

Data File : VX011313.D
Acq On : 02 Aug 2019 18:27
Operator : JC/SP
Sample : K4119-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Z3-0700

Quant Time: Aug 03 05:45:58 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	5.66	168	139262	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	221629	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	210732	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	94076	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	73123	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
35) Dibromofluoromethane	5.49	113	70641	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
50) Toluene-d8	8.71	98	268147	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
62) 4-Bromofluorobenzene	11.13	95	89588	45.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	505	0.418	ug/l	91
4) Vinyl Chloride	1.40	62	4393	3.306	ug/l	96
5) Bromomethane	1.64	94	370	0.390	ug/l #	72
6) Chloroethane	1.79	64	1105	Below Cal	#	43
11) Tert butyl alcohol	3.01	59	2998	10.742	ug/l #	87
15) Acrylonitrile	3.14	53	181	0.271	ug/l #	59
16) Acetone	2.43	43	1909	2.860	ug/l	91
20) Methylene Chloride	2.85	84	318	0.218	ug/l #	63
21) trans-1,2-Dichloroethene	3.16	96	3216	2.399	ug/l	84
25) 2-Butanone	4.68	43	376	0.396	ug/l	93
27) cis-1,2-Dichloroethene	4.59	96	144696	93.725	ug/l	88
29) Tetrahydrofuran	5.14	42	743	1.276	ug/l #	75
36) 1,1-Dichloropropene	5.65	75	9214	4.762	ug/l #	48
