone	4.68	43	2618	1.643	ug/l	94
29) Tetrahydrofuran	5.14	42	439	0.435	ug/l #	82
30) Chloroform	5.21	83	11917	3.011	ug/l	96
36) 1,1-Dichloropropene	5.66	75	15015	5.068	ug/l #	49
38) Carbon Tetrachloride	5.66	117	20668	6.695	ug/l #	18
49) 1,4-Dioxane	7.68	88	20	0.294	ug/l #	1
60) Dibromochloromethane	9.34	129	891	2.827	ug/l #	11
64) Tetrachloroethene	9.34	164	1134	0.425	ug/l	94
68) m/p-Xylenes	10.35	106	1979	0.435	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	78386	27.124	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	78386	67.230	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.80	105	2311	0.254	ug/l	96
95) Naphthalene	13.83	128	3050	0.297	ug/l #	94

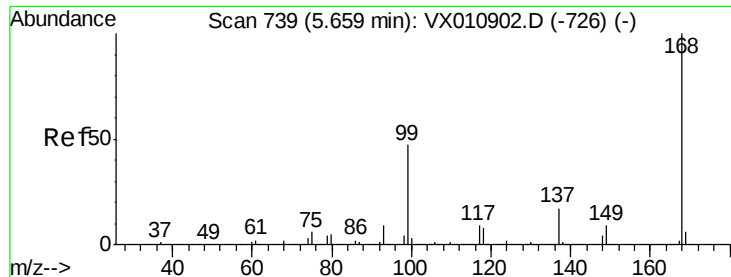
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072219\
Data File : VX011028.D
Acq On : 22 Jul 2019 14:16
Operator : JC/SP
Sample : K3892-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
T-1

Quant Time: Jul 23 03:43:44 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Sat Jul 20 04:05:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX011028.D

Acq: 22 Jul 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

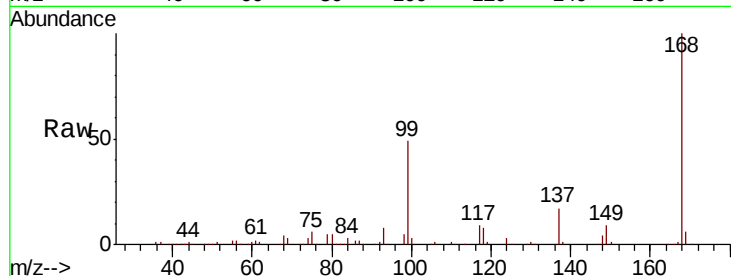
T-1

Tot Ion:168 Resp: 231064

Ion Ratio Lower Upper

168 100

99 49.1 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

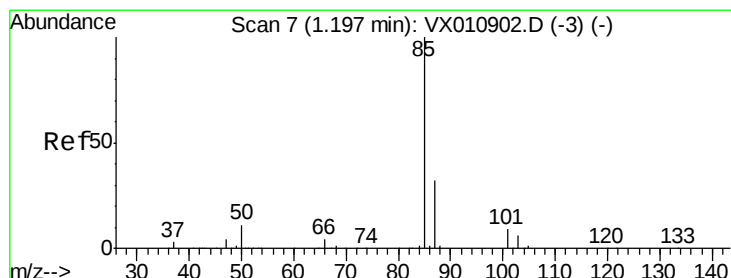
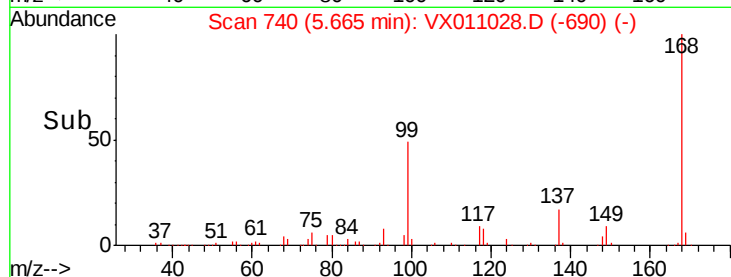
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.593 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX011028.D

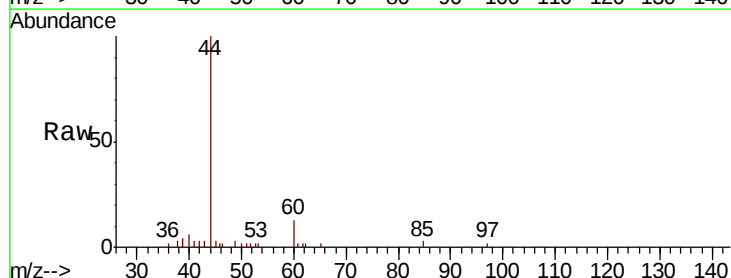
Acq: 22 Jul 2019 14:16

Tgt Ion: 85 Resp: 115

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

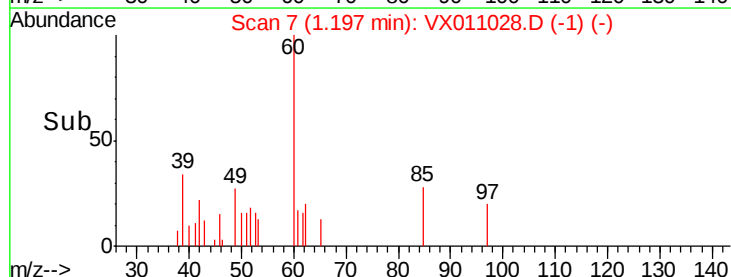
1.20

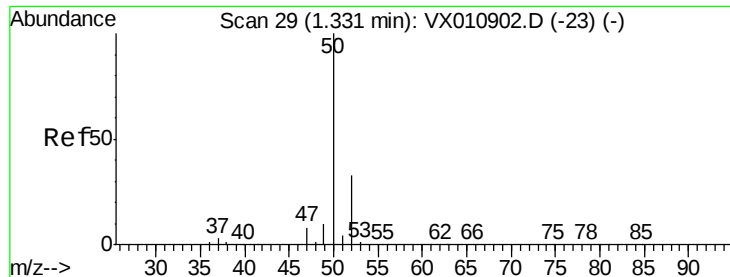
100

50

0

Time--> 1.18 1.20 1.22 1.24





#3

Chloromethane

Concen: 0.268 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX011028.D

Acq: 22 Jul 2019 14:16

Instrument :

MSVOA_X

ClientSampled :

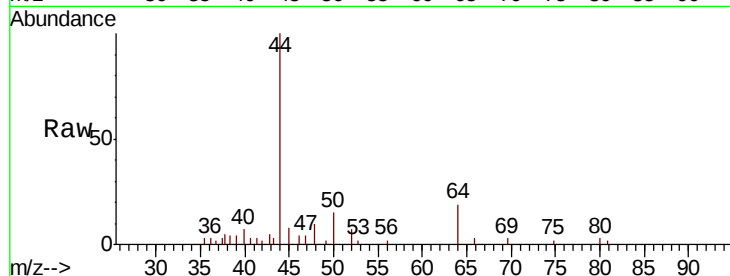
T-1

Tot Ion: 50 Resp: 569

Ion Ratio Lower Upper

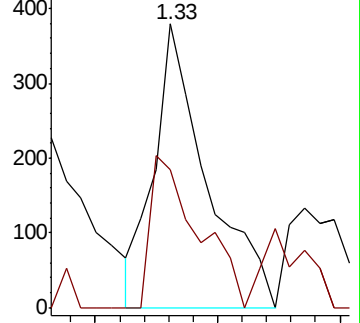
50 100

52 48.8 26.4 39.6#

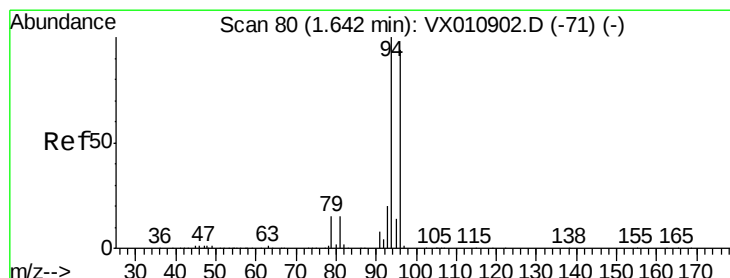
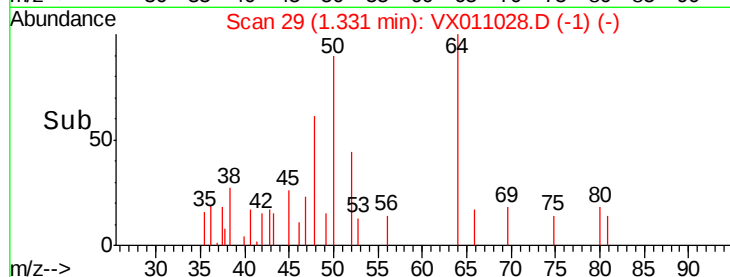


