

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081219\
 Data File : VX011490.D
 Acq On : 12 Aug 2019 17:49
 Operator : JC/SP
 Sample : K4278-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0692

Quant Time: Aug 13 07:41:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	183020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	274011	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	241385	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	107856	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	99671	54.08	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.16%	
35) Dibromofluoromethane	5.49	113	85379	47.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.46%	
50) Toluene-d8	8.71	98	319725	47.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.70%	
62) 4-Bromofluorobenzene	11.13	95	104242	43.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.48%	

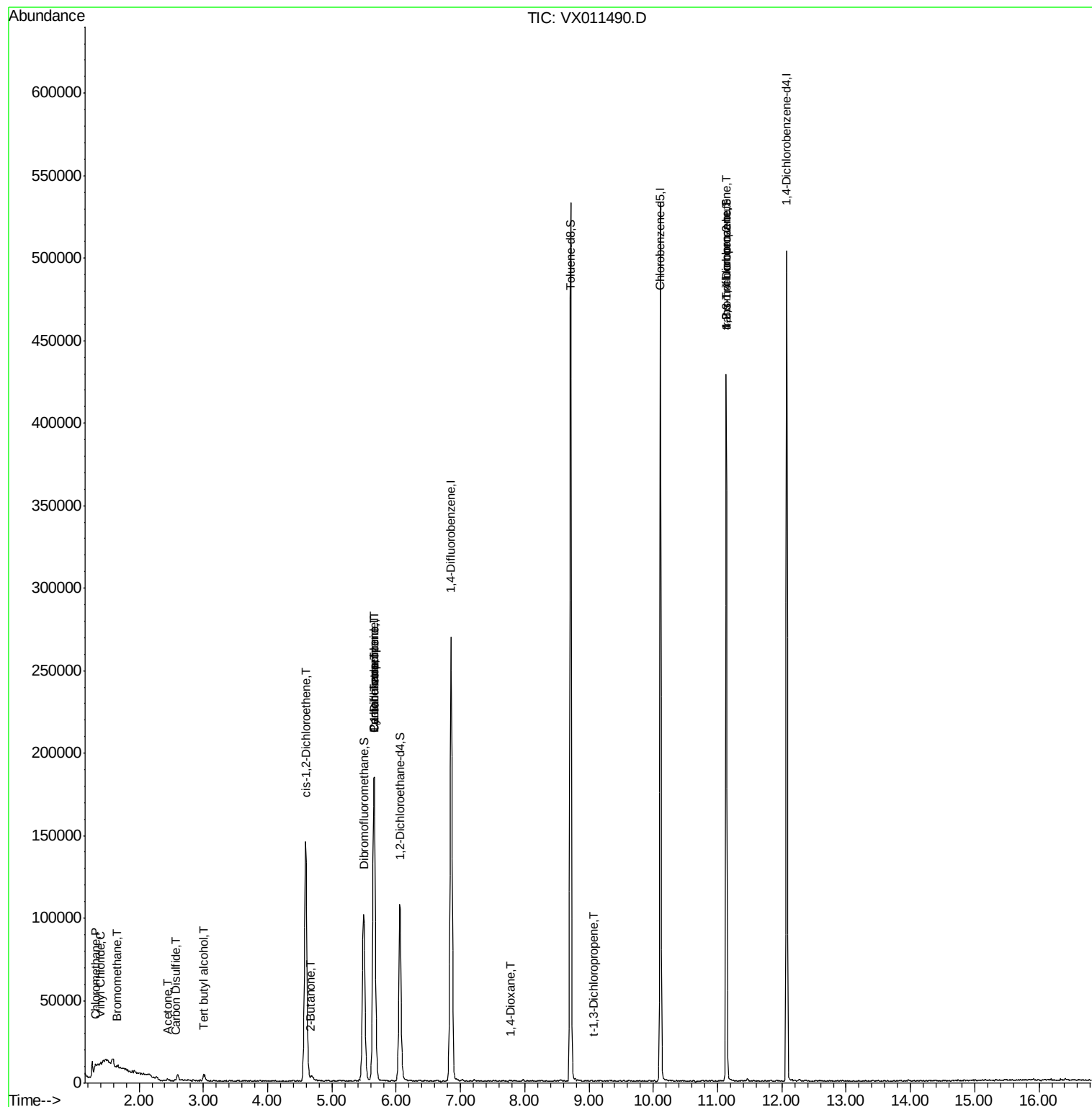
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	476	0.300	ug/l #	62
4) Vinyl Chloride	1.40	62	425	0.243	ug/l #	1
5) Bromomethane	1.65	94	286	0.230	ug/l #	81
6) Chloroethane	1.92	64	454	Below Cal	#	43
11) Tert butyl alcohol	3.01	59	2140	5.845	ug/l #	72
13) Acrolein	2.29	56	92	Below Cal	#	1
16) Acetone	2.43	43	1123	1.280	ug/l	93
17) Carbon Disulfide	2.57	76	793	0.203	ug/l #	37
25) 2-Butanone	4.67	43	369	0.296	ug/l #	46
27) cis-1,2-Dichloroethene	4.59	96	95797	47.216	ug/l	92
31) Cyclohexane	5.66	56	3907	1.646	ug/l #	36
36) 1,1-Dichloropropene	5.66	75	12634	5.281	ug/l #	48
38) Carbon Tetrachloride	5.66	117	17946	7.456	ug/l #	14
49) 1,4-Dioxane	7.77	88	44	0.841	ug/l #	76
53) t-1,3-Dichloropropene	9.07	75	87	2.869	ug/l #	75
76) 1,2,3-Trichloropropane	11.13	75	53234	27.102	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	53234	70.345	ug/l #	10

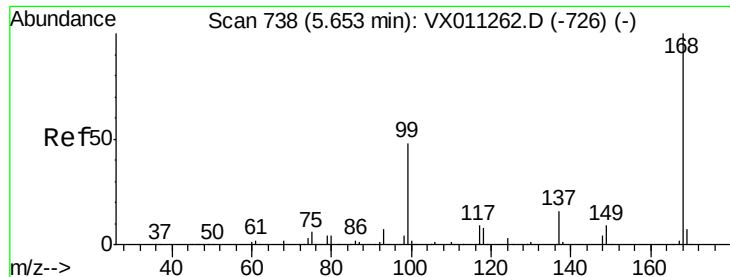
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX081219\
Data File : VX011490.D
Acq On : 12 Aug 2019 17:49
Operator : JC/SP
Sample : K4278-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Z3-0692

Quant Time: Aug 13 07:41:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011490.D

Acq: 12 Aug 2019 17:49

Instrument :

MSVOA_X

ClientSampleId :

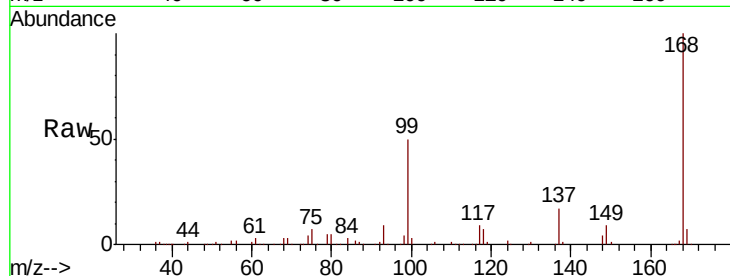
Z3-0692

Tgt Ion:168 Resp: 183020

Ion Ratio Lower Upper

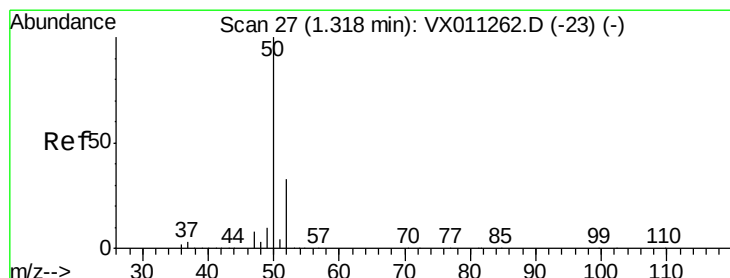
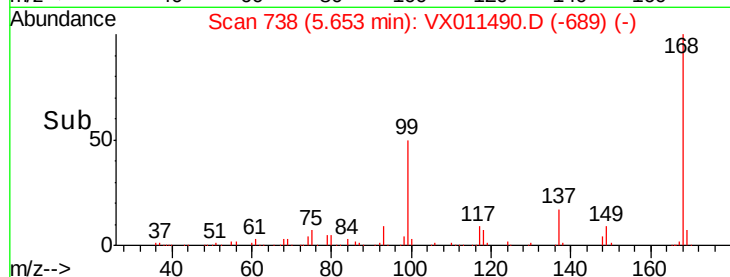
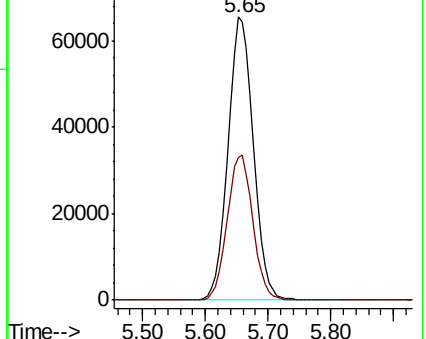
168 100