38) Carbon Tetrachloride	5.65	117	12971	6.663	ug/l #	15
40) Benzene	6.15	78	3939	0.682	ug/l #	74
44) Trichloroethene	7.21	130	517	0.296	ug/l	84
49) 1,4-Dioxane	7.73	88	21	0.496	ug/l #	1
53) t-1,3-Dichloropropene	9.03	75	39	2.856	ug/l #	59
65) Chlorobenzene	10.13	112	2824	0.625	ug/l #	88
76) 1,2,3-Trichloropropane	11.13	75	43675	25.493	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	43675	66.436	ug/l #	10

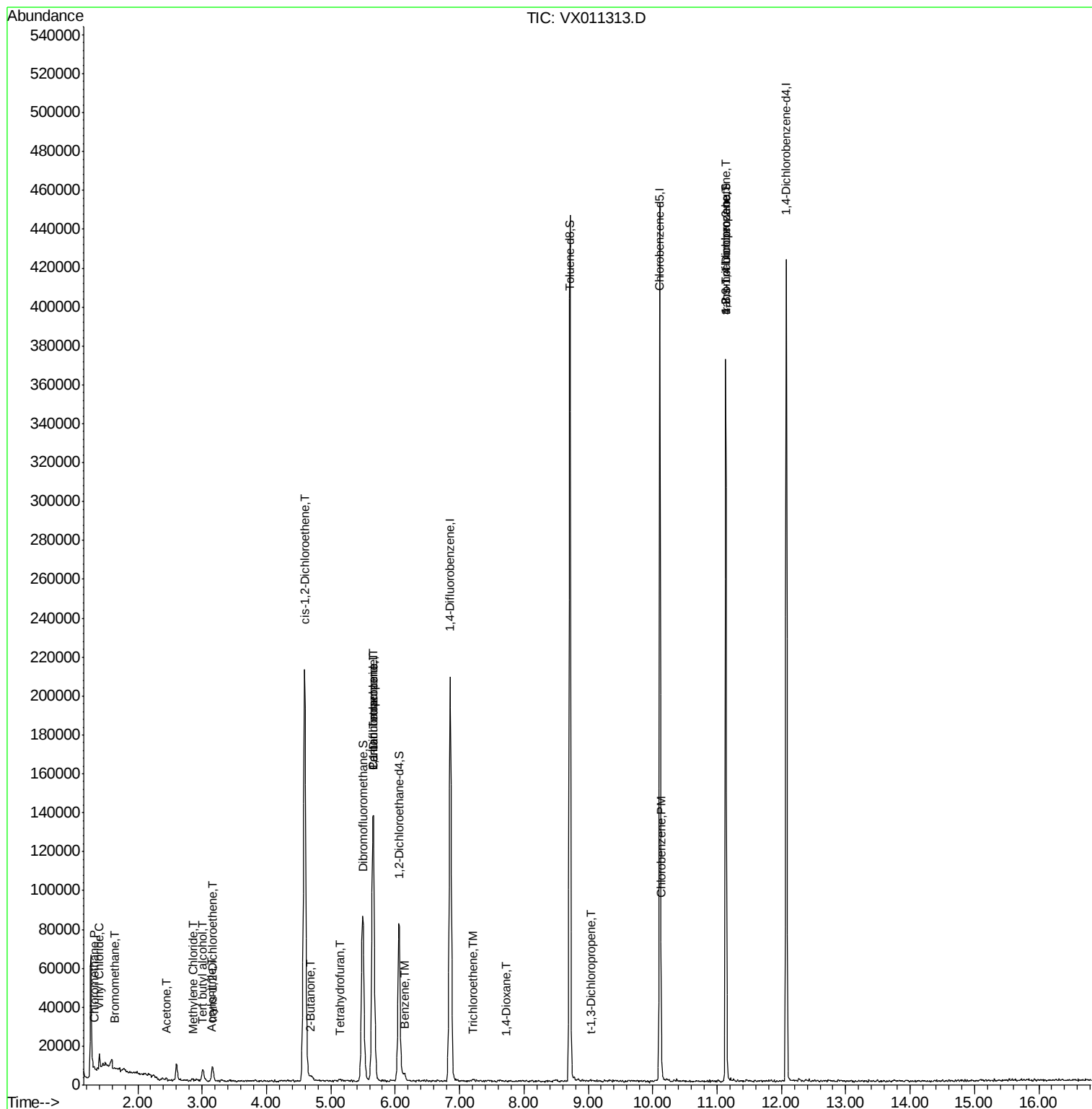
(#) = qualifier out of range (m) = manual integration (+) = signals summed

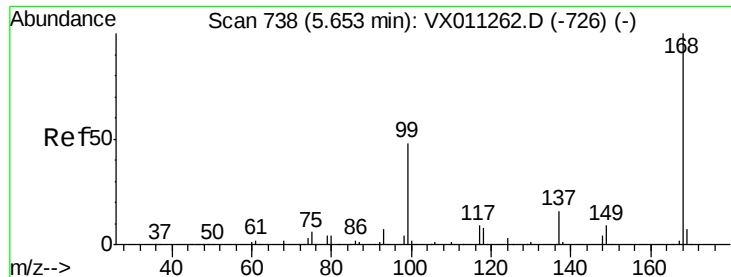
Data File : VX011313.D

```
Acq On       : 02 Aug 2019   18:27
Operator    : JC/SP
Sample      : K4119-05
Misc        : 5.0mL/MSVOA_X/WATER
ALS Vial    : 24   Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
Z3-0700

Quant Time: Aug 03 05:45:58 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011313.D

Acq: 02 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

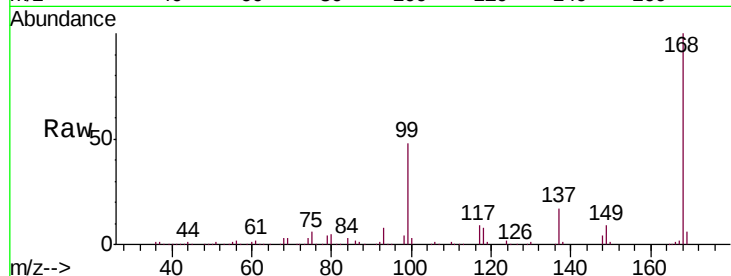
Z3-0700

Tgt Ion:168 Resp: 139262

Ion Ratio Lower Upper

168 100

99 48.3 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

50000

40000

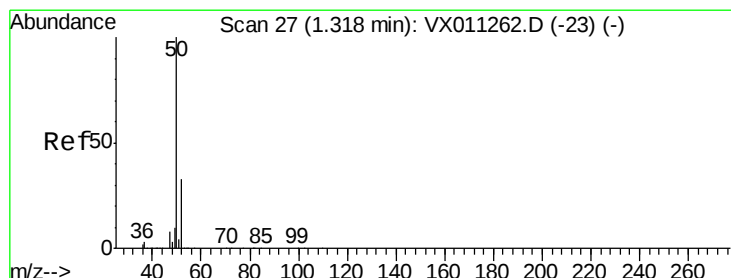
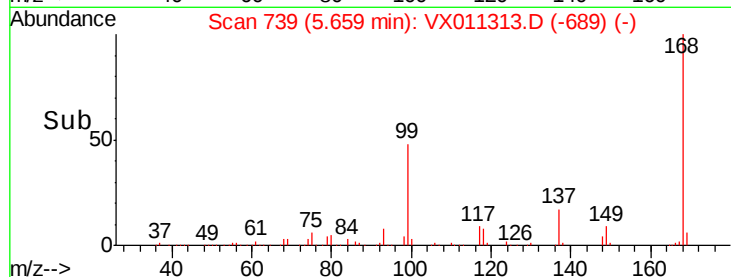
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.418 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011313.D

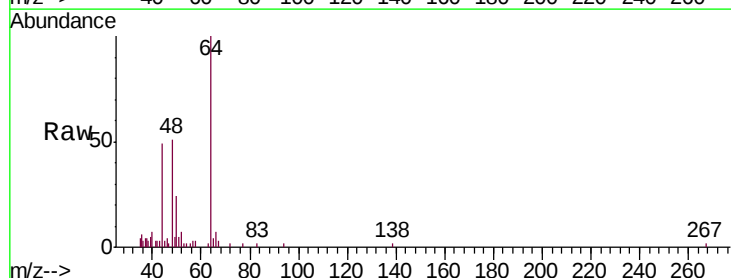