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#5

Bromomethane

Concen: 0.571 ug/l

RT: 1.67 min Scan# 84

Delta R.T. 0.02 min

Lab File: VX011028.D

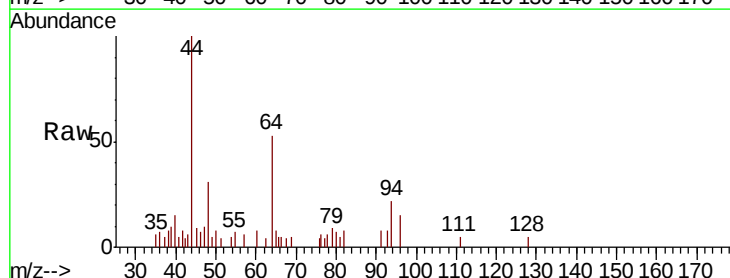
Acq: 22 Jul 2019 14:16

Tgt Ion: 94 Resp: 697

Ion Ratio Lower Upper

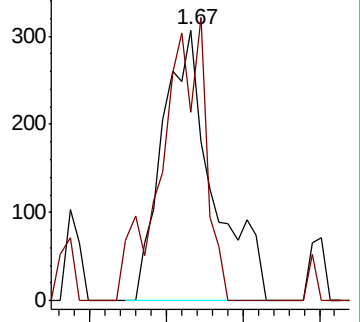
94 100

96 69.7 75.6 113.4#

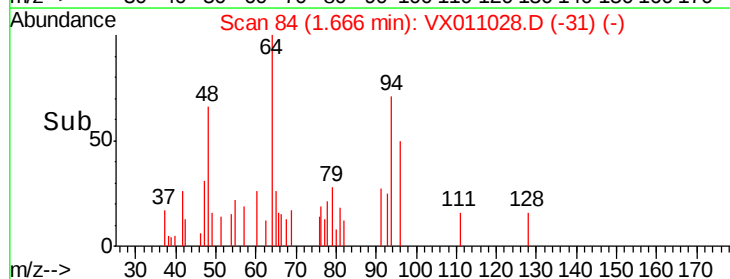


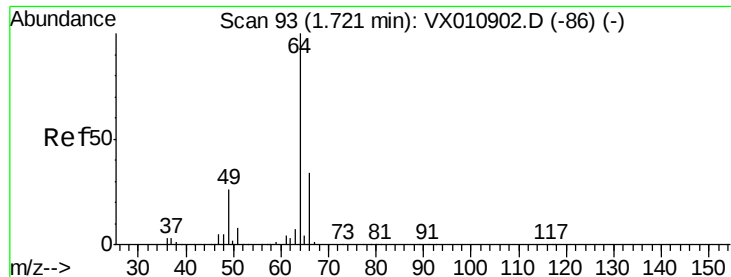
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->





#6

Chloroethane

Concen: 0.327 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX011028.D

Acq: 22 Jul 2019 14:16

Instrument :

MSVOA_X

ClientSampled :

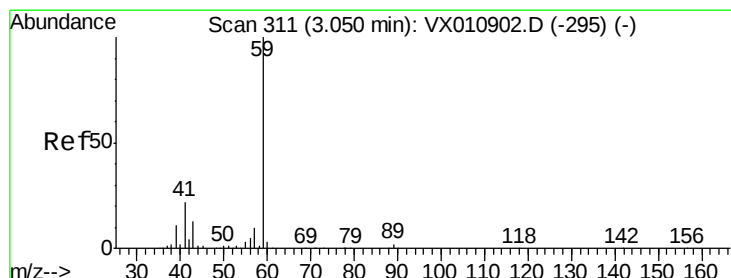
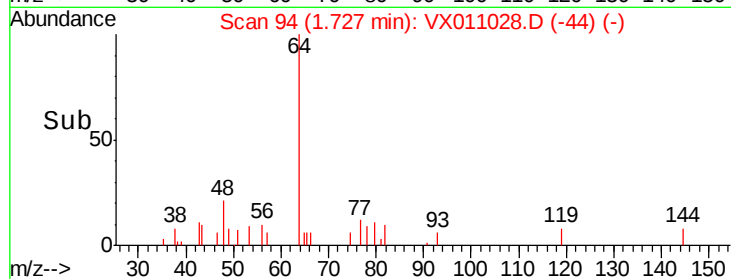
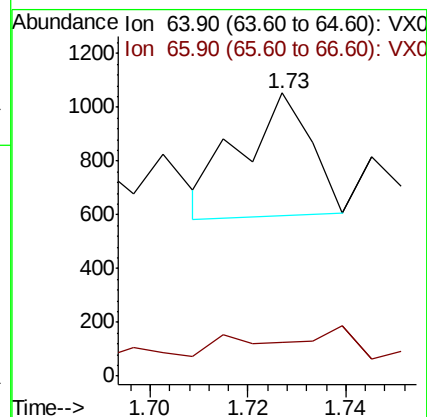
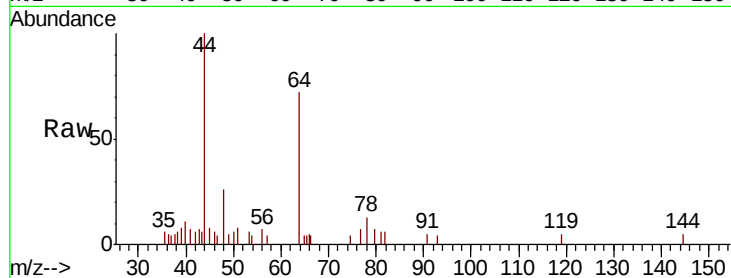
T-1

Tot Ion: 64 Resp: 451

Ion Ratio Lower Upper

64 100

66 12.2 27.0 40.6#



#11

Tert butyl alcohol

Concen: 3.923 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX011028.D

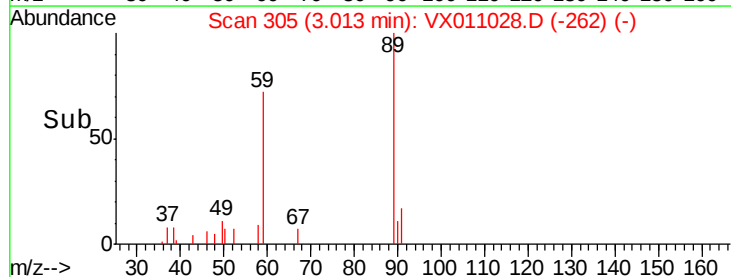
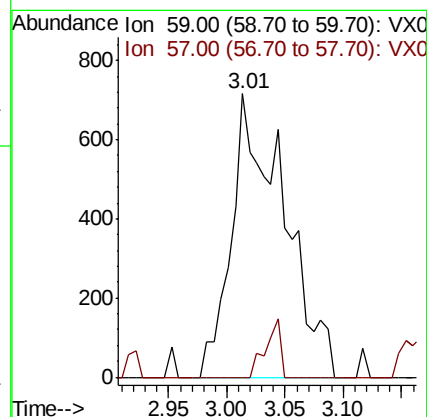
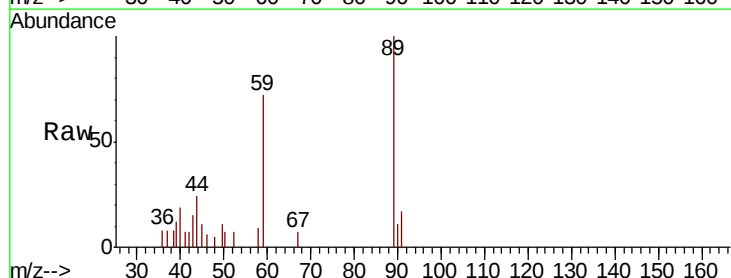
Acq: 22 Jul 2019 14:16

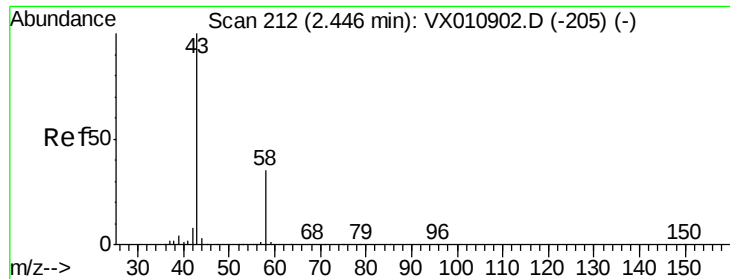
Tgt Ion: 59 Resp: 2246

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#





#16

Acetone

Concen: 44.829 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX011028.D

Acq: 22 Jul 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

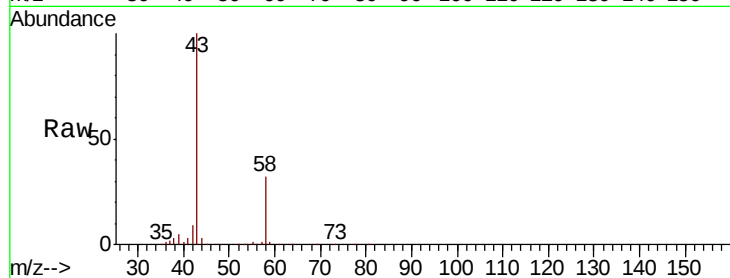
T-1

Tot Ion: 43 Resp: 49770

Ion Ratio Lower Upper

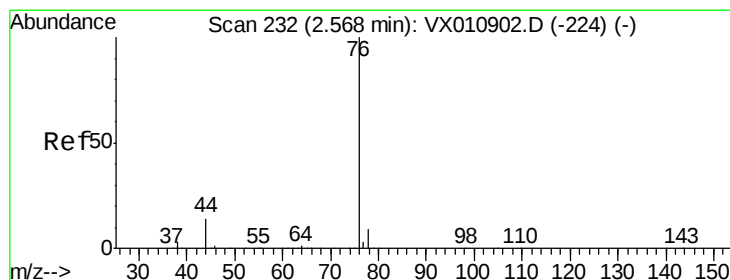
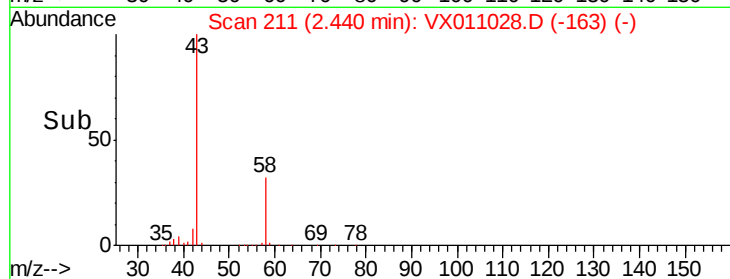
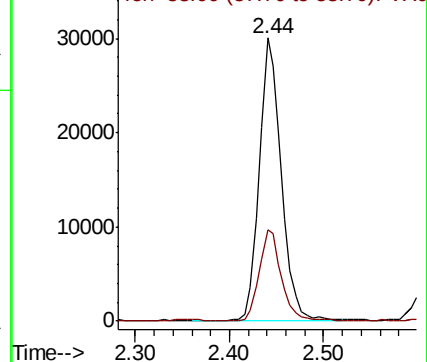
43 100