99 50.3 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.300 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX011490.D

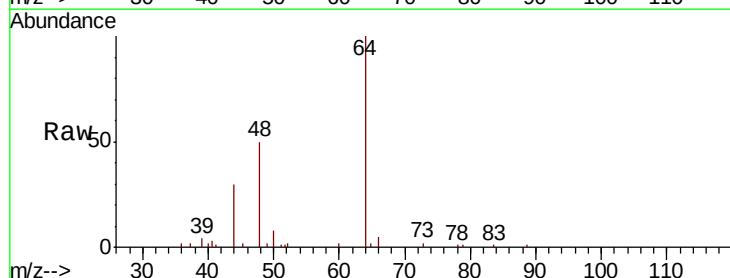
Acq: 12 Aug 2019 17:49

Tgt Ion: 50 Resp: 476

Ion Ratio Lower Upper

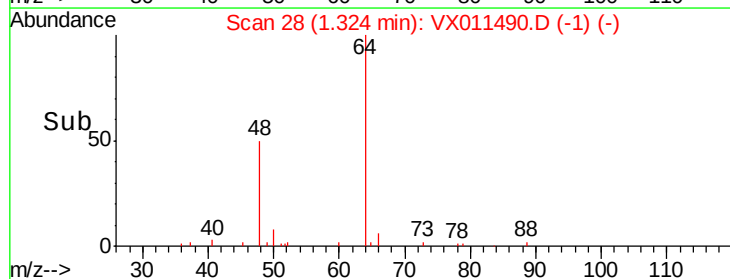
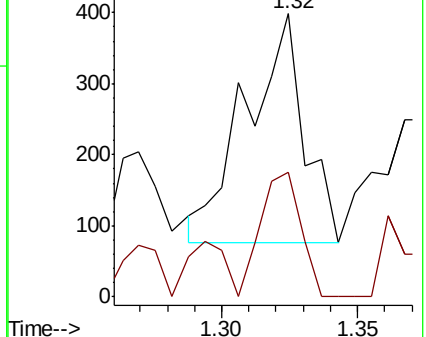
50 100

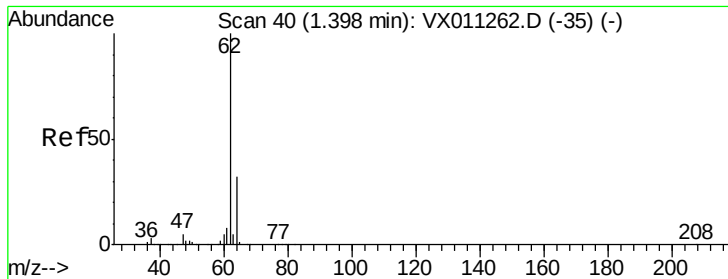
52 54.7 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.243 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011490.D

Acq: 12 Aug 2019 17:49

Instrument :

MSVOA_X

ClientSampled :

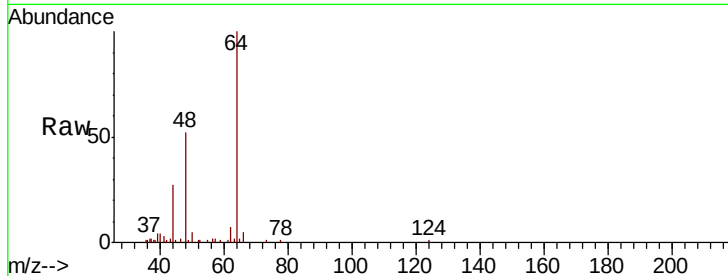
Z3-0692

Tgt Ion: 62 Resp: 425

Ion Ratio Lower Upper

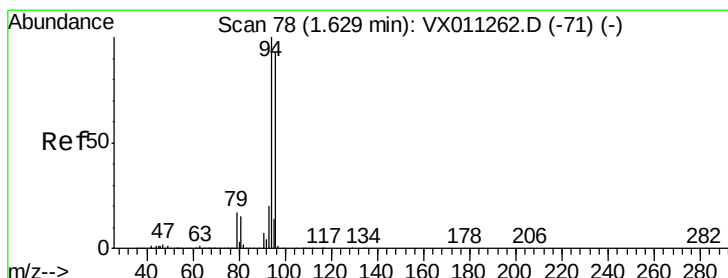
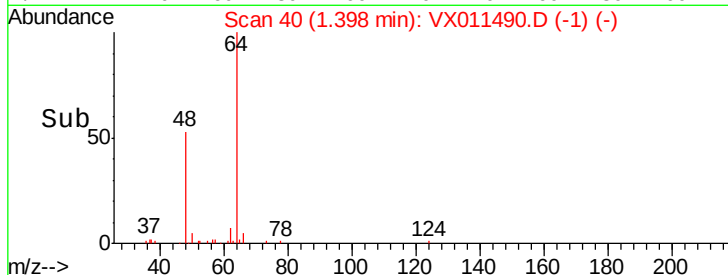
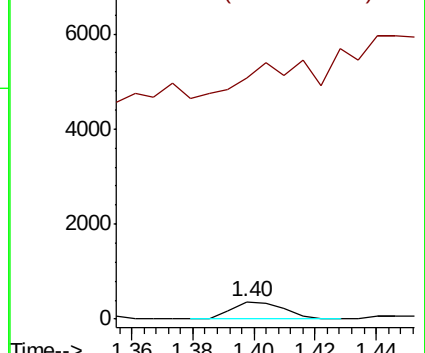
62 100

64 113.4 26.0 39.0#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.230 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.02 min

Lab File: VX011490.D

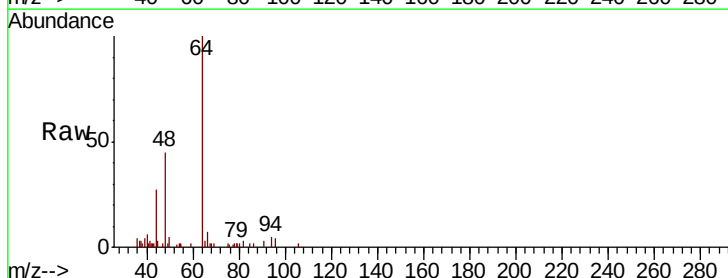
Acq: 12 Aug 2019 17:49

Tgt Ion: 94 Resp: 286

Ion Ratio Lower Upper

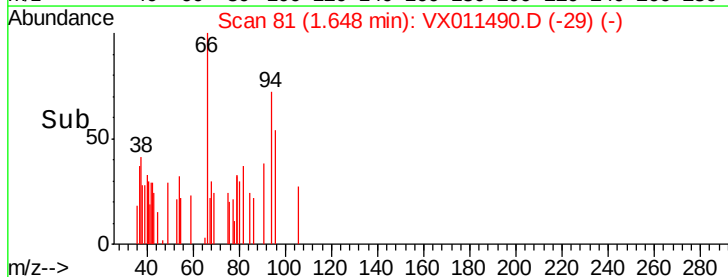
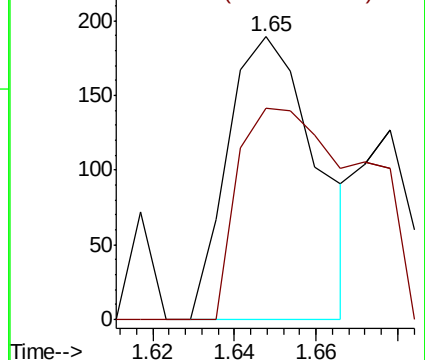
94 100

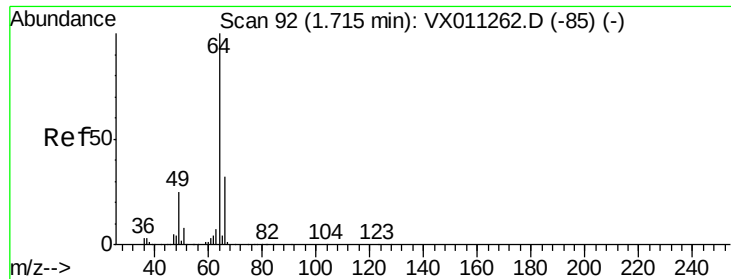
96 74.6 74.6 112.0#



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: 1.92 min Scan# 126

Delta R.T. 0.21 min

Lab File: VX011490.D

Acq: 12 Aug 2019 17:49

Instrument :

MSVOA_X

ClientSampleId :