Acq: 02 Aug 2019 18:27

Tgt Ion: 50 Resp: 505

Ion Ratio Lower Upper

50 100

52 38.2 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

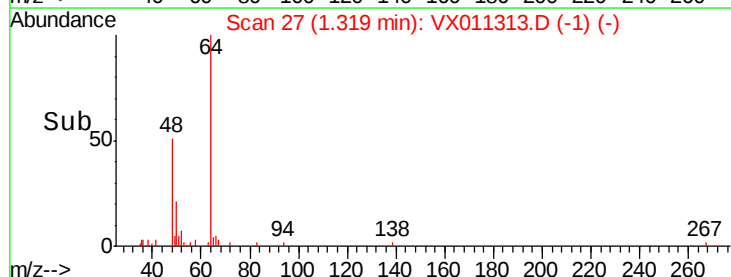
600

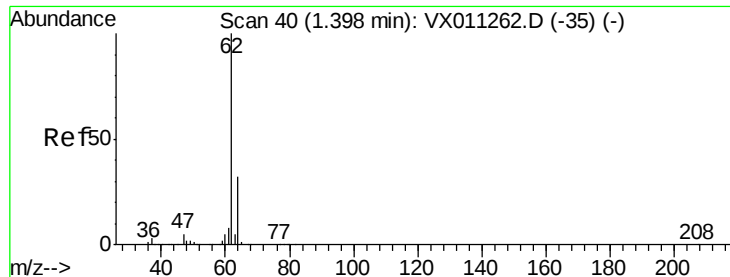
400

200

0

Time--> 1.30 1.32 1.34





#4

Vinyl Chloride

Concen: 3.306 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011313.D

Acq: 02 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

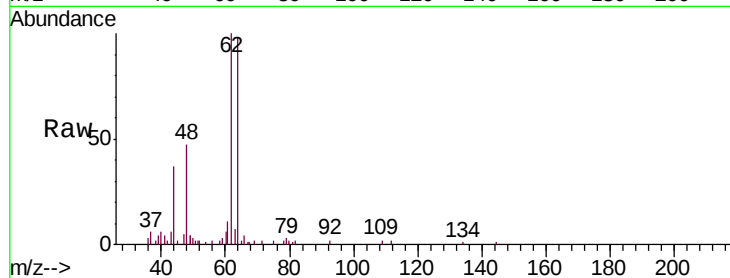
Z3-0700

Tgt Ion: 62 Resp: 4393

Ion Ratio Lower Upper

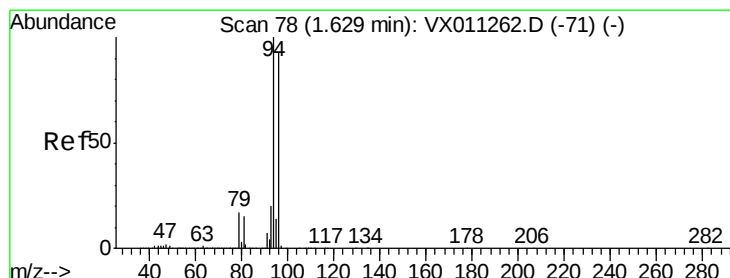
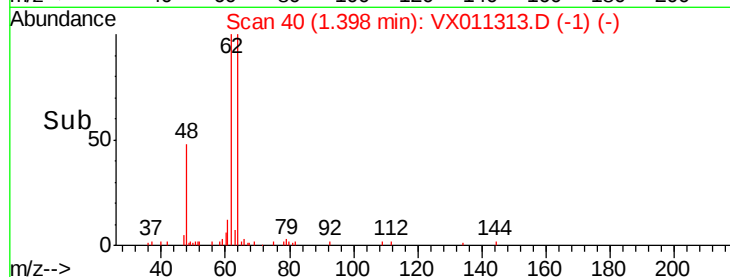
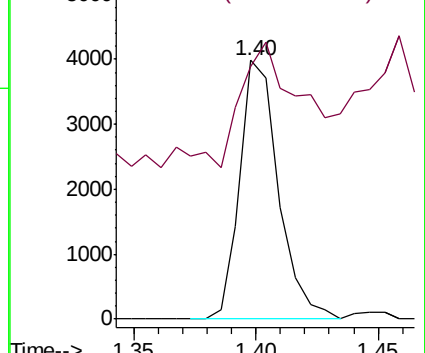
62 100

64 34.8 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: 0.390 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX011313.D

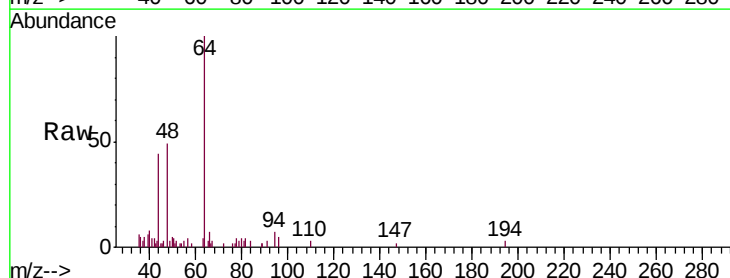
Acq: 02 Aug 2019 18:27

Tgt Ion: 94 Resp: 370

Ion Ratio Lower Upper

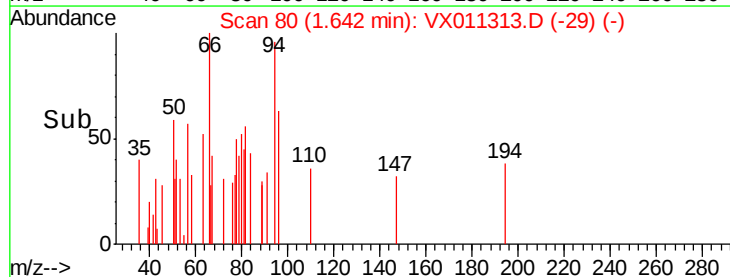
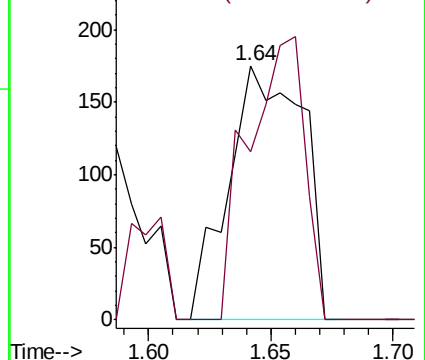
94 100

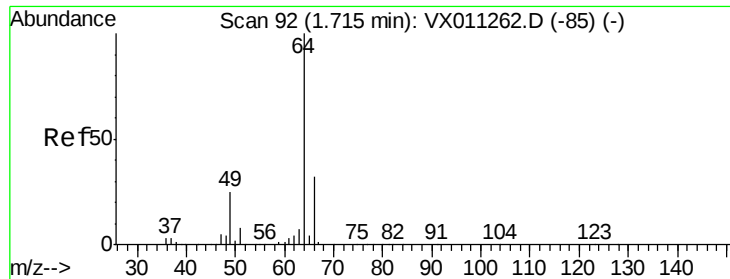
96 66.3 74.6 112.0#



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: 1.79 min Scan# 104

Delta R.T. 0.07 min

Lab File: VX011313.D

Acq: 02 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

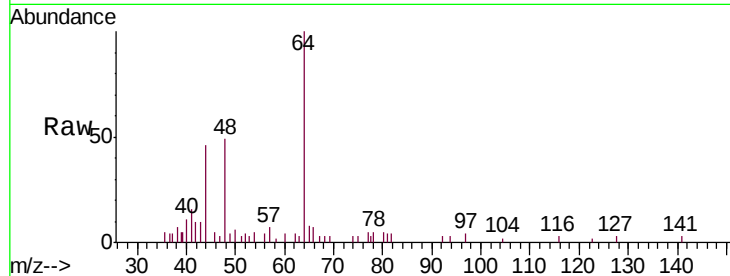
Z3-0700

Tgt Ion: 64 Resp: 1105

Ion Ratio Lower Upper

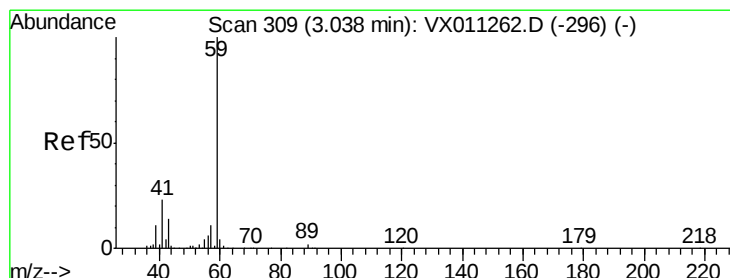
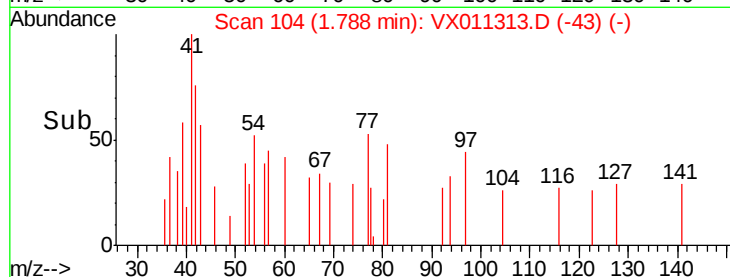