58 32.3 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.230 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX011028.D

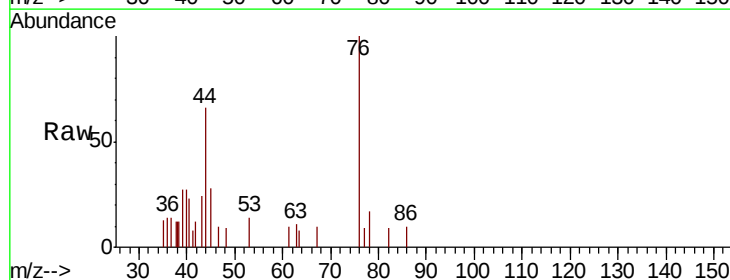
Acq: 22 Jul 2019 14:16

Tgt Ion: 76 Resp: 1213

Ion Ratio Lower Upper

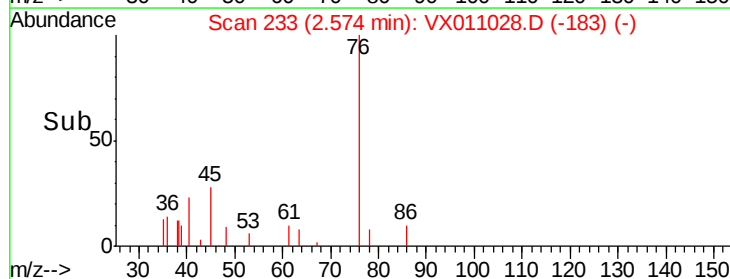
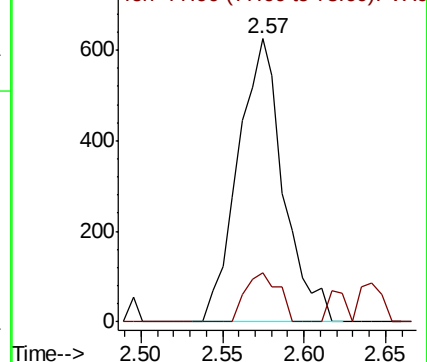
76 100

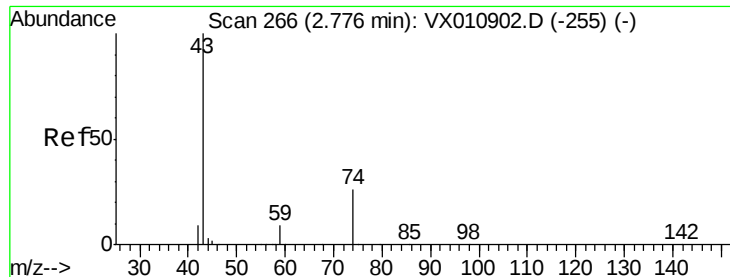
78 17.4 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#18

Methyl Acetate

Concen: 0.214 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX011028.D

Acq: 22 Jul 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

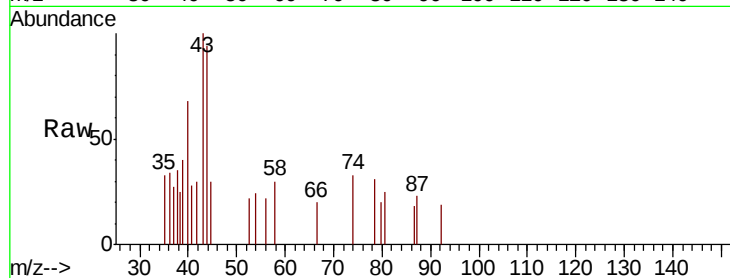
T-1

Tot Ion: 43 Resp: 542

Ion Ratio Lower Upper

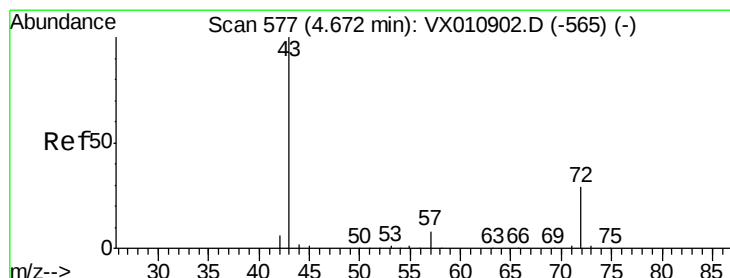
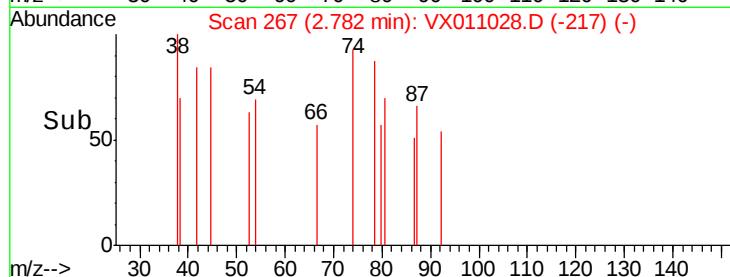
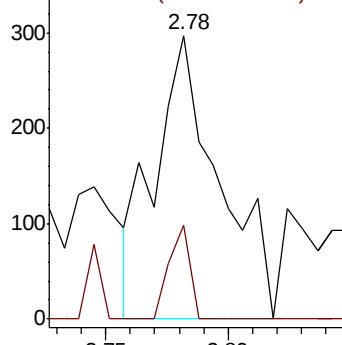
43 100

74 10.5 21.5 32.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#25

2-Butanone

Concen: 1.643 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX011028.D

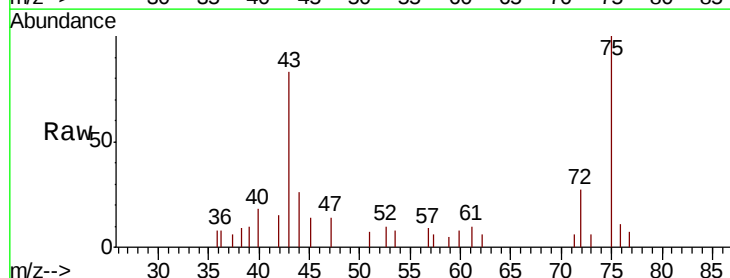
Acq: 22 Jul 2019 14:16

Tgt Ion: 43 Resp: 2618

Ion Ratio Lower Upper

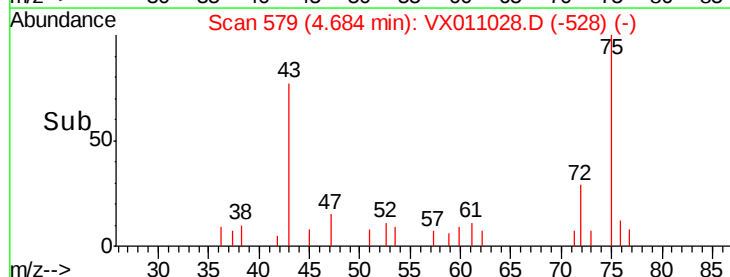
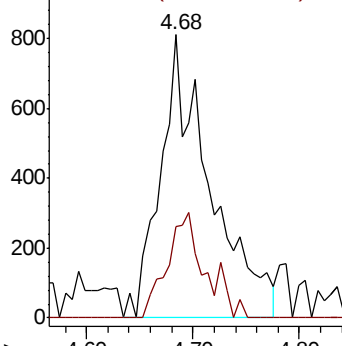
43 100

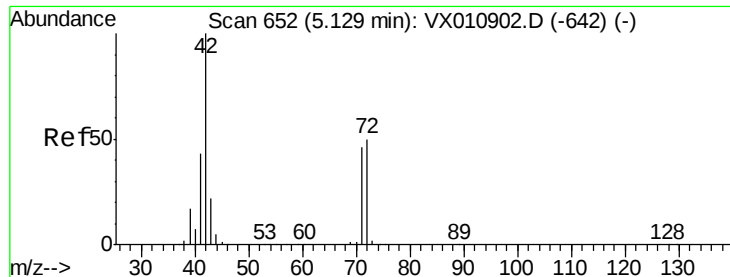
72 32.2 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

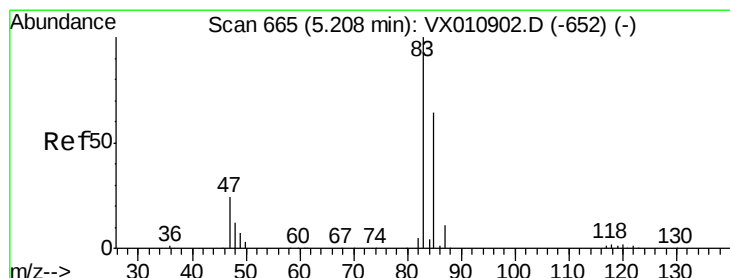
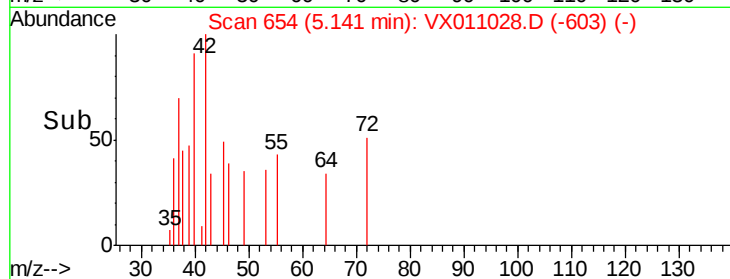
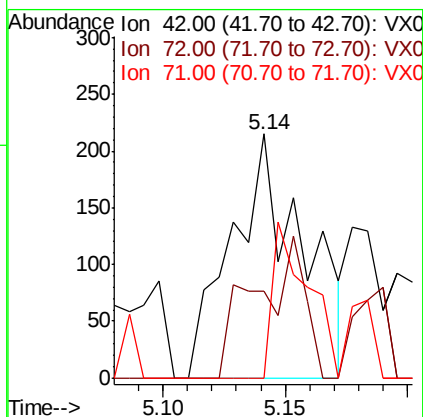
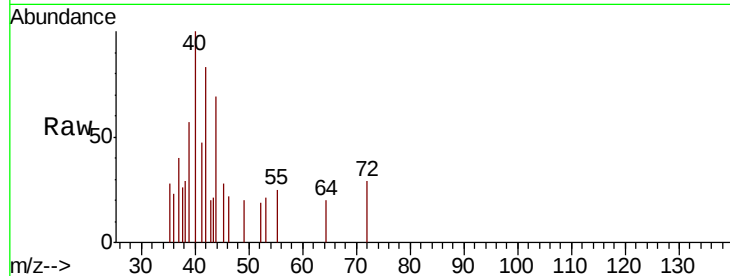