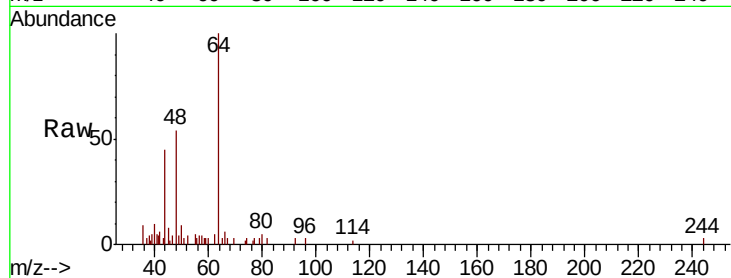
Z3-0692

Tgt Ion: 64 Resp: 454

Ion Ratio Lower Upper

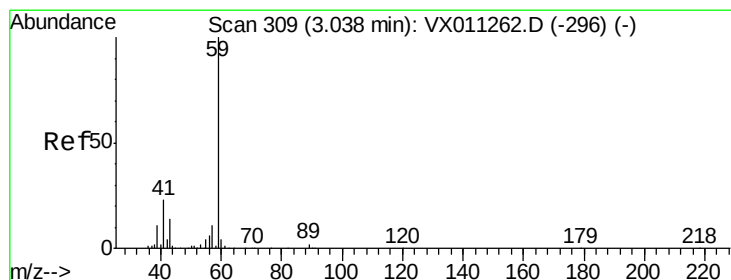
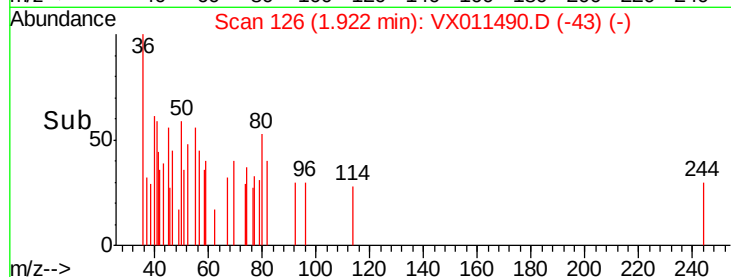
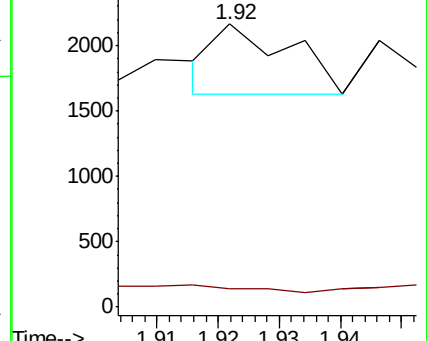
64 100

66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 5.845 ug/l

RT: 3.01 min Scan# 304

Delta R.T. -0.03 min

Lab File: VX011490.D

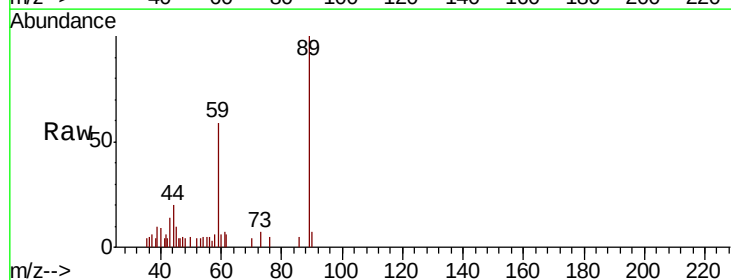
Acq: 12 Aug 2019 17:49

Tgt Ion: 59 Resp: 2140

Ion Ratio Lower Upper

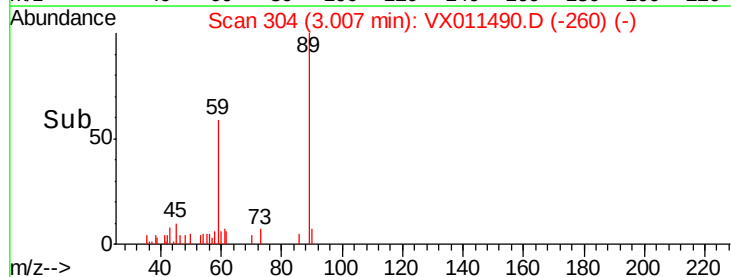
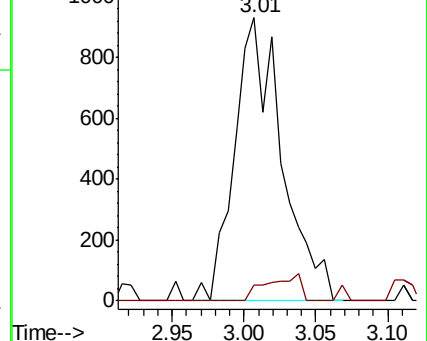
59 100

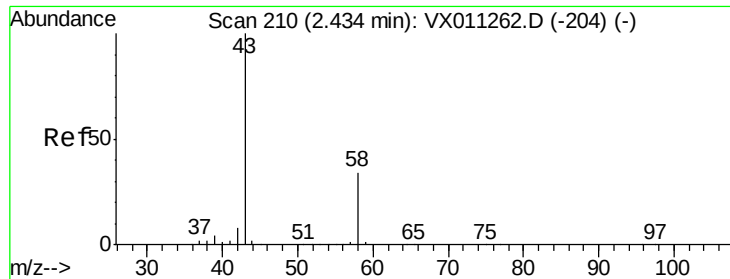
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 1.280 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011490.D

Acq: 12 Aug 2019 17:49

Instrument :

MSVOA_X

ClientSampled :

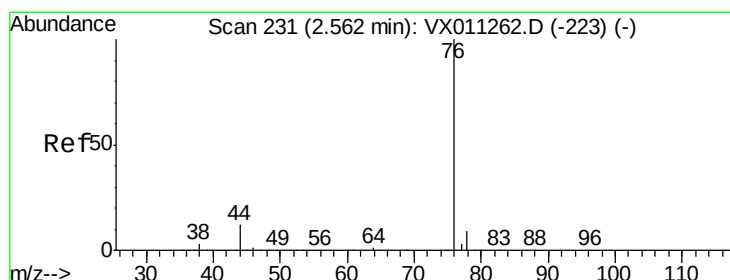
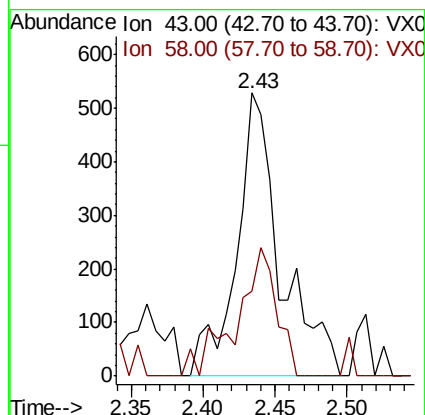
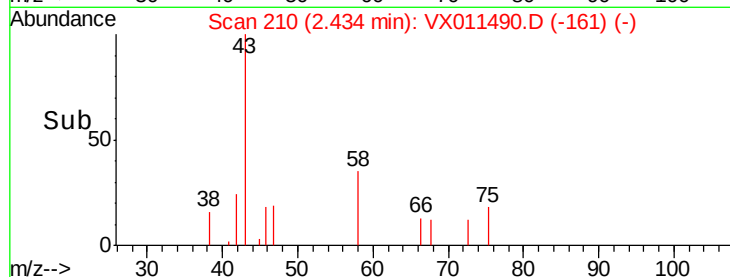
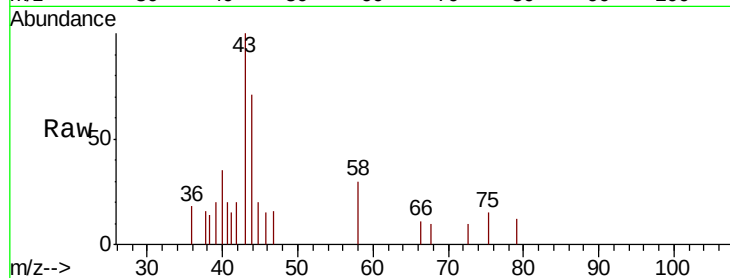
Z3-0692