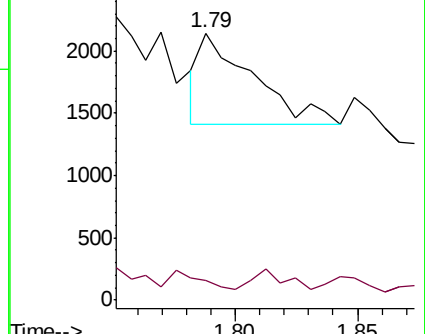
64 100

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: 10.742 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.02 min

Lab File: VX011313.D

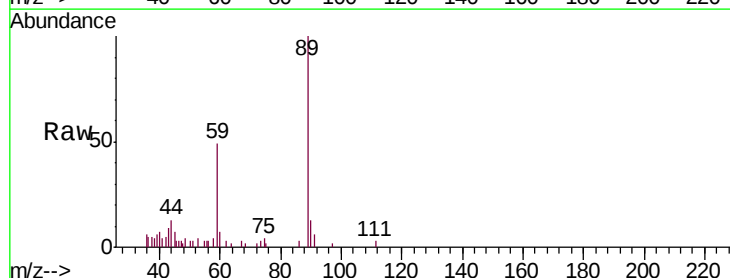
Acq: 02 Aug 2019 18:27

Tgt Ion: 59 Resp: 2998

Ion Ratio Lower Upper

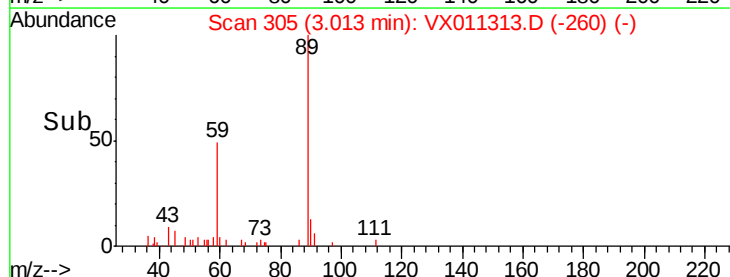
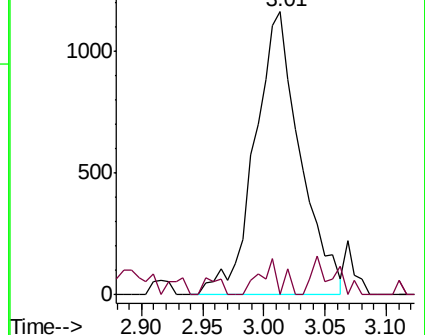
59 100

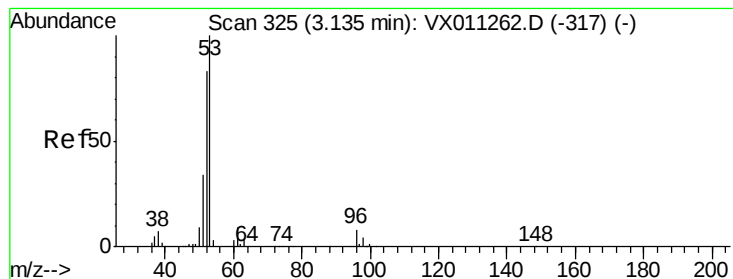
57 5.6 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#15

Acrylonitrile

Concen: 0.271 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011313.D

Acq: 02 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

Z3-0700

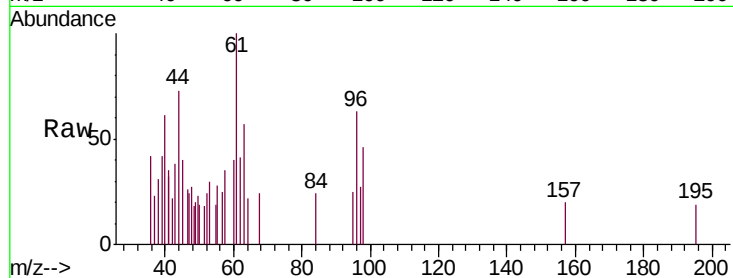
Tgt Ion: 53 Resp: 181

Ion Ratio Lower Upper

53 100

52 35.4 65.5 98.3#

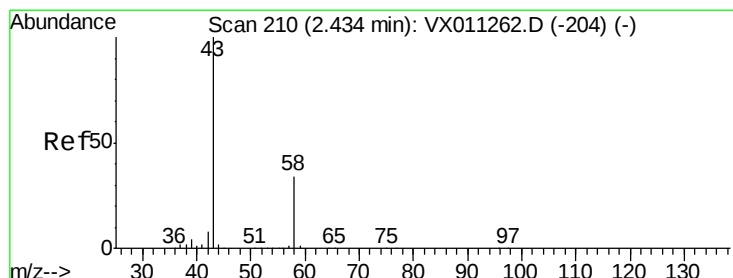
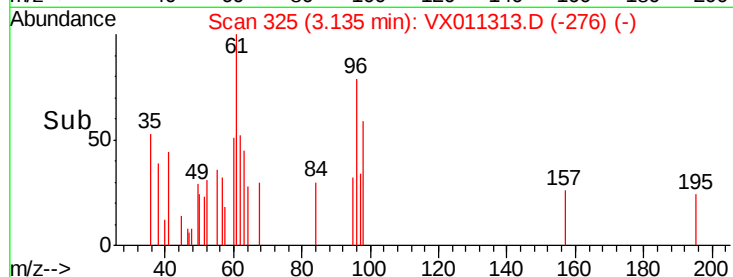
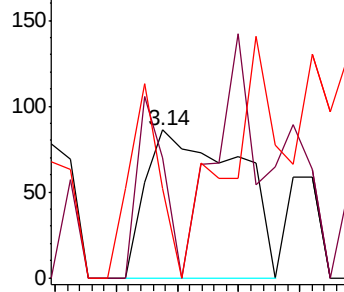
51 43.6 27.9 41.9#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 2.860 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011313.D

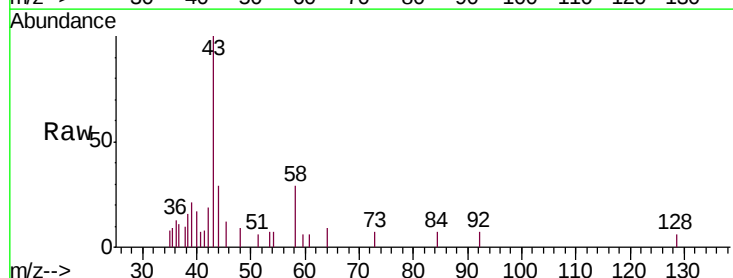
Acq: 02 Aug 2019 18:27

Tgt Ion: 43 Resp: 1909

Ion Ratio Lower Upper

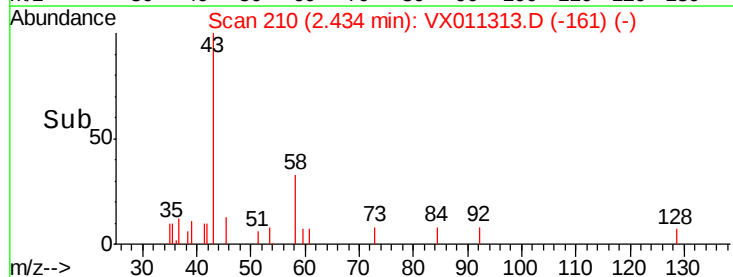
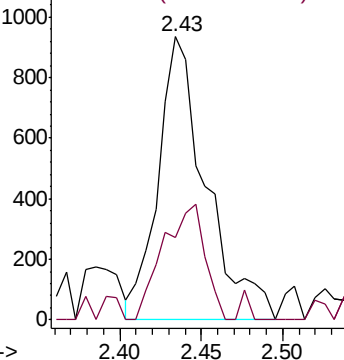
43 100

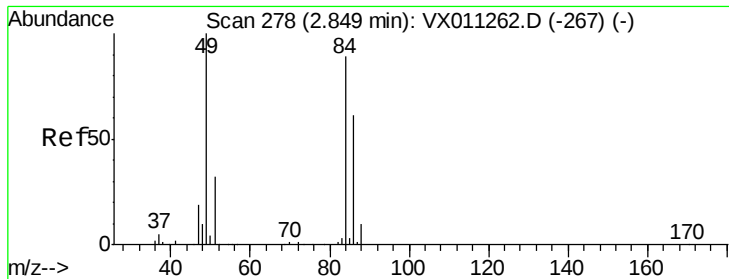
58 29.1 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

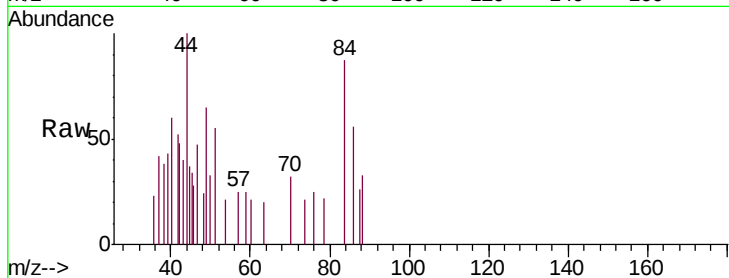