#29
Tetrahydrofuran
Concen: 0.435 ug/l
RT: 5.14 min Scan# 654
Delta R.T. 0.01 min
Lab File: VX011028.D
Acq: 22 Jul 2019 14:16

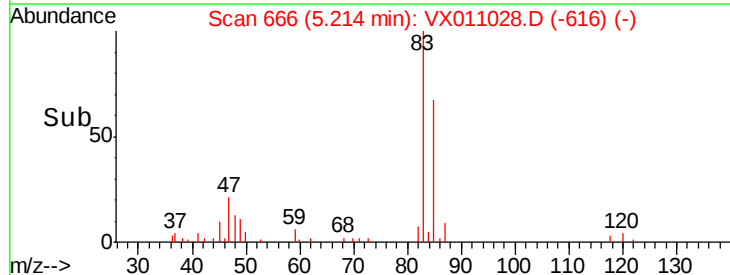
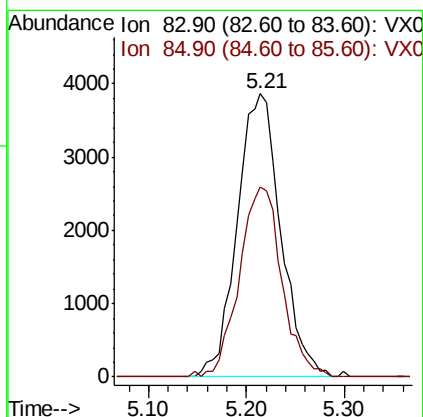
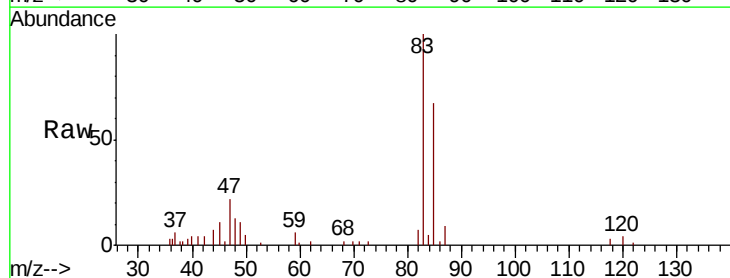
Instrument :
MSVOA_X
ClientSampled :
T-1

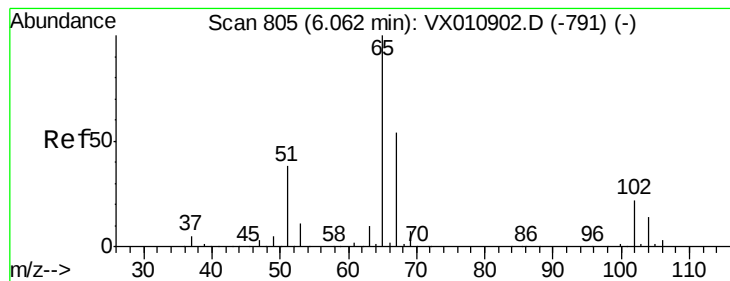
Tot Ion: 42 Resp: 439
Ion Ratio Lower Upper
42 100
72 40.1 39.8 59.8
71 31.7 37.0 55.4#



#30
Chloroform
Concen: 3.011 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX011028.D
Acq: 22 Jul 2019 14:16

Tgt Ion: 83 Resp: 11917
Ion Ratio Lower Upper
83 100
85 67.1 51.4 77.0





#33

1,2-Dichloroethane-d4

Concen: 51.235 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX011028.D

Acq: 22 Jul 2019 14:16

Instrument :

MSVOA_X

ClientSampled :

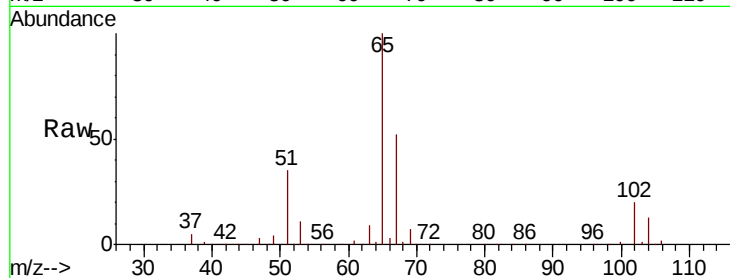
T-1

Tot Ion: 65 Resp: 125945

Ion Ratio Lower Upper

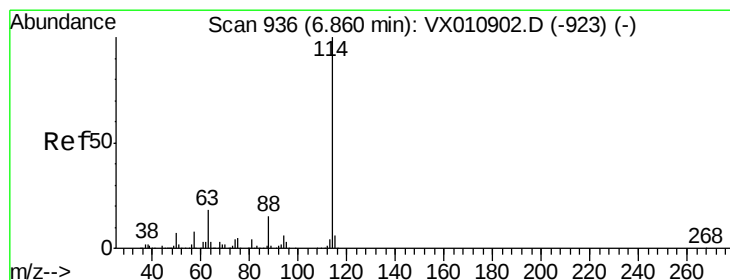
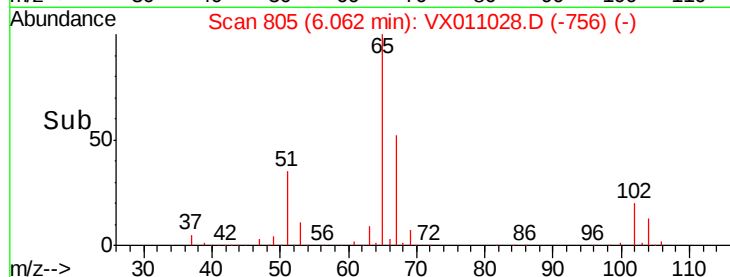
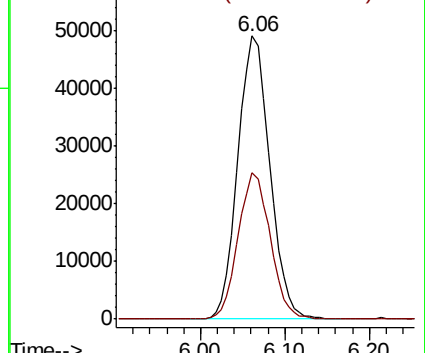
65 100

67 52.1 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX011028.D

Acq: 22 Jul 2019 14:16

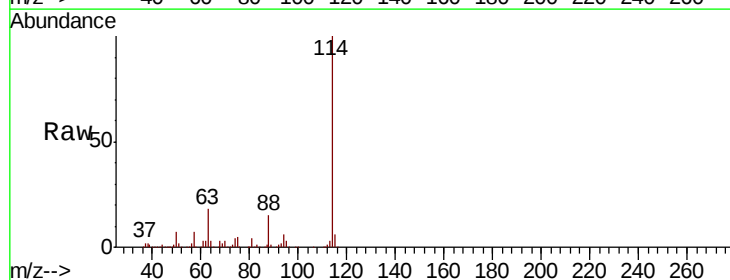
Tgt Ion: 114 Resp: 360676

Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.6

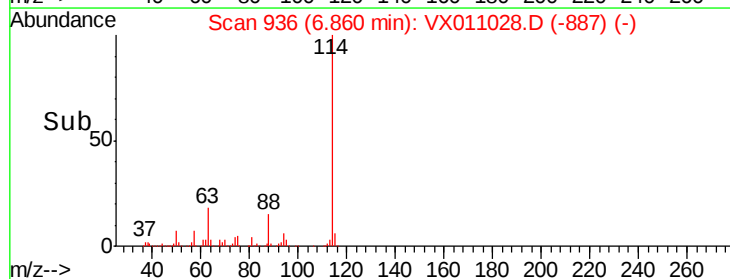
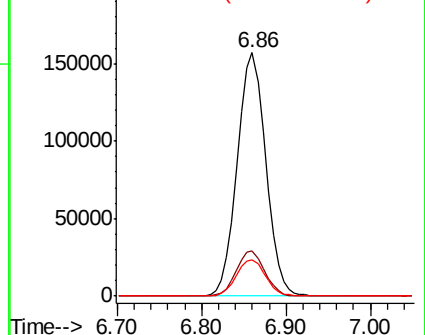
88 14.9 0.0 29.8