Tgt Ion: 43 Resp: 1123

Ion Ratio Lower Upper

43 100

58 29.9 27.4 41.0



#17

Carbon Disulfide

Concen: 0.203 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX011490.D

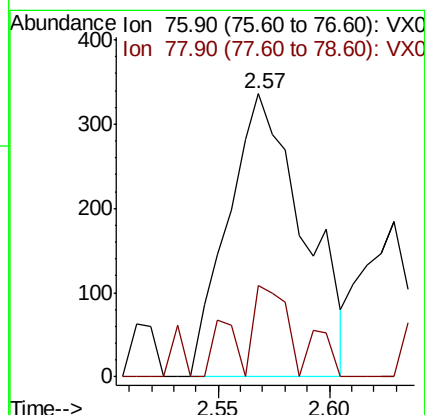
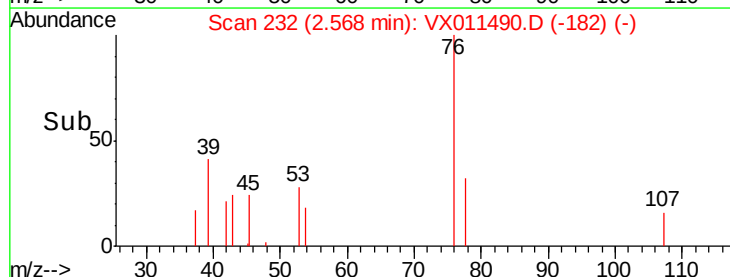
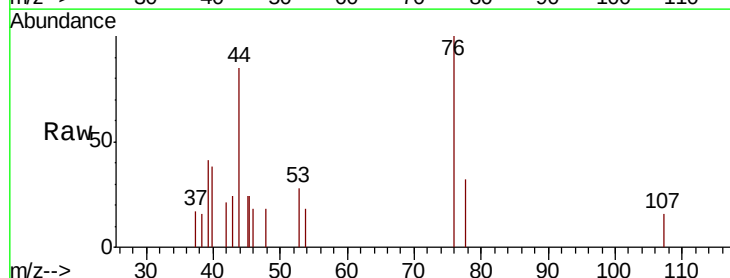
Acq: 12 Aug 2019 17:49

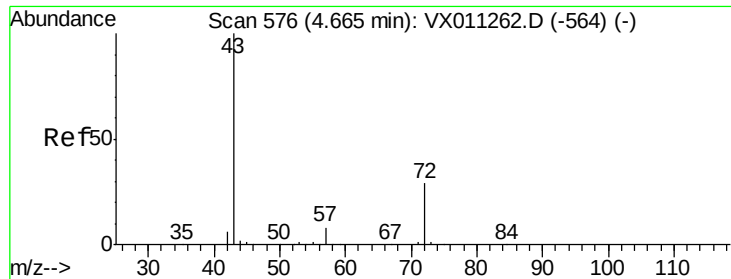
Tgt Ion: 76 Resp: 793

Ion Ratio Lower Upper

76 100

78 32.1 7.4 11.0#





#25

2-Butanone

Concen: 0.296 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.01 min

Lab File: VX011490.D

Acq: 12 Aug 2019 17:49

Instrument :

MSVOA_X

ClientSampleId :

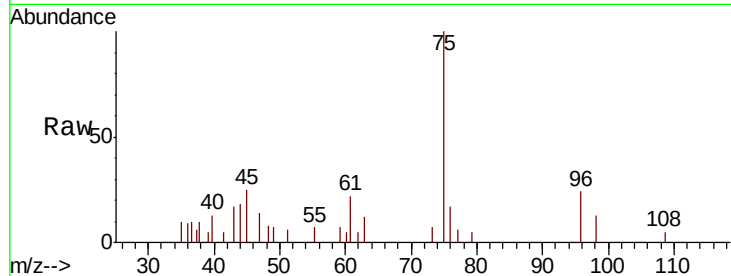
Z3-0692

Tgt Ion: 43 Resp: 369

Ion Ratio Lower Upper

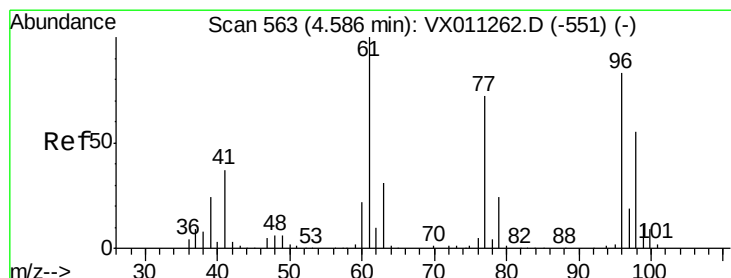
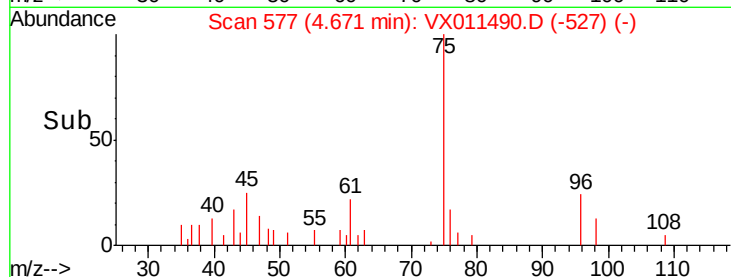
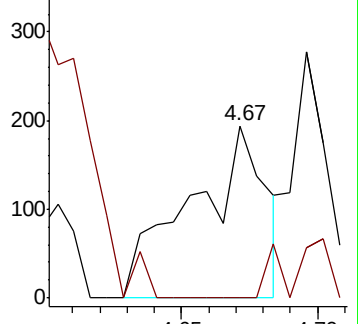
43 100

72 0.0 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 47.216 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX011490.D

Acq: 12 Aug 2019 17:49

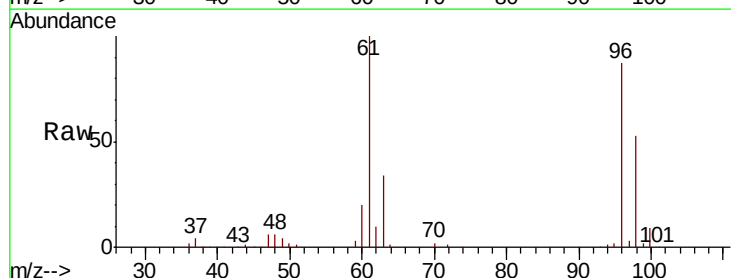
Tgt Ion: 96 Resp: 95797

Ion Ratio Lower Upper

96 100

61 117.9 0.0 260.2

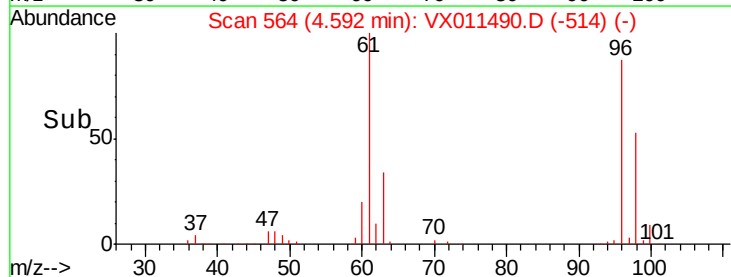
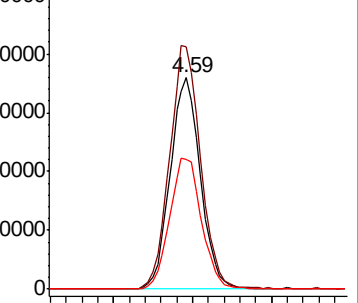
98 65.1 0.0 133.2

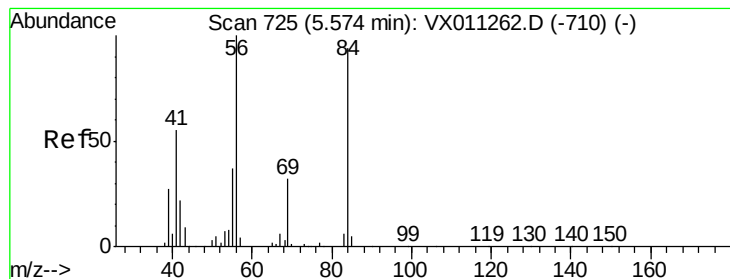


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#31

Cyclohexane

Concen: 1.646 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX011490.D

Acq: 12 Aug 2019 17:49

Instrument :

MSVOA_X

ClientSampled :