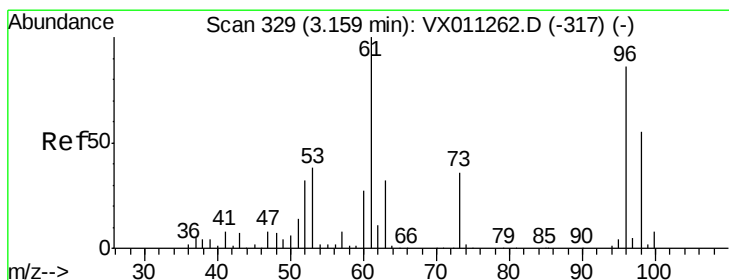
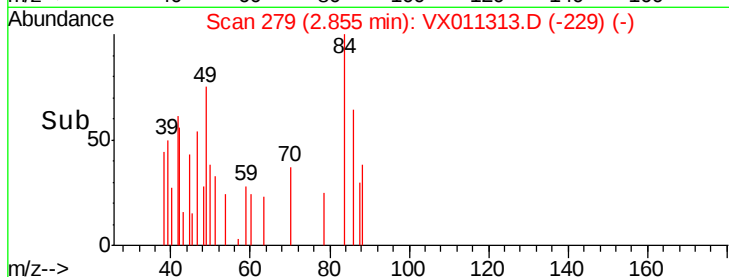
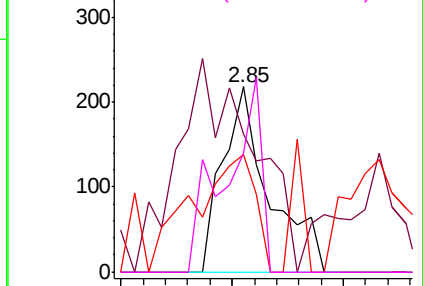
#20
Methylene Chloride
Concen: 0.218 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX011313.D
Acq: 02 Aug 2019 18:27

Instrument :
MSVOA_X
ClientSampleId :
Z3-0700

Tgt Ion: 84 Resp: 318
Ion Ratio Lower Upper
84 100
49 45.9 89.3 133.9#
51 22.5 28.3 42.5#
86 64.2 54.5 81.7

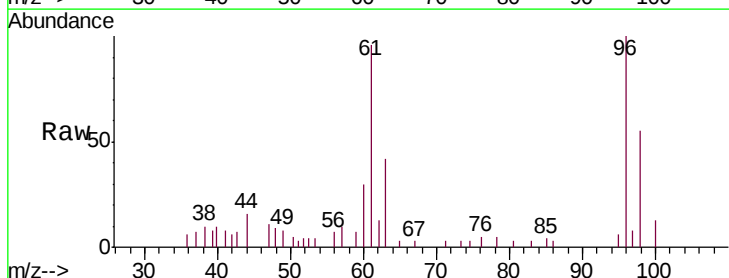


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

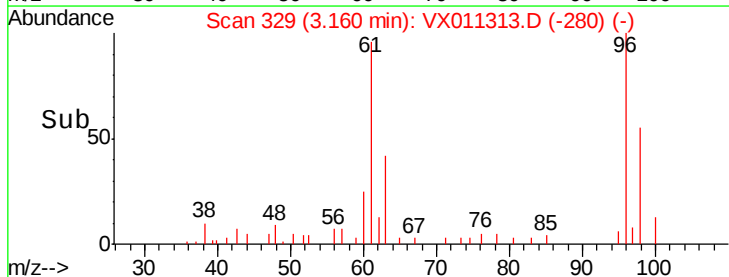
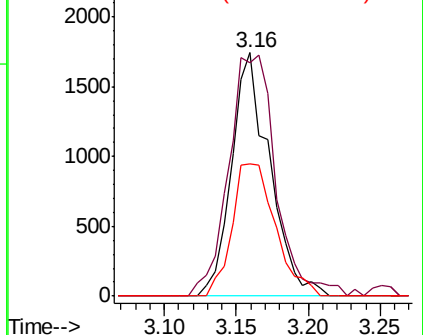


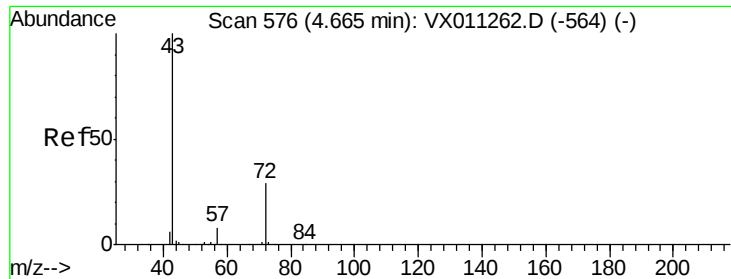
#21
trans-1,2-Dichloroethene
Concen: 2.399 ug/l
RT: 3.16 min Scan# 329
Delta R.T. 0.00 min
Lab File: VX011313.D
Acq: 02 Aug 2019 18:27

Tgt Ion: 96 Resp: 3216
Ion Ratio Lower Upper
96 100
61 95.9 92.8 139.2
98 54.6 51.2 76.8



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





#25

2-Butanone

Concen: 0.396 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.02 min

Lab File: VX011313.D

Acq: 02 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampled :

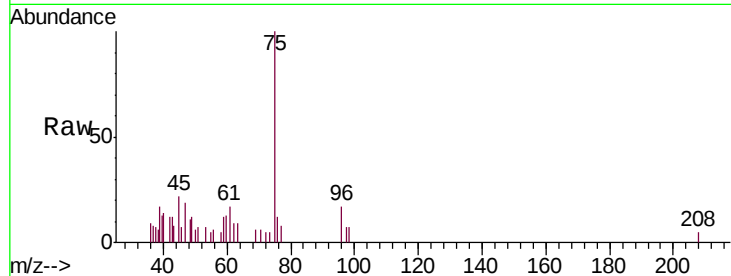
Z3-0700

Tgt Ion: 43 Resp: 376

Ion Ratio Lower Upper

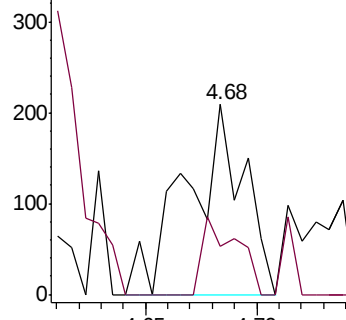
43 100

72 25.4 23.2 34.8

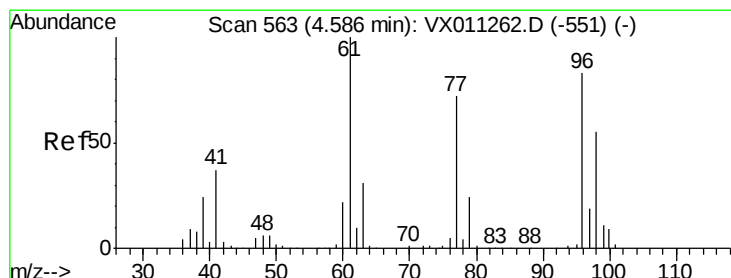
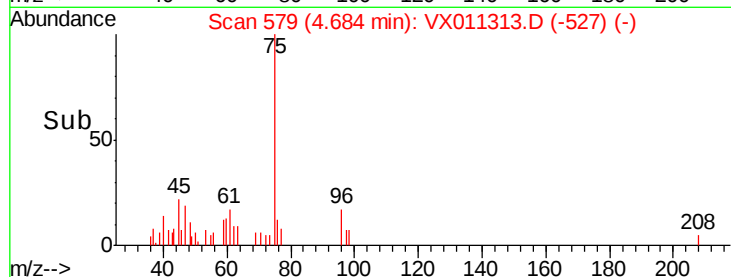


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#27