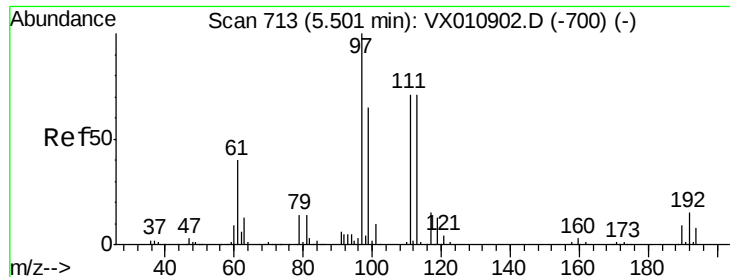


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

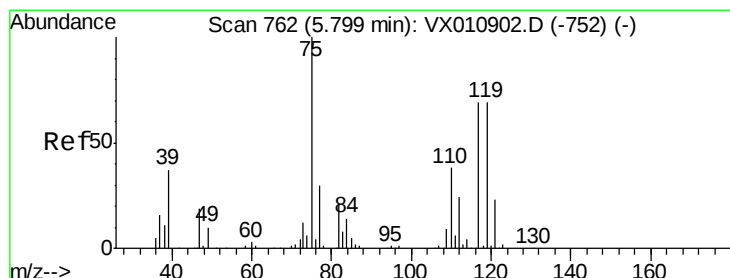
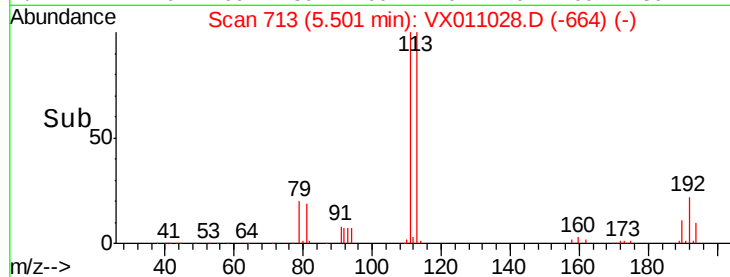
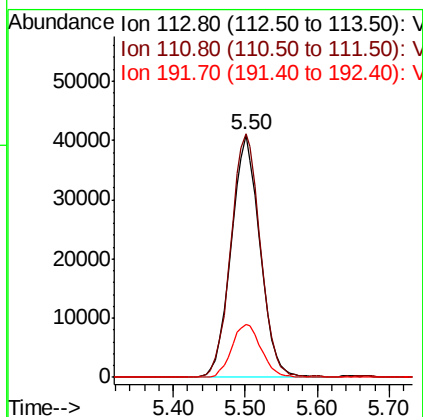
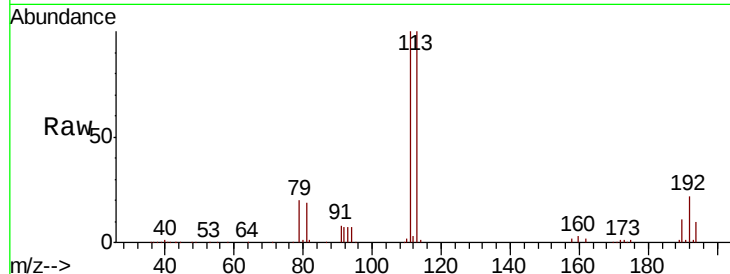




#35
 Dibromofluoromethane
 Concen: 49.574 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX011028.D
 Acq: 22 Jul 2019 14:16

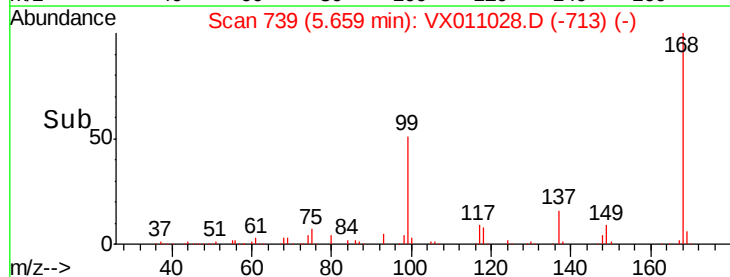
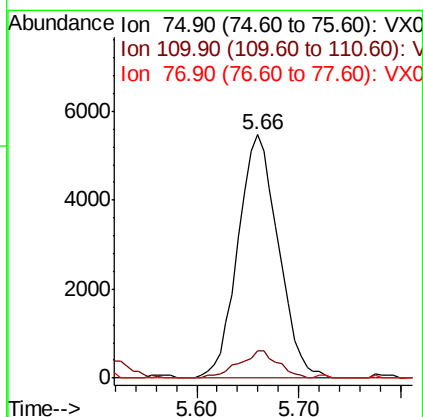
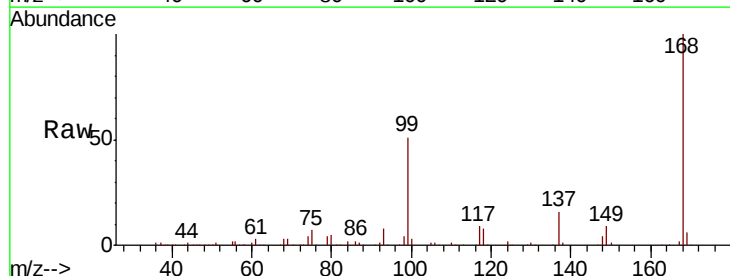
Instrument :
 MSVOA_X
 ClientSampled :
 T-1

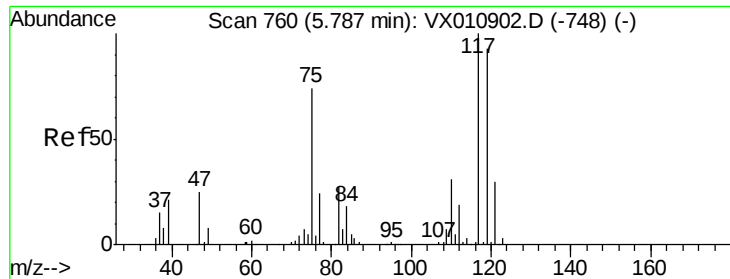
Tot Ion:113 Resp: 113488
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.3 123.5
 192 22.3 17.4 26.2



#36
 1,1-Dichloropropene
 Concen: 5.068 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX011028.D
 Acq: 22 Jul 2019 14:16

Tgt Ion: 75 Resp: 15015
 Ion Ratio Lower Upper
 75 100
 110 10.9 19.9 59.7#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.695 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX011028.D

Acq: 22 Jul 2019 14:16

Instrument :

MSVOA_X

ClientSampled :

T-1

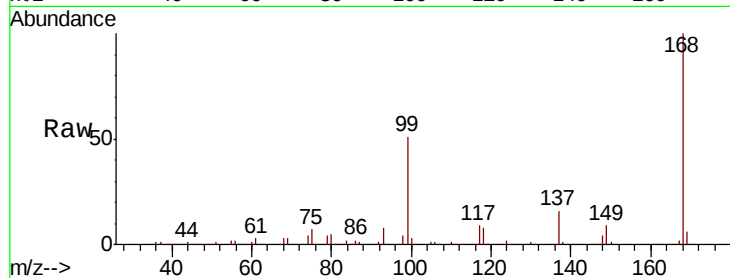
Tot Ion:117 Resp: 20668

Ion Ratio Lower Upper

117 100

119 5.3 74.2 111.2#

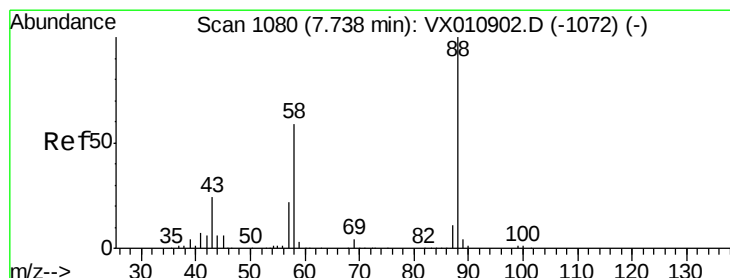
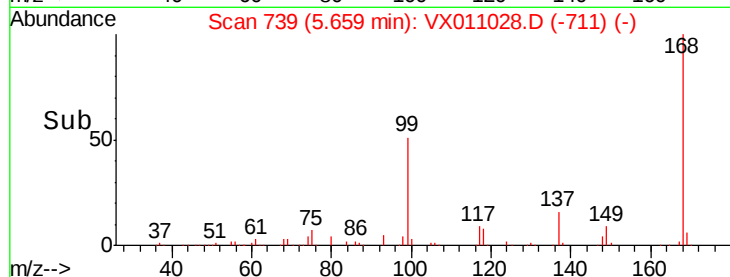
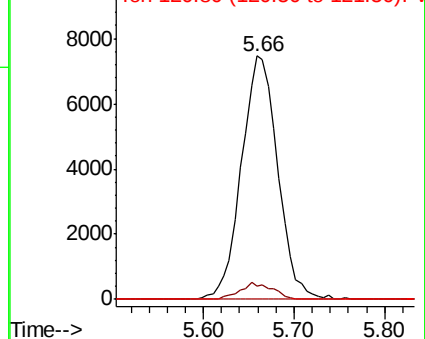
121 0.0 24.2 36.2#



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



#49

1,4-Dioxane

Concen: 0.294 ug/l

RT: 7.68 min Scan# 1071

Delta R.T. -0.05 min

Lab File: VX011028.D

Acq: 22 Jul 2019 14:16

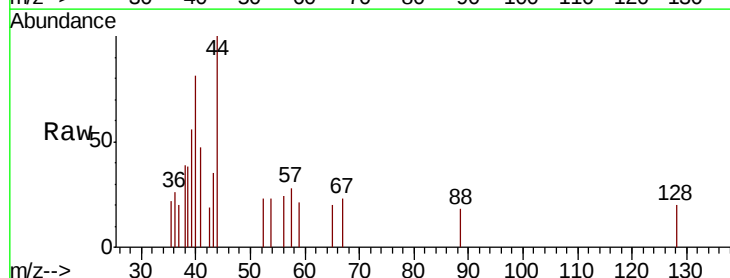
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 22.9 34.3#