Z3-0692

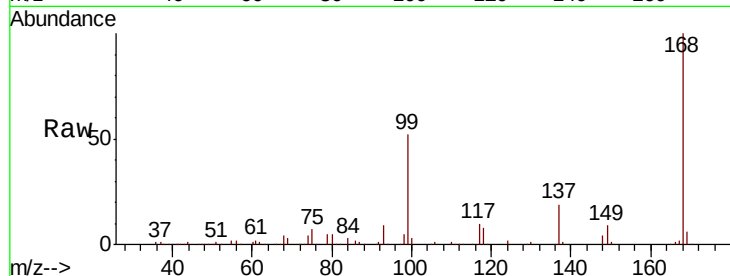
Tgt Ion: 56 Resp: 3907

Ion Ratio Lower Upper

56 100

69 127.9 25.5 38.3#

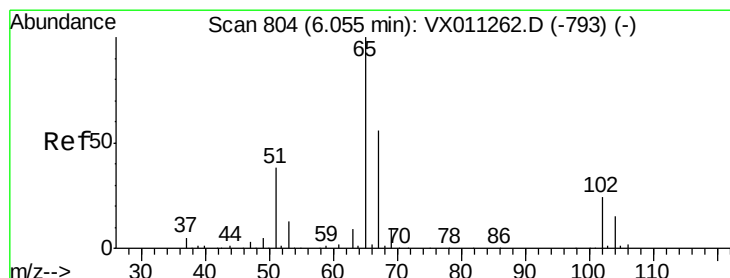
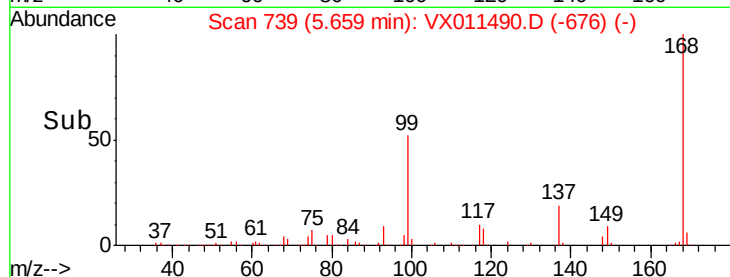
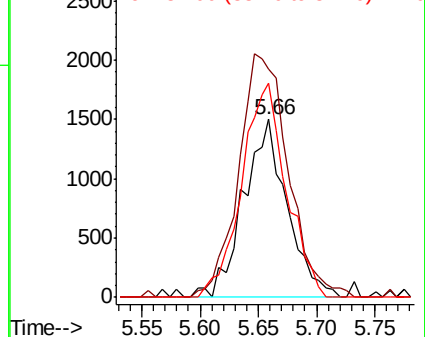
84 119.9 75.0 112.4#



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: 54.078 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011490.D

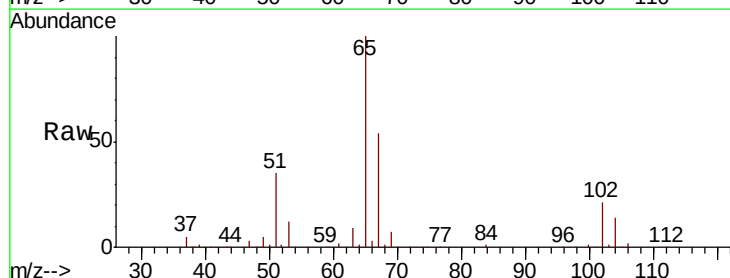
Acq: 12 Aug 2019 17:49

Tgt Ion: 65 Resp: 99671

Ion Ratio Lower Upper

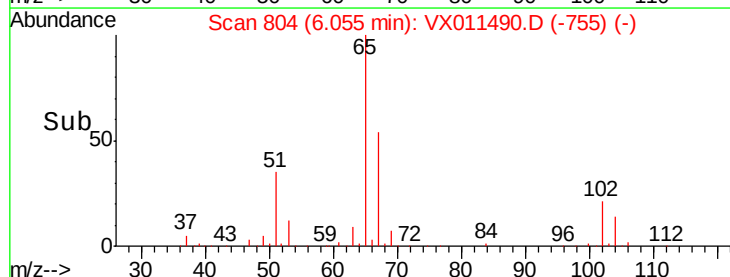
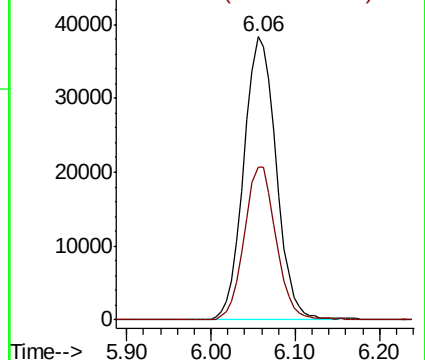
65 100

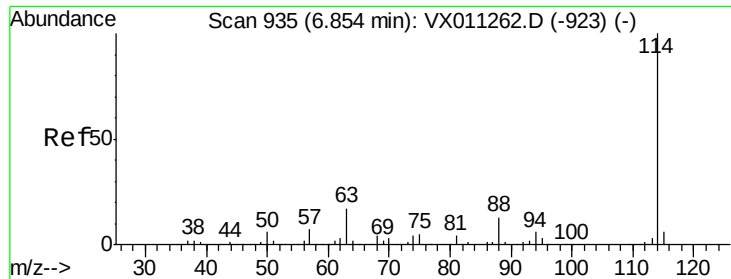
67 53.0 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

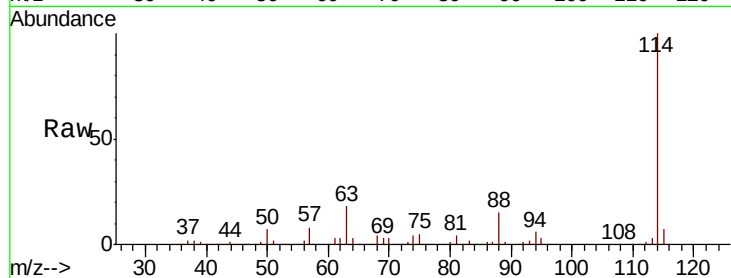




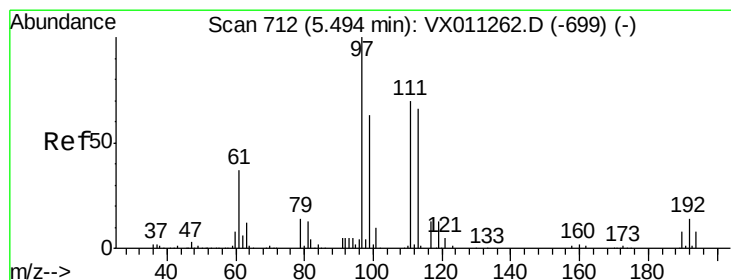
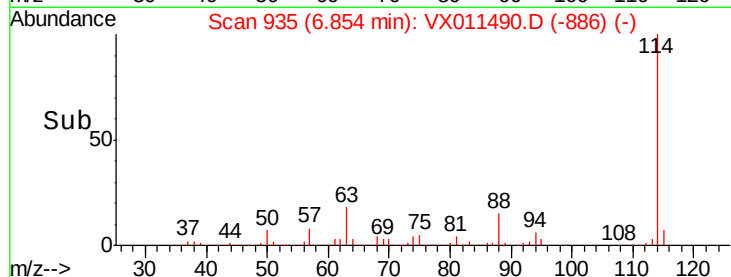
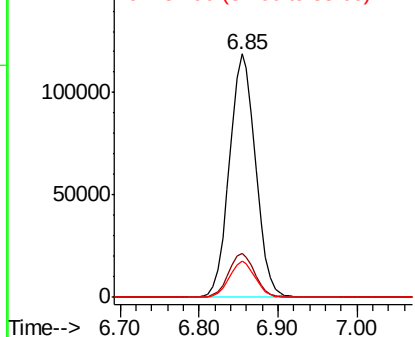
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011490.D
 Acq: 12 Aug 2019 17:49

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0692

Tgt Ion:114 Resp: 274011
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 34.0
 88 15.0 0.0 26.4

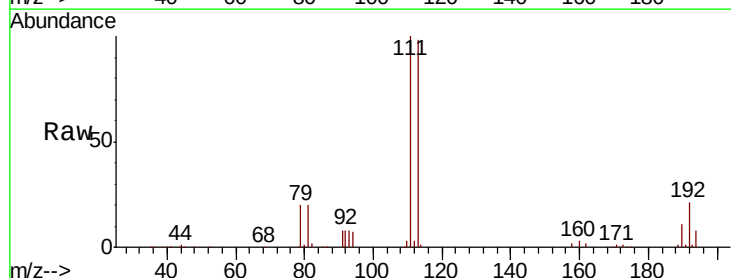


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

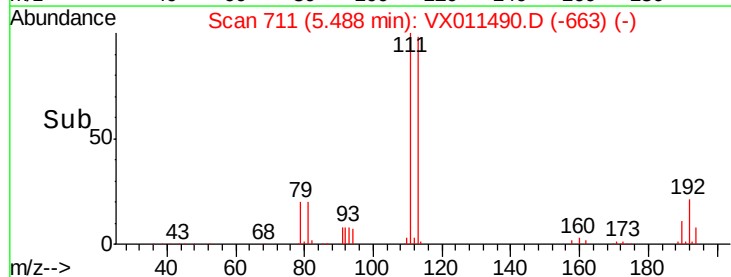
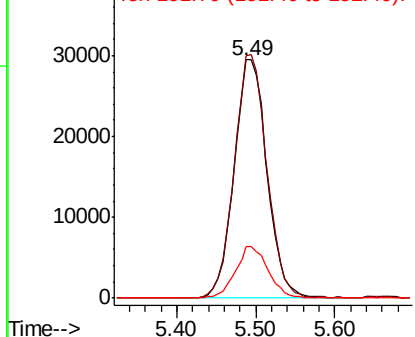