cis-1,2-Dichloroethene

Concen: 93.725 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX011313.D

Acq: 02 Aug 2019 18:27

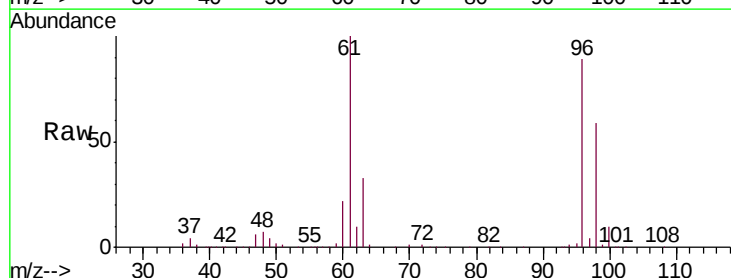
Tgt Ion: 96 Resp: 144696

Ion Ratio Lower Upper

96 100

61 111.5 0.0 260.2

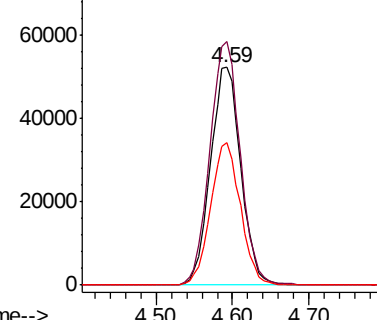
98 64.1 0.0 133.2



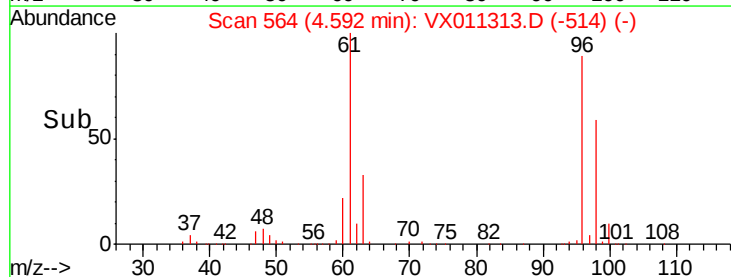
Abundance Ion 95.90 (95.60 to 96.60): VX0

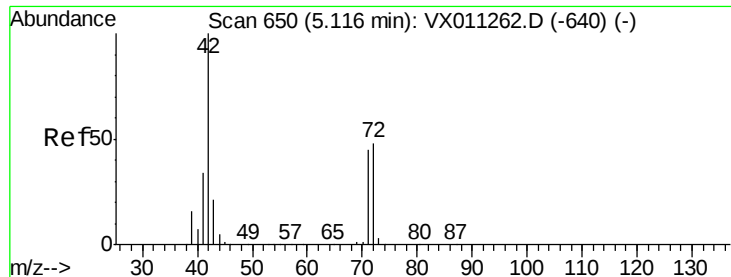
Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time-->

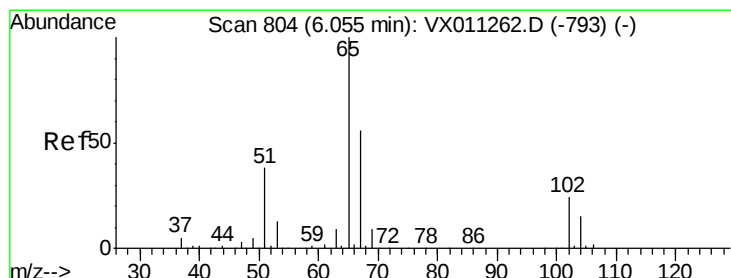
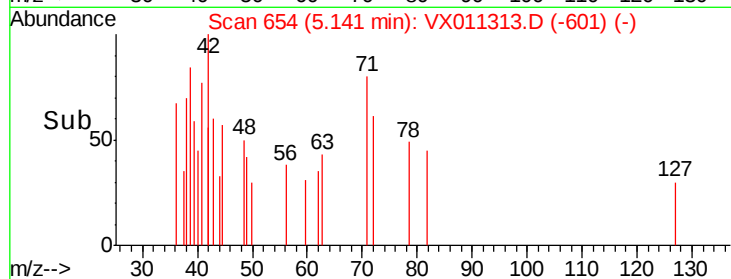
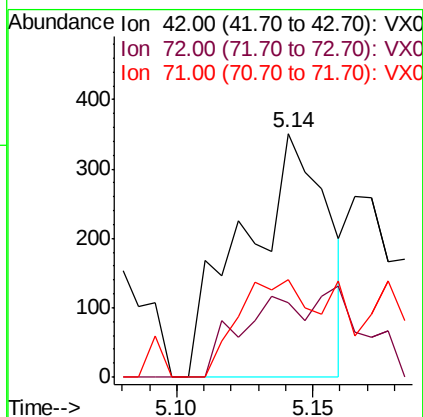
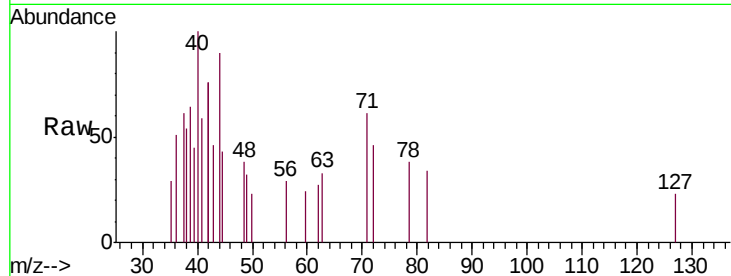




#29
Tetrahydrofuran
Concen: 1.276 ug/l
RT: 5.14 min Scan# 654
Delta R.T. 0.02 min
Lab File: VX011313.D
Acq: 02 Aug 2019 18:27

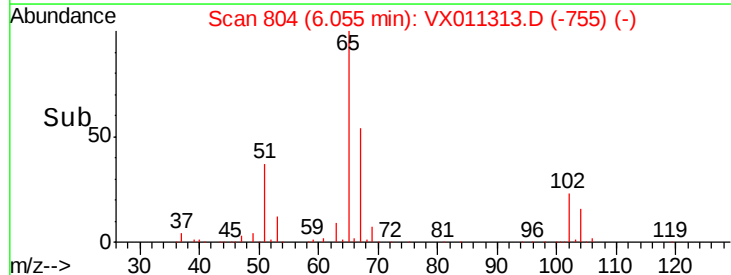
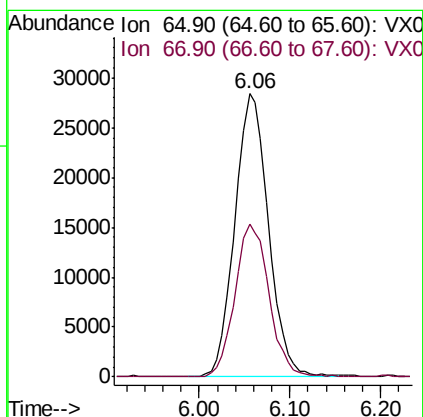
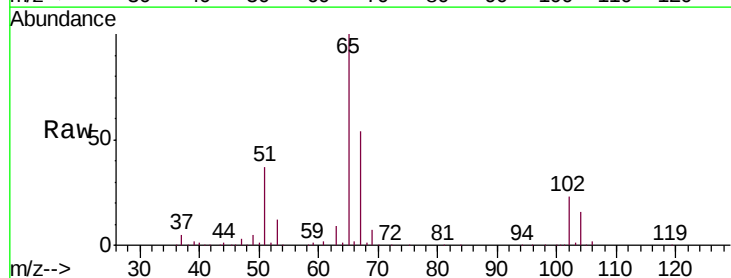
Instrument :
MSVOA_X
ClientSampled :
Z3-0700

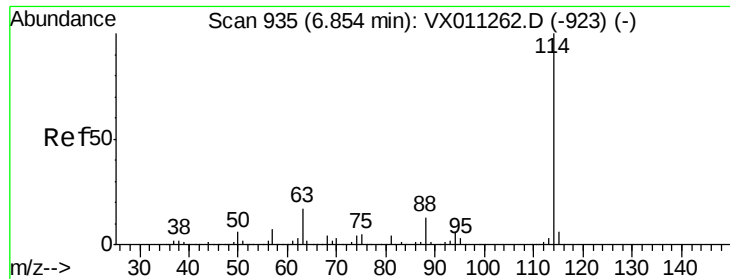
Tgt Ion: 42 Resp: 743
Ion Ratio Lower Upper
42 100
72 26.0 39.9 59.9#
71 35.9 36.9 55.3#



#33
1,2-Dichloroethane-d4
Concen: 52.140 ug/l
RT: 6.06 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX011313.D
Acq: 02 Aug 2019 18:27

Tgt Ion: 65 Resp: 73123
Ion Ratio Lower Upper
65 100
67 55.1 0.0 110.6

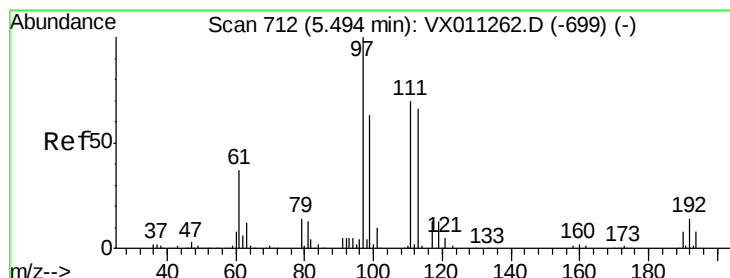
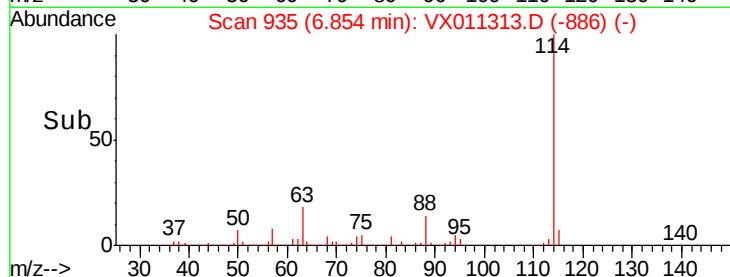