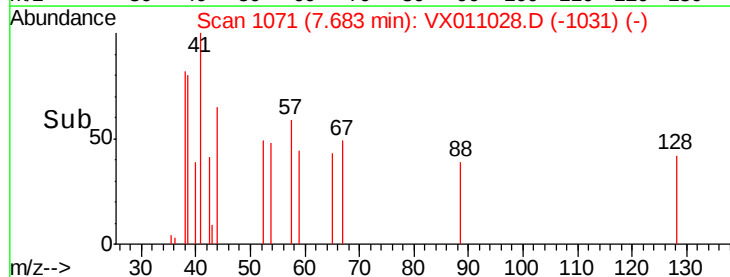
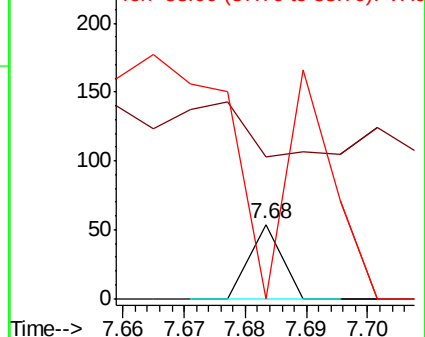
58 1540.0 49.8 74.8#

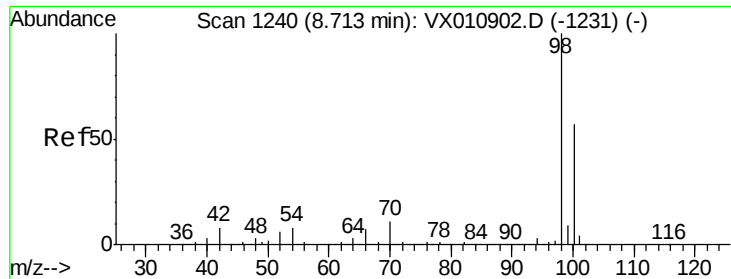


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

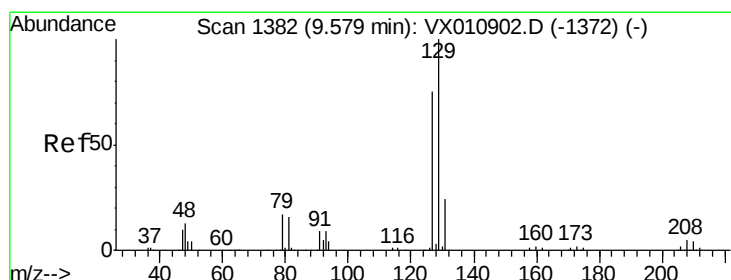
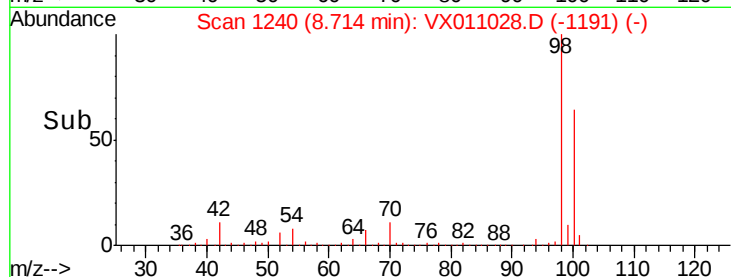
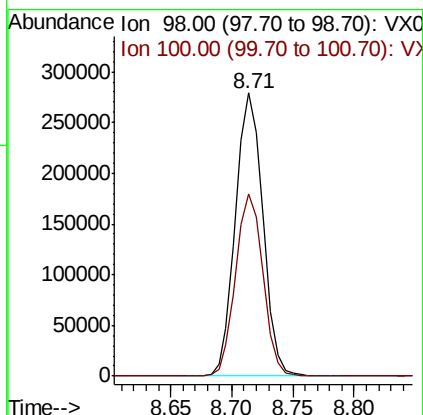
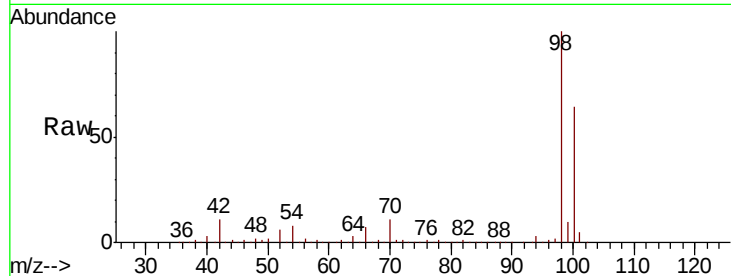




#50
Toluene-d8
Concen: 50.513 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011028.D
Acq: 22 Jul 2019 14:16

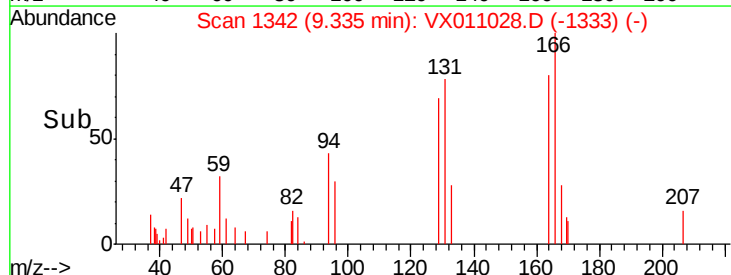
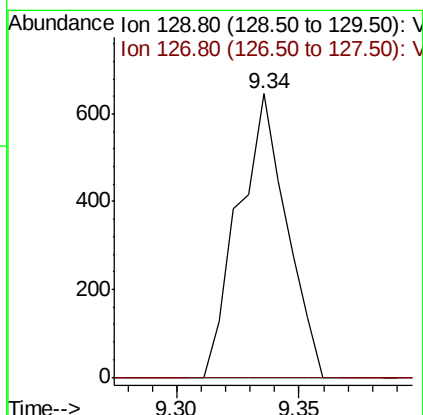
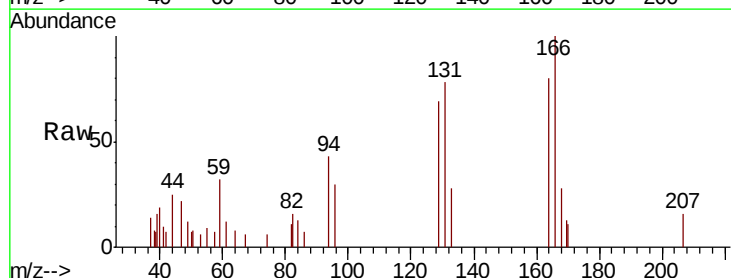
Instrument :
MSVOA_X
ClientSampled :
T-1

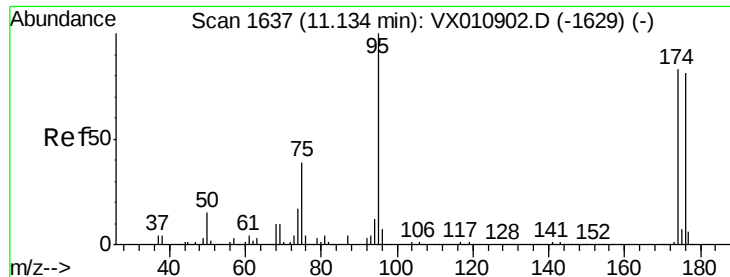
Tot Ion: 98 Resp: 433721
Ion Ratio Lower Upper
98 100
100 64.1 50.6 75.8



#60
Dibromochloromethane
Concen: 2.827 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX011028.D
Acq: 22 Jul 2019 14:16

Tgt Ion:129 Resp: 891
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#





#62

4-Bromofluorobenzene

Concen: 49.864 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011028.D

Acq: 22 Jul 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

T-1

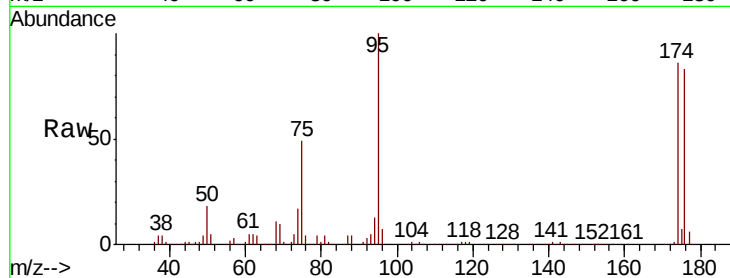
Tot Ion: 95 Resp: 157374

Ion Ratio Lower Upper

95 100

174 90.5 0.0 180.6

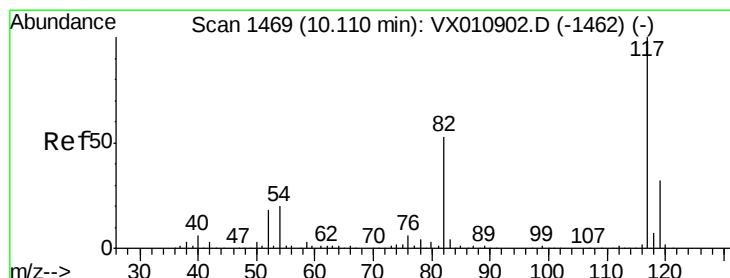
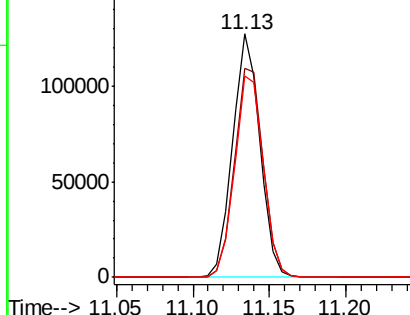
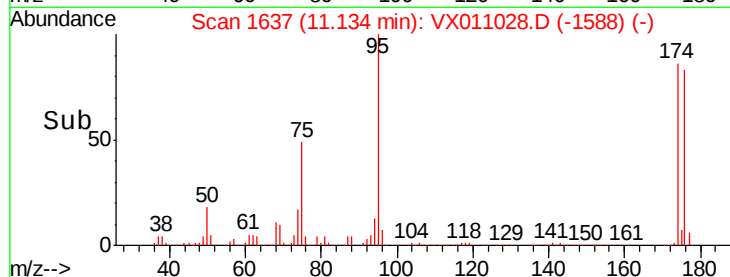
176 87.2 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX011028.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX011028.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX011028.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011028.D