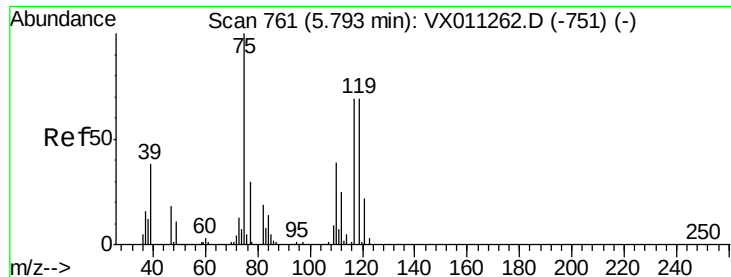
#35
 Dibromofluoromethane
 Concen: 47.726 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011490.D
 Acq: 12 Aug 2019 17:49

Tgt Ion:113 Resp: 85379
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.9 122.9
 192 21.2 17.8 26.8



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

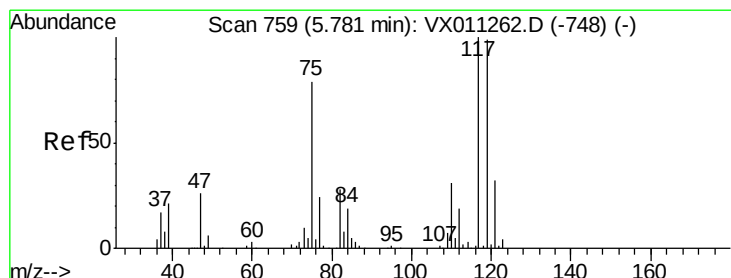
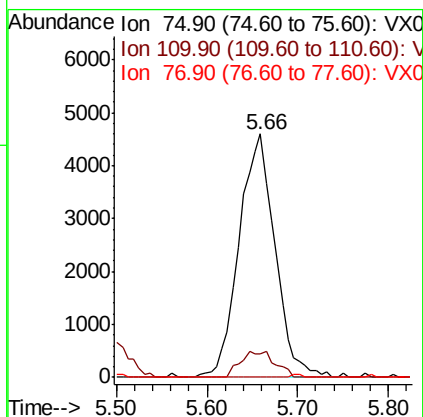
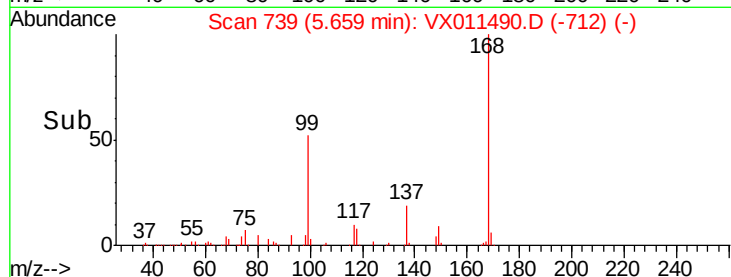
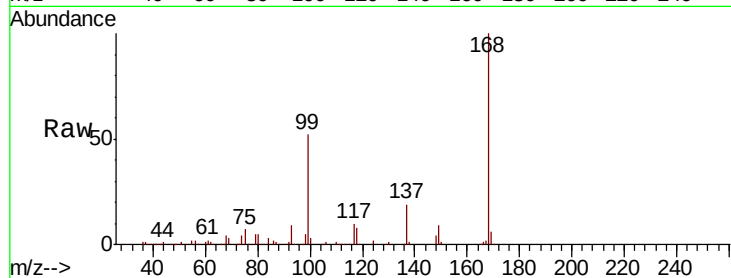




#36
 1,1-Dichloropropene
 Concen: 5.281 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX011490.D
 Acq: 12 Aug 2019 17:49

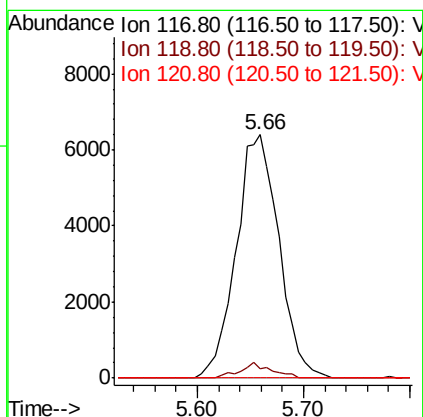
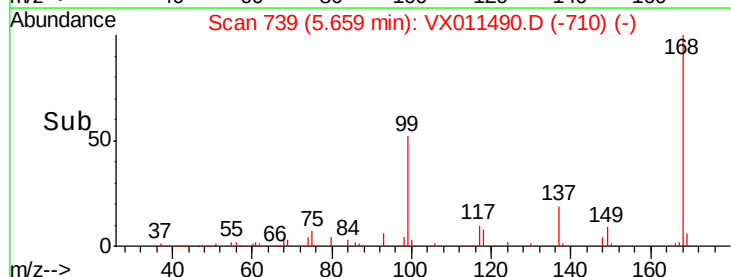
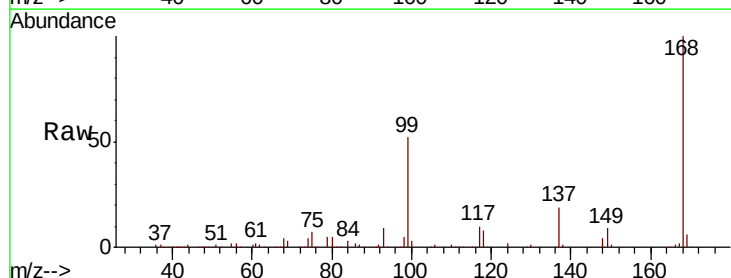
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0692

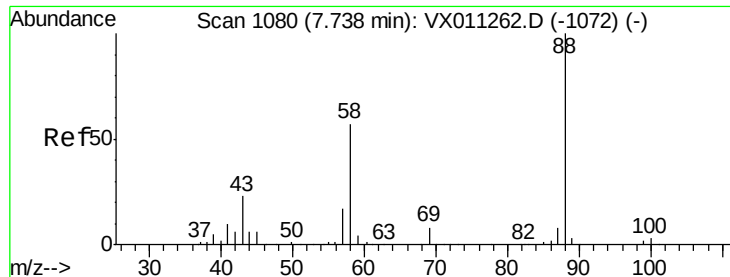
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.1	20.0	59.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 7.456 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX011490.D
 Acq: 12 Aug 2019 17:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	79.0	118.4#
121	0.0	25.9	38.9#

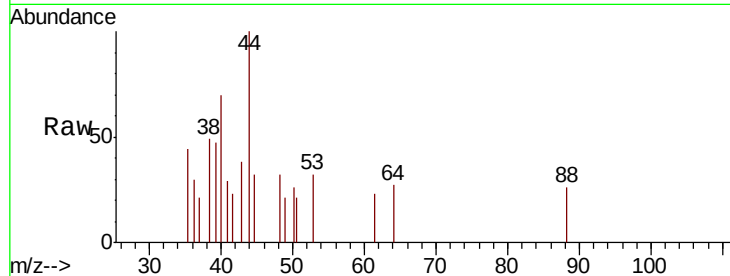




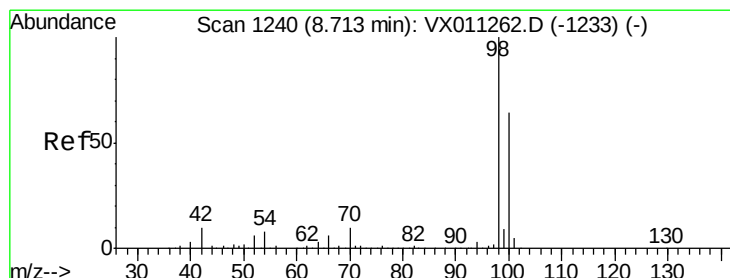
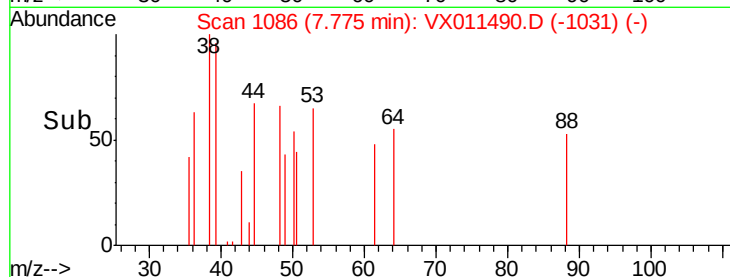
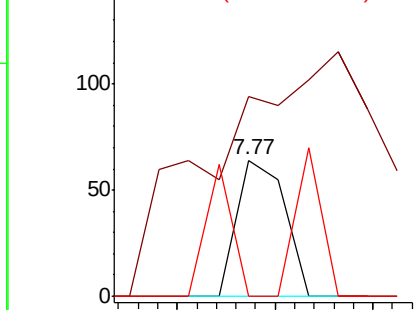
#49
1,4-Dioxane
Concen: 0.841 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.04 min
Lab File: VX011490.D
Acq: 12 Aug 2019 17:49

Instrument :
MSVOA_X
ClientSampled :
Z3-0692

Tgt Ion: 88 Resp: 44
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.2#
58 52.3 47.8 71.8