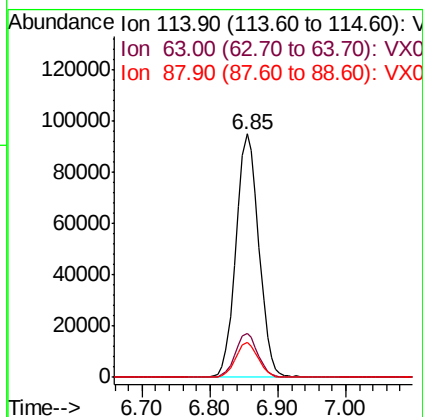
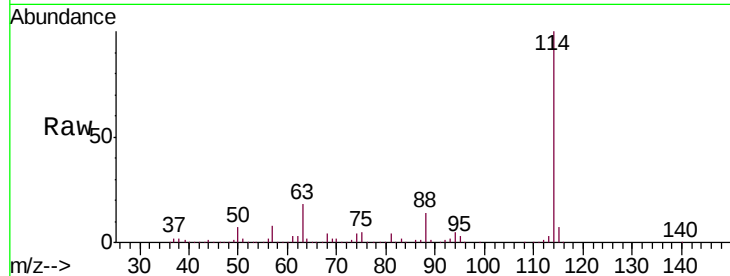




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011313.D
 Acq: 02 Aug 2019 18:27

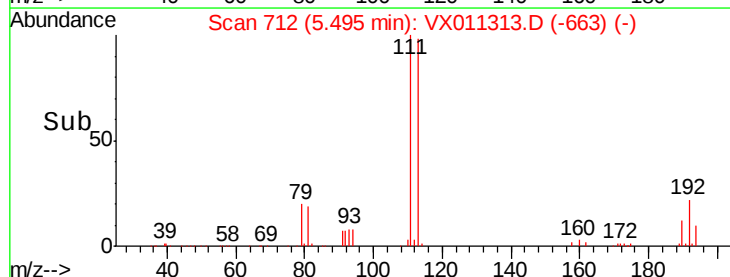
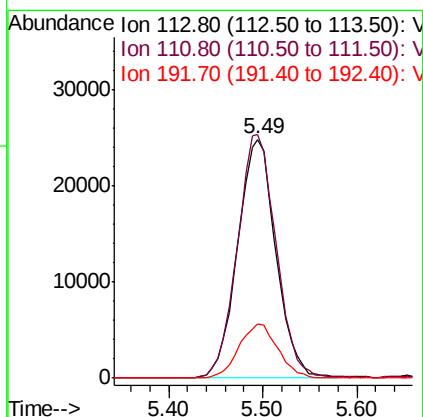
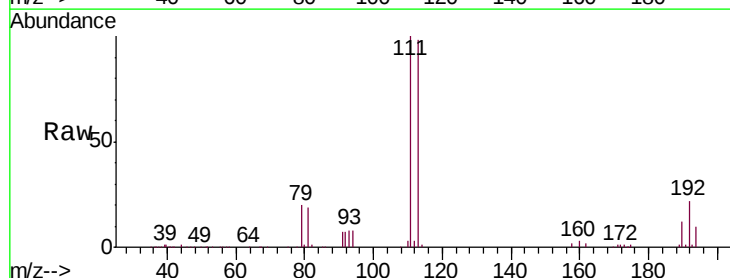
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0700

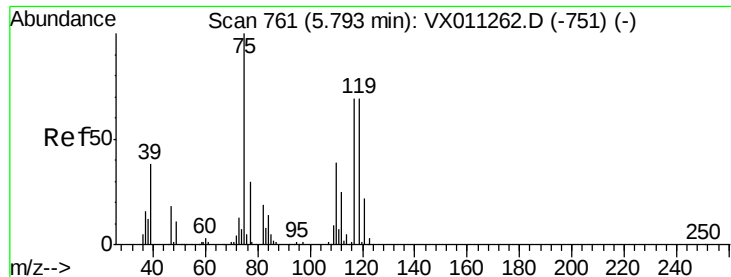
Tgt Ion:114 Resp: 221629
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 34.0
 88 14.3 0.0 26.4



#35
 Dibromofluoromethane
 Concen: 48.820 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011313.D
 Acq: 02 Aug 2019 18:27

Tgt Ion:113 Resp: 70641
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.9 122.9
 192 23.0 17.8 26.8

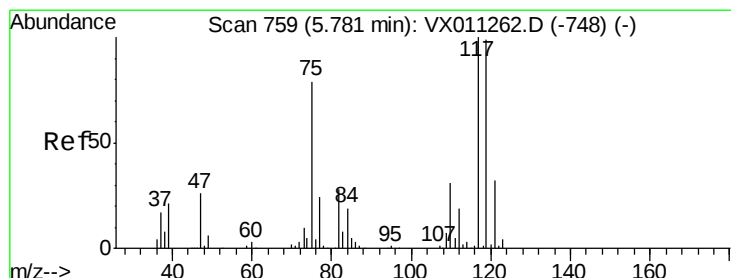
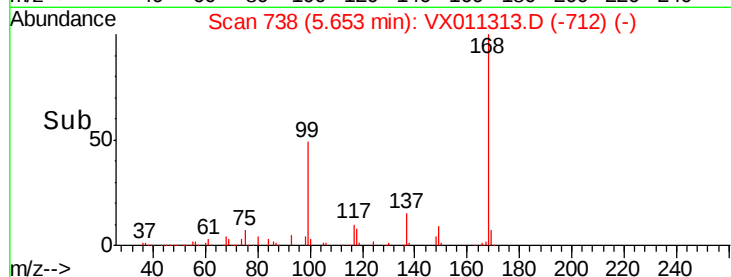
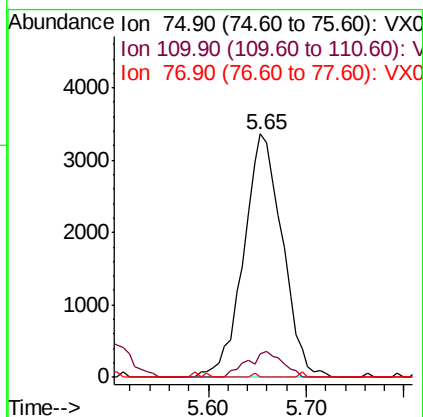
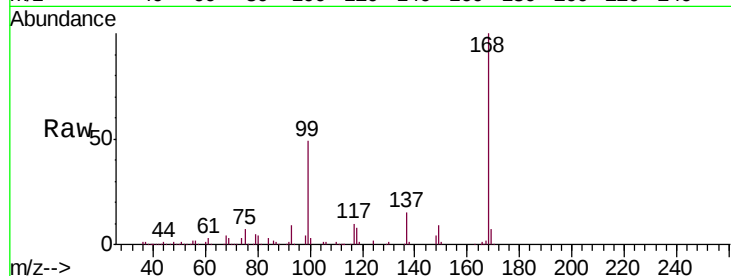




#36
 1,1-Dichloropropene
 Concen: 4.762 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011313.D
 Acq: 02 Aug 2019 18:27

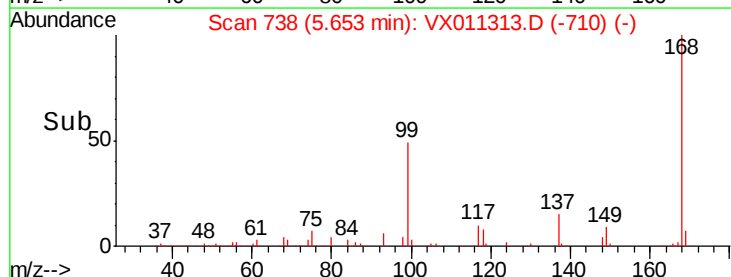
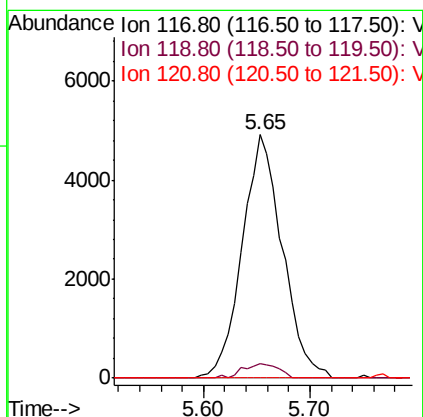
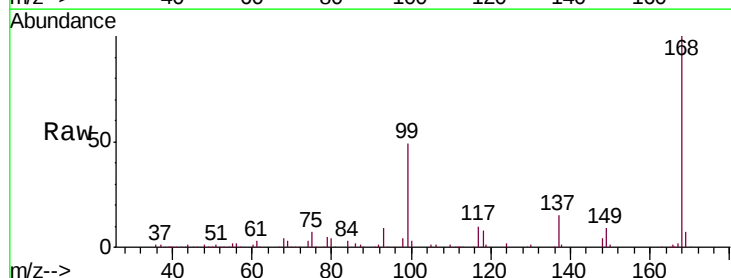
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0700

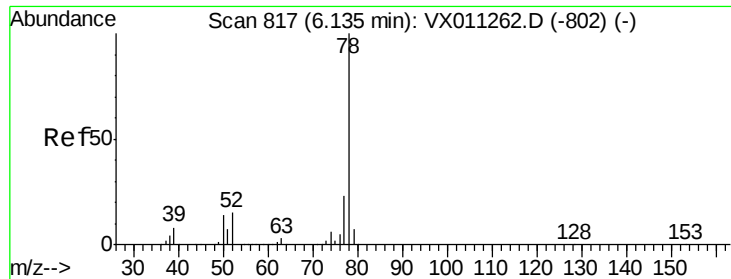
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	20.0	59.9#
77	0.2	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.663 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX011313.D