Acq: 22 Jul 2019 14:16

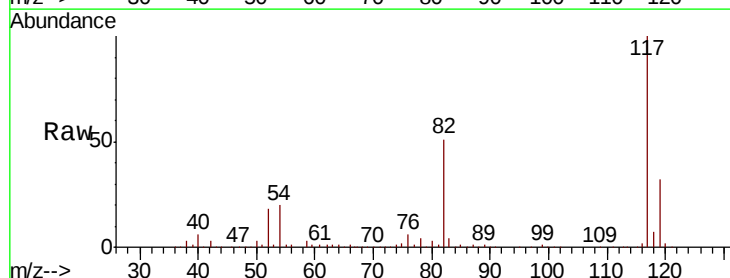
Tgt Ion: 117 Resp: 339038

Ion Ratio Lower Upper

117 100

82 51.4 42.6 63.8

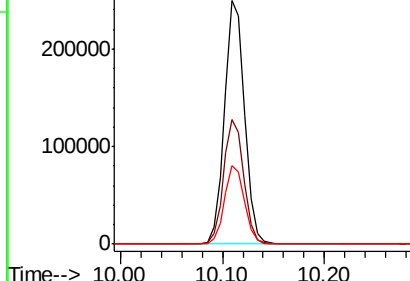
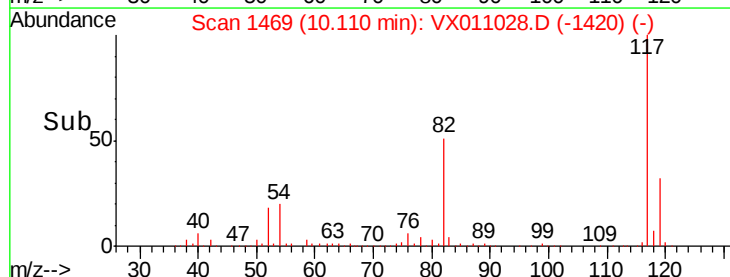
119 32.4 25.9 38.9

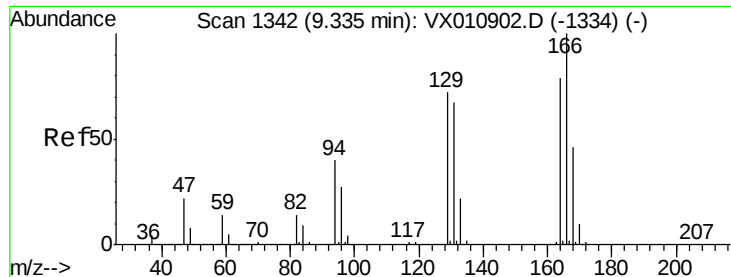


Abundance Ion 116.90 (116.60 to 117.60): VX011028.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX011028.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX011028.D (-1420) (-)

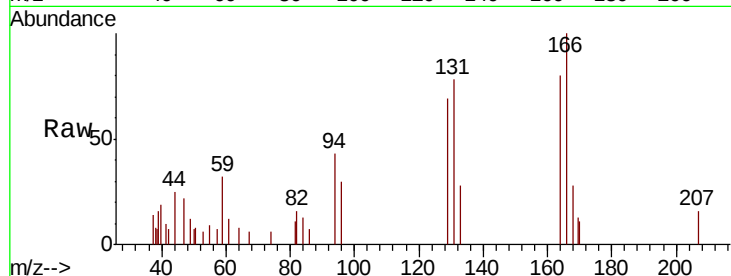




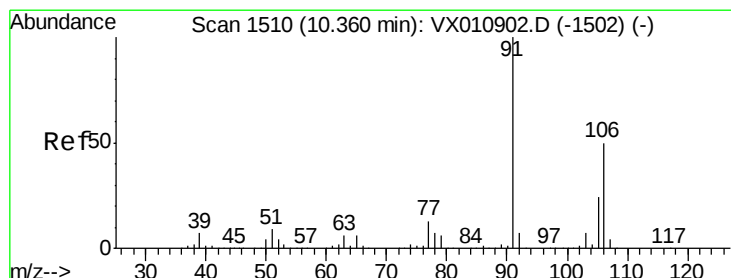
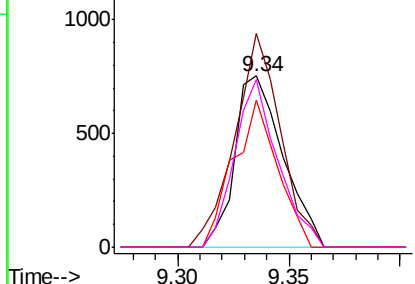
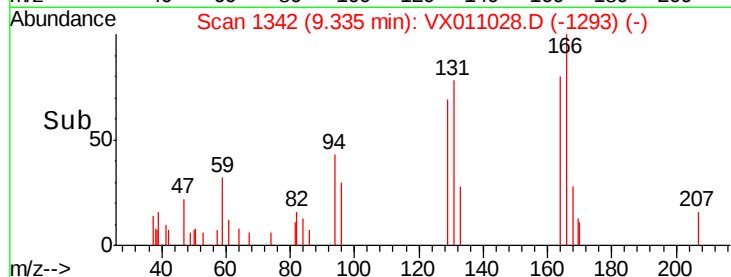
#64
Tetrachloroethene
Concen: 0.425 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011028.D
Acq: 22 Jul 2019 14:16

Instrument :
MSVOA_X
ClientSampleId :
T-1

Tot Ion:164 Resp: 1134
Ion Ratio Lower Upper
164 100
166 124.6 100.8 151.2
129 85.8 72.6 109.0
131 97.6 67.7 101.5

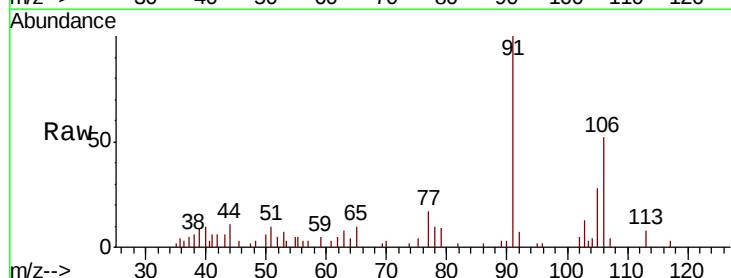


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

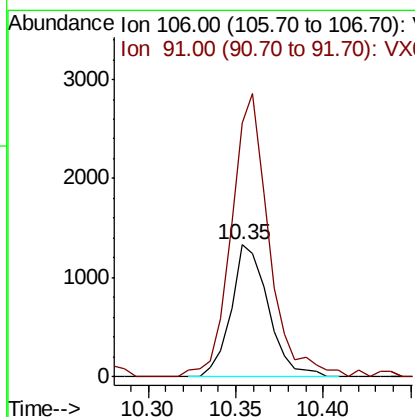
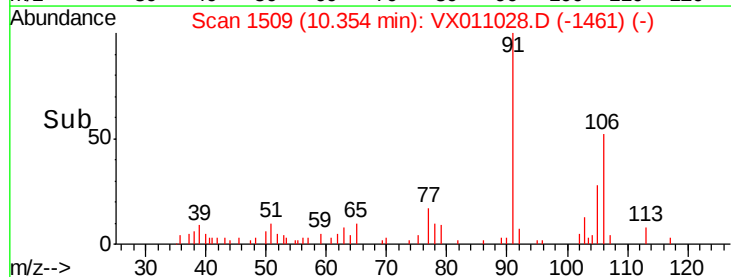


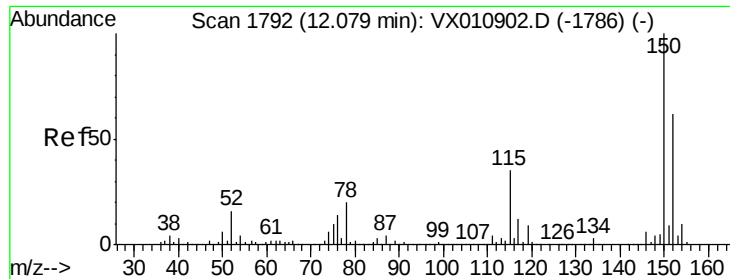
#68
m/p-Xylenes
Concen: 0.435 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011028.D
Acq: 22 Jul 2019 14:16

Tgt Ion:106 Resp: 1979
Ion Ratio Lower Upper
106 100
91 215.9 160.1 240.1



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



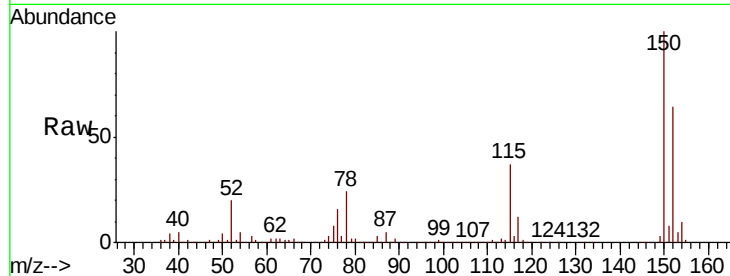


#72

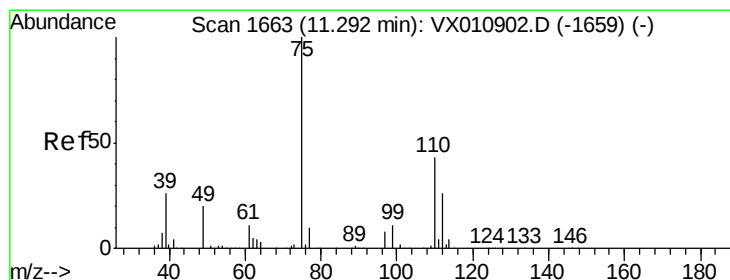
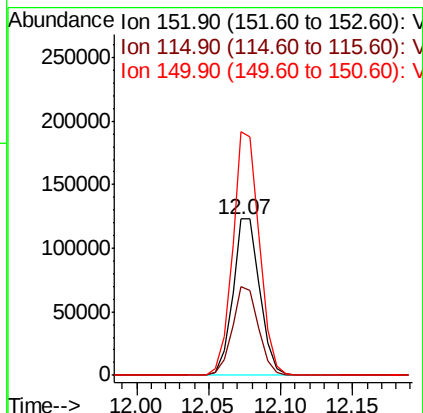
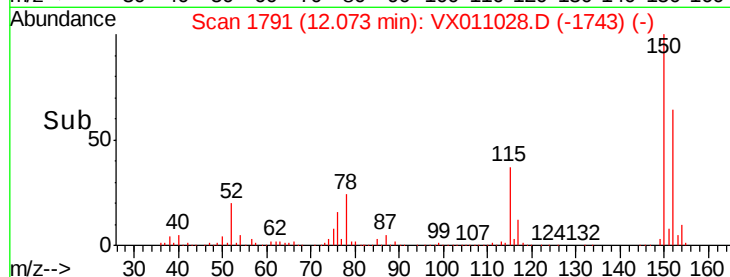
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX011028.D
Acq: 22 Jul 2019 14:16