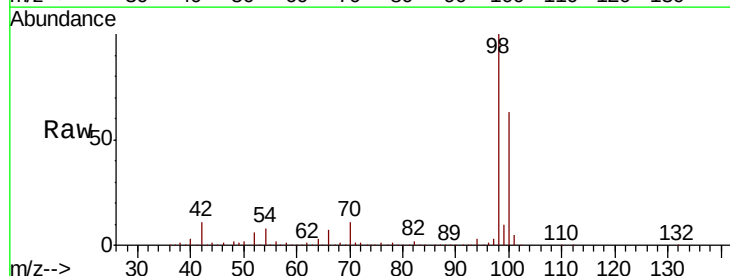


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

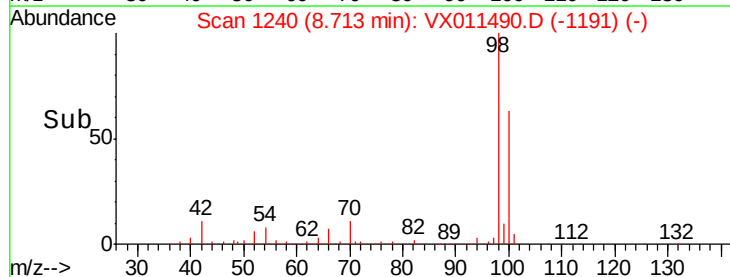
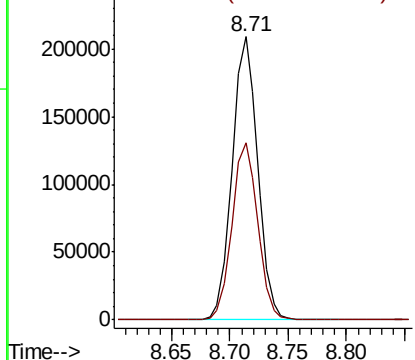


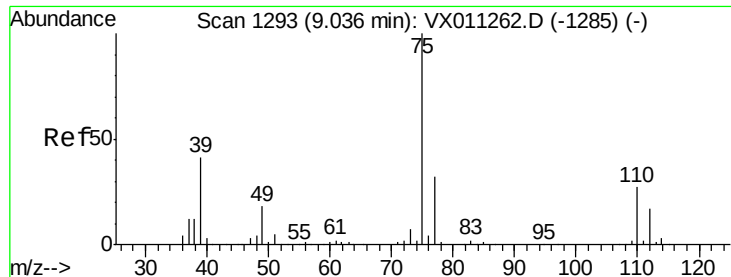
#50
Toluene-d8
Concen: 47.347 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011490.D
Acq: 12 Aug 2019 17:49

Tgt Ion: 98 Resp: 319725
Ion Ratio Lower Upper
98 100
100 63.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0

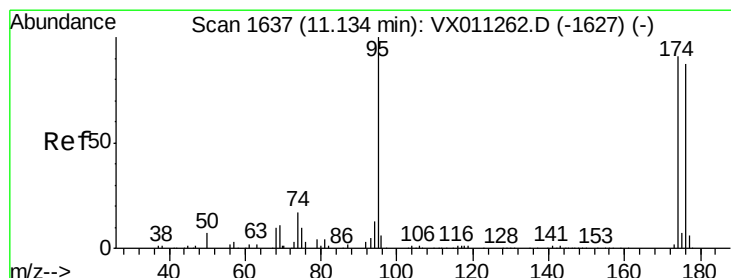
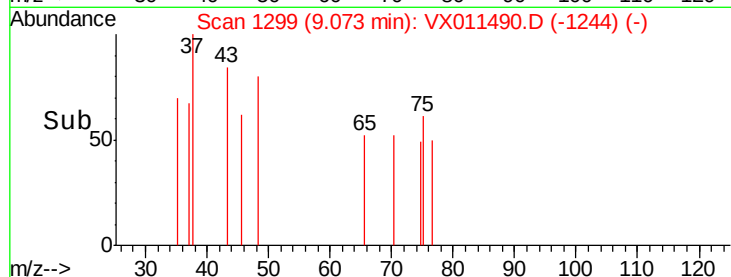
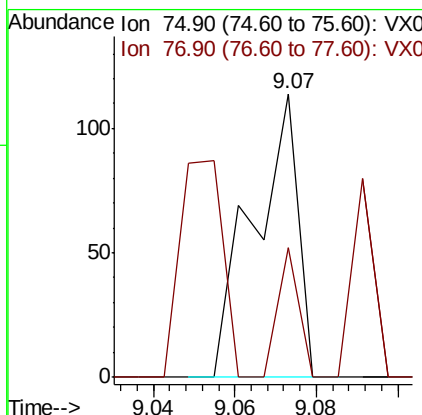
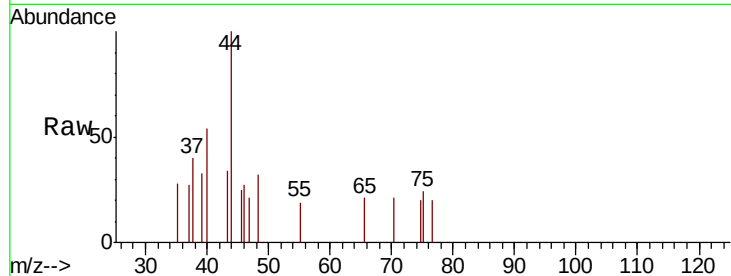




#53
t-1,3-Dichloropropene
Concen: 2.869 ug/l
RT: 9.07 min Scan# 1299
Delta R.T. 0.04 min
Lab File: VX011490.D
Acq: 12 Aug 2019 17:49

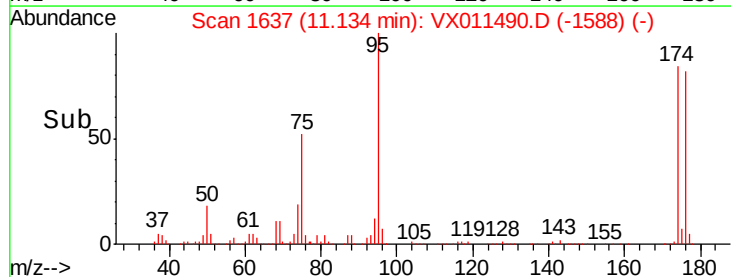
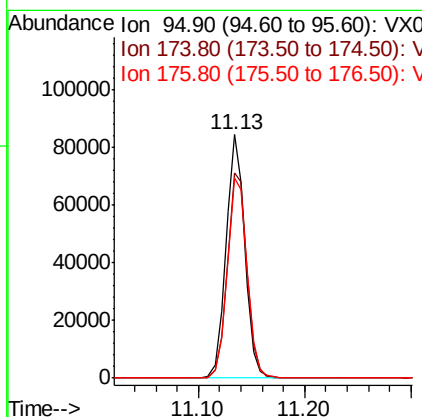
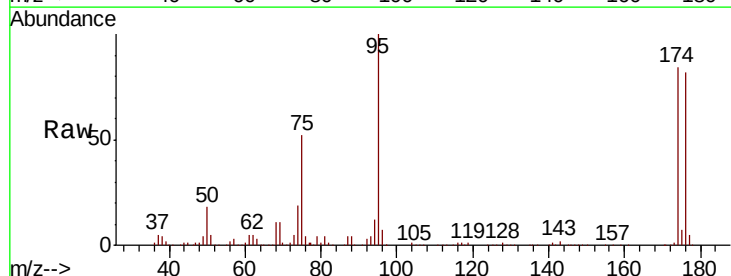
Instrument :
MSVOA_X
ClientSampleId :
Z3-0692

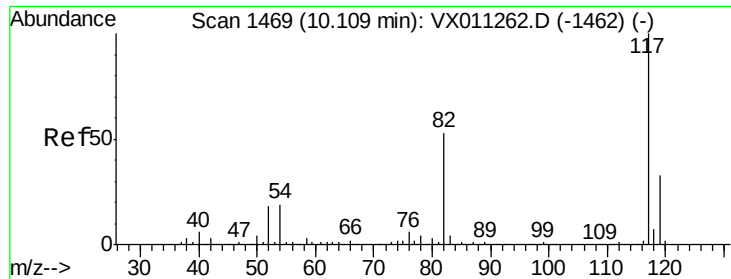
Tgt Ion: 75 Resp: 87
Ion Ratio Lower Upper
75 100
77 45.6 25.4 38.0#



#62
4-Bromofluorobenzene
Concen: 43.237 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011490.D
Acq: 12 Aug 2019 17:49

Tgt Ion: 95 Resp: 104242
Ion Ratio Lower Upper
95 100
174 88.5 0.0 191.2
176 86.7 0.0 184.8