Instrument :
MSVOA_X
ClientSampled :
T-1

Tot Ion:152 Resp: 160147
Ion Ratio Lower Upper
152 100
115 55.5 39.7 119.1
150 154.3 0.0 345.6



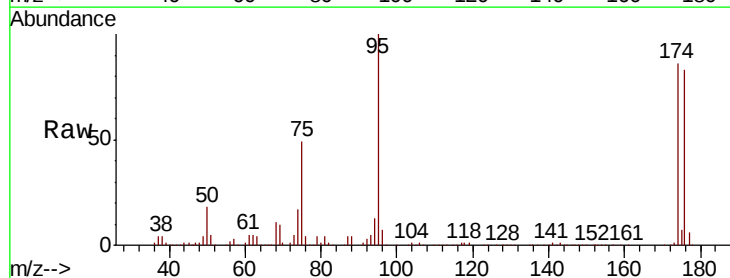
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



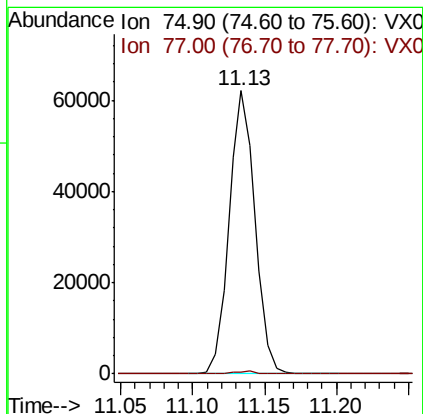
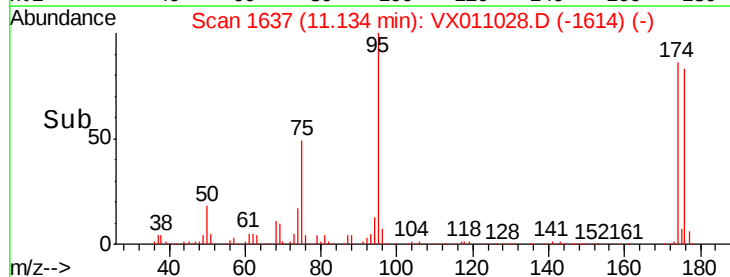
#76

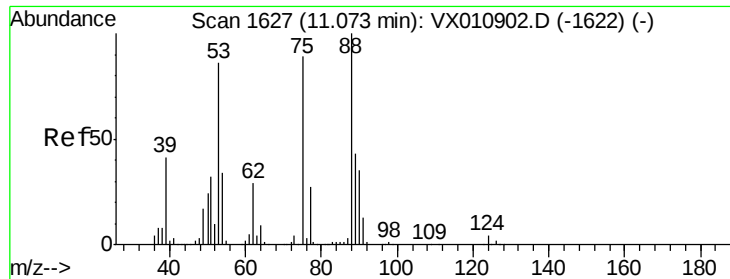
1,2,3-Trichloropropane
Concen: 27.124 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX011028.D
Acq: 22 Jul 2019 14:16

Tgt Ion: 75 Resp: 78386
Ion Ratio Lower Upper
75 100
77 1.1 21.3 64.0#



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: 67.230 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011028.D

Acq: 22 Jul 2019 14:16

Instrument :

MSVOA_X

ClientSampled :

T-1

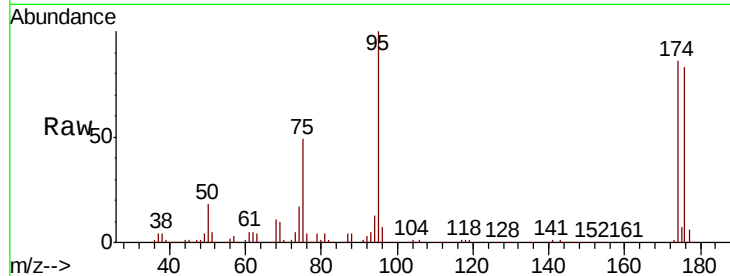
Tot Ion: 75 Resp: 78386

Ion Ratio Lower Upper

75 100

53 0.0 76.7 115.1#

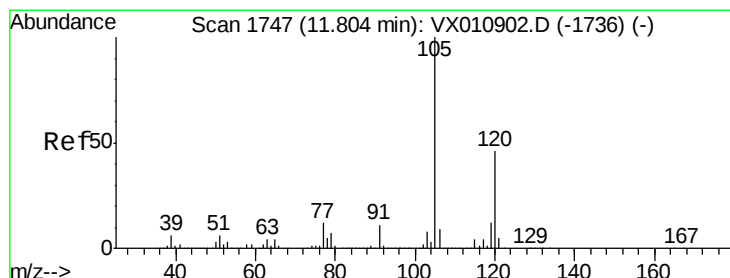
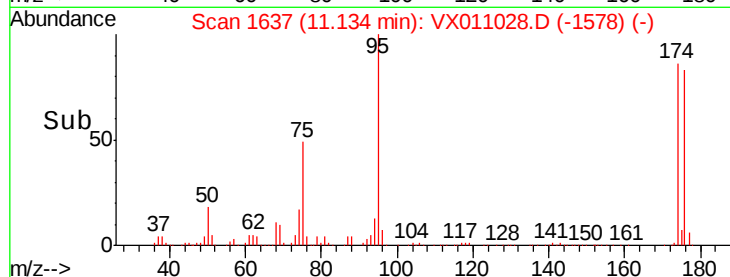
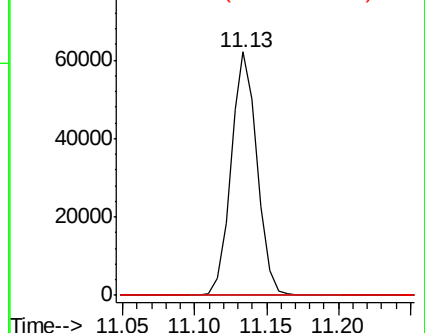
89 0.0 38.5 57.7#



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: 0.254 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011028.D

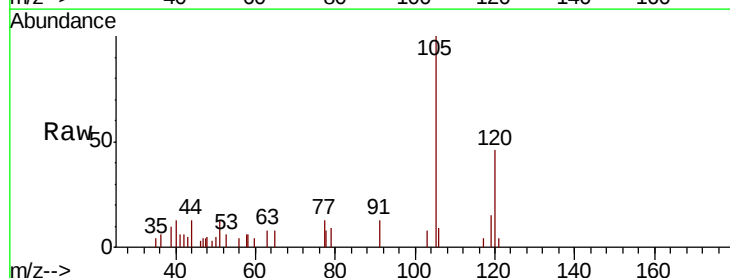
Acq: 22 Jul 2019 14:16

Tgt Ion:105 Resp: 2311

Ion Ratio Lower Upper

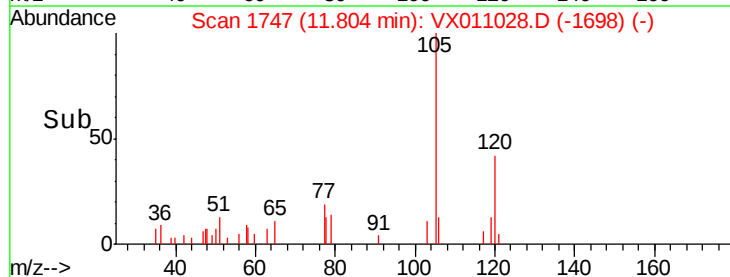
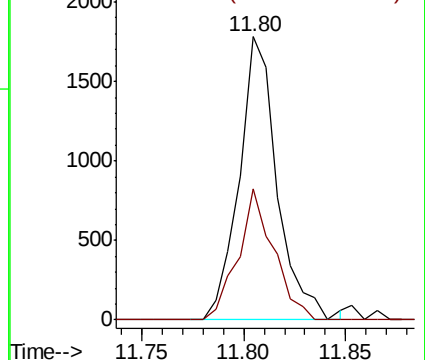
105 100

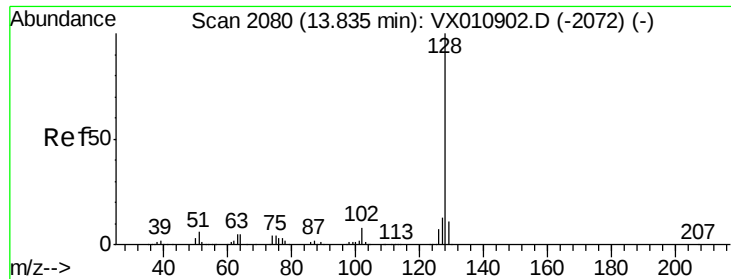
120 43.2 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95
Naphthalene
Concen: 0.297 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX011028.D
Acq: 22 Jul 2019 14:16

Instrument :
MSVOA_X
ClientSampleId :
T-1

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.7	10.4	15.6#
129	13.0	8.9	13.3