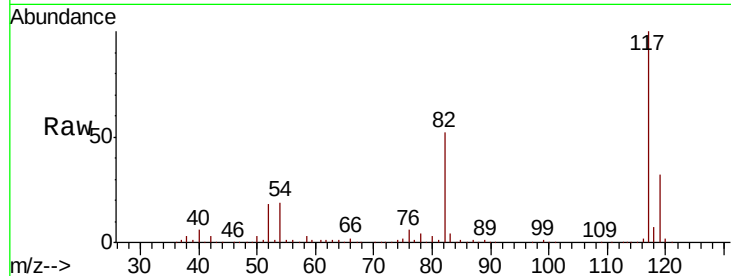




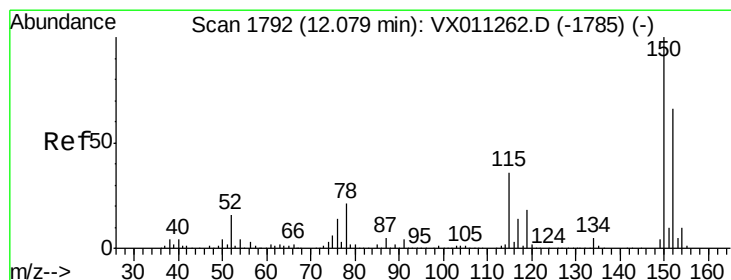
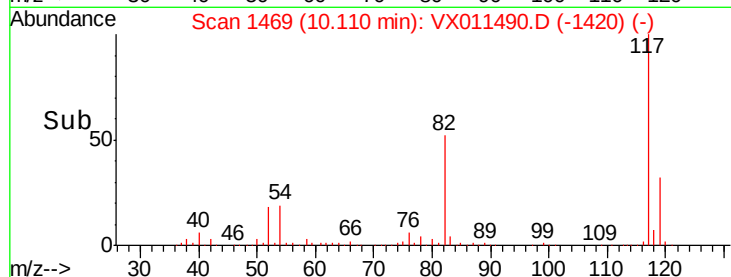
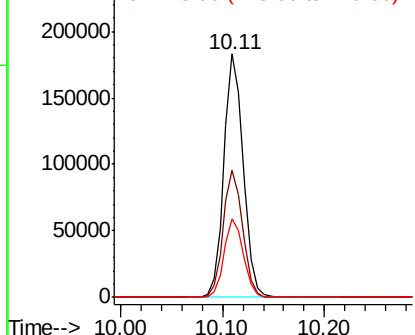
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011490.D
Acq: 12 Aug 2019 17:49

Instrument :
MSVOA_X
ClientSampled :
Z3-0692

Tgt Ion:117 Resp: 241385
Ion Ratio Lower Upper
117 100
82 52.3 42.2 63.2
119 32.1 26.6 39.8

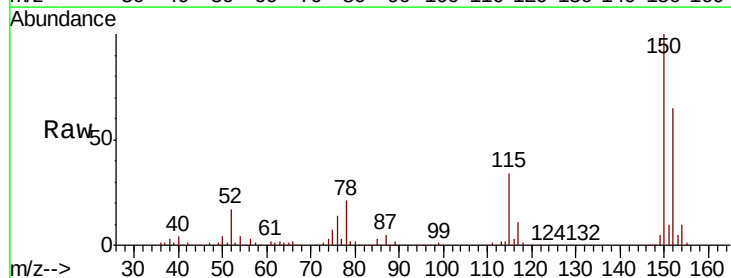


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

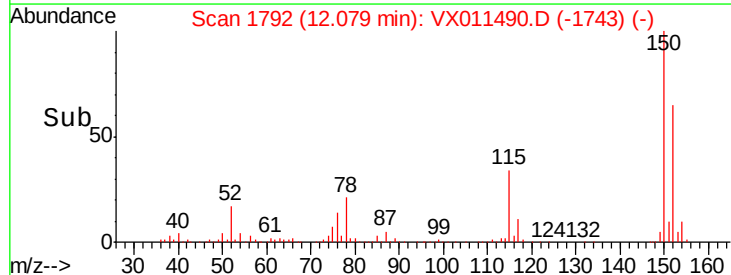
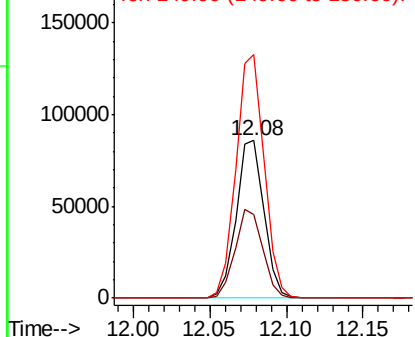


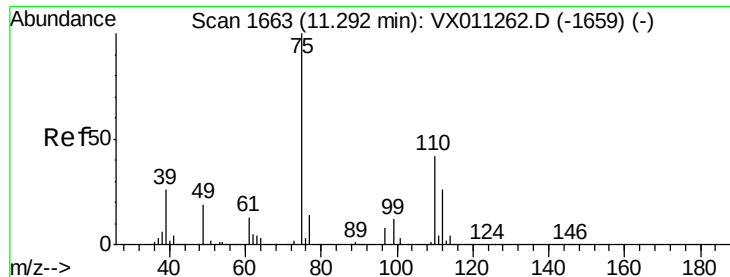
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011490.D
Acq: 12 Aug 2019 17:49

Tgt Ion:152 Resp: 107856
Ion Ratio Lower Upper
152 100
115 56.3 40.0 119.9
150 157.1 0.0 350.4



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: 27.102 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011490.D

Acq: 12 Aug 2019 17:49

Instrument :

MSVOA_X

ClientSampleId :

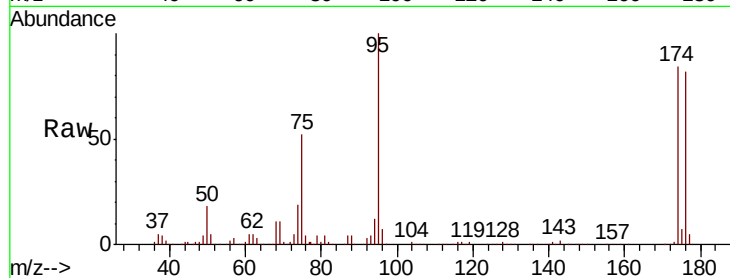
Z3-0692

Tgt Ion: 75 Resp: 53234

Ion Ratio Lower Upper

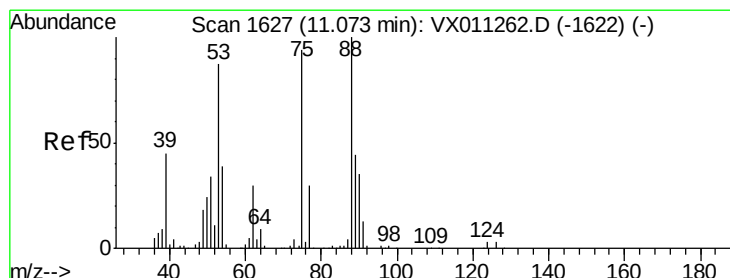
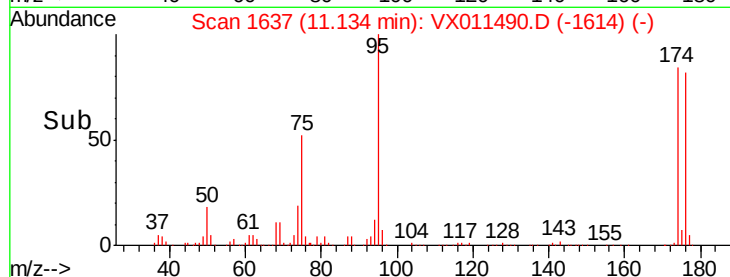
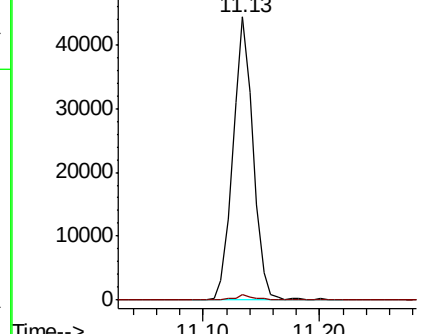
75 100

77 1.8 21.1 63.4#



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: 70.345 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011490.D

Acq: 12 Aug 2019 17:49

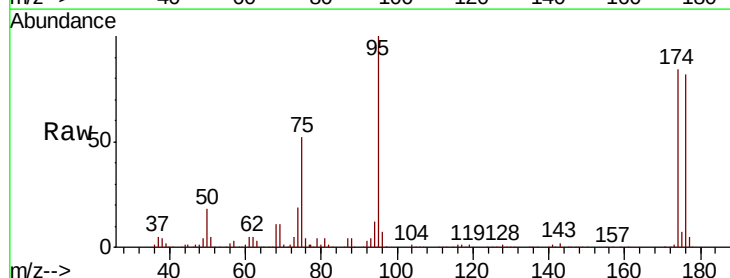
Tgt Ion: 75 Resp: 53234

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.1 37.9 56.9#



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