 Acq: 02 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	79.0	118.4#
121	0.0	25.9	38.9#





#40

Benzene

Concen: 0.682 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX011313.D

Acq: 02 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

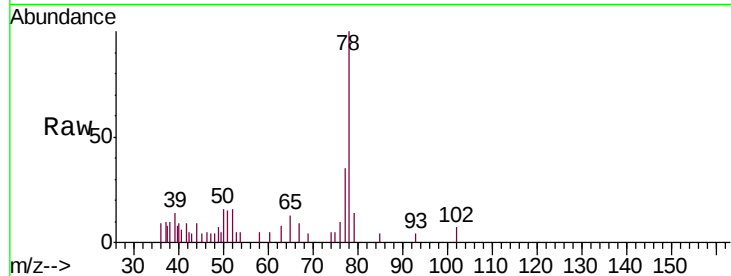
Z3-0700

Tgt Ion: 78 Resp: 3939

Ion Ratio Lower Upper

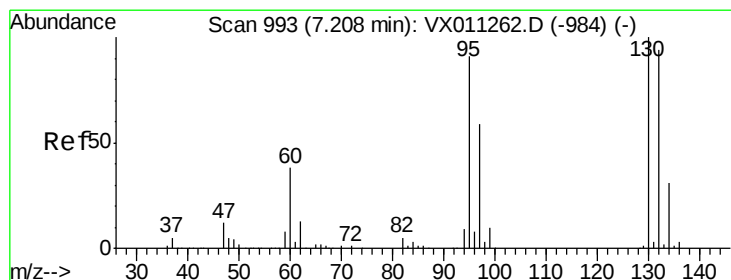
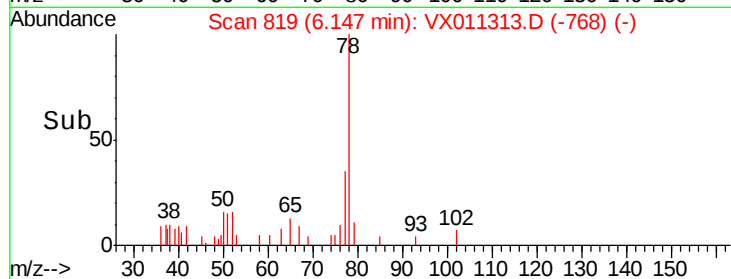
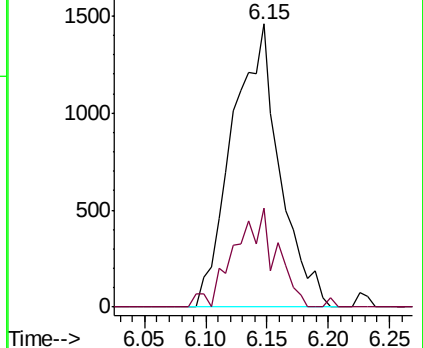
78 100

77 35.2 18.2 27.2#



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#44

Trichloroethene

Concen: 0.296 ug/l

RT: 7.21 min Scan# 993

Delta R.T. 0.00 min

Lab File: VX011313.D

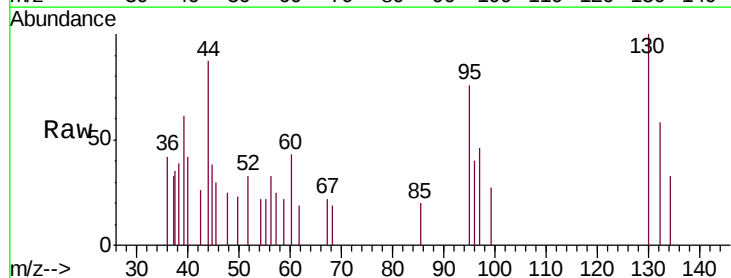
Acq: 02 Aug 2019 18:27

Tgt Ion: 130 Resp: 517

Ion Ratio Lower Upper

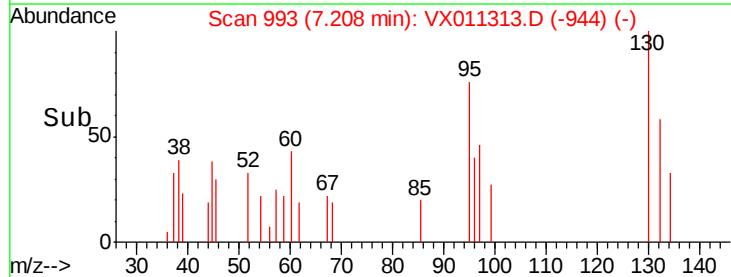
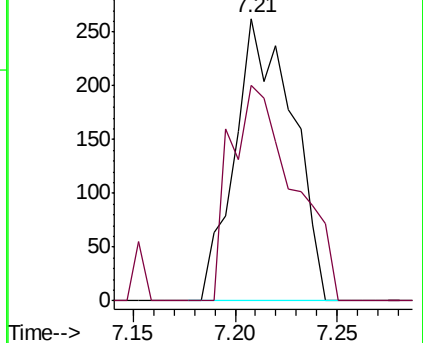
130 100

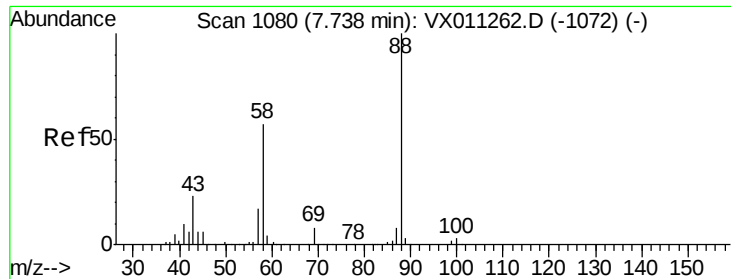
95 76.0 0.0 182.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

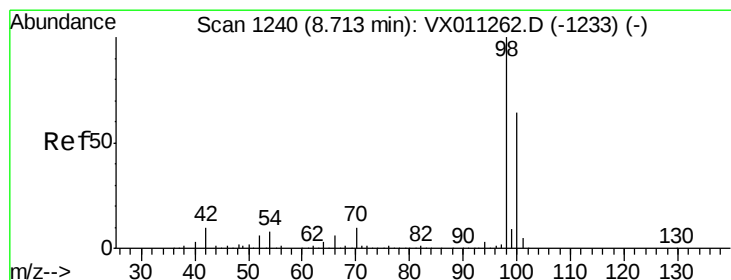
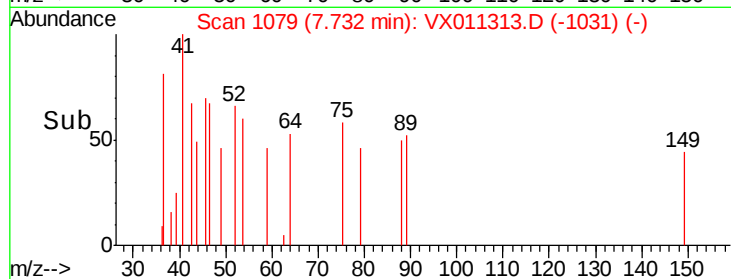
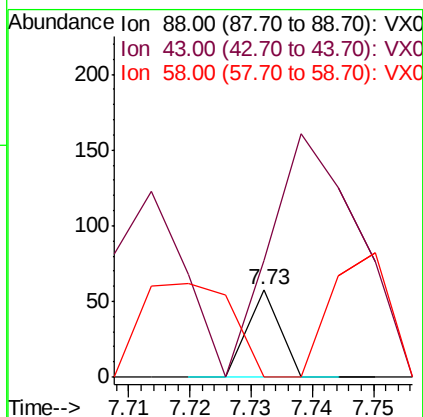
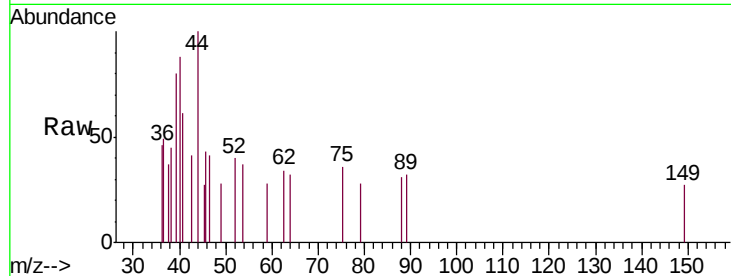




#49
1,4-Dioxane
Concen: 0.496 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011313.D
Acq: 02 Aug 2019 18:27

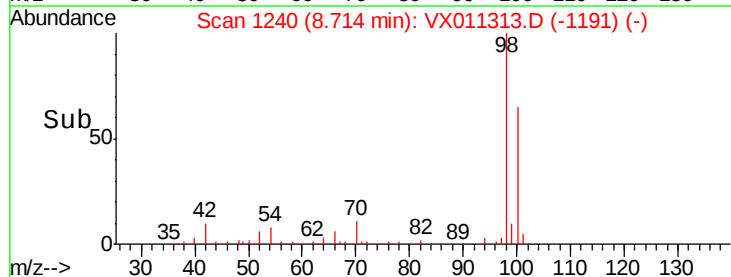
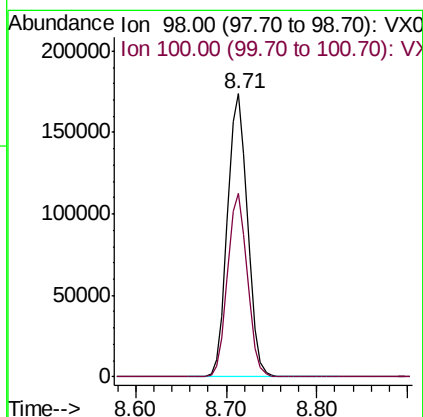
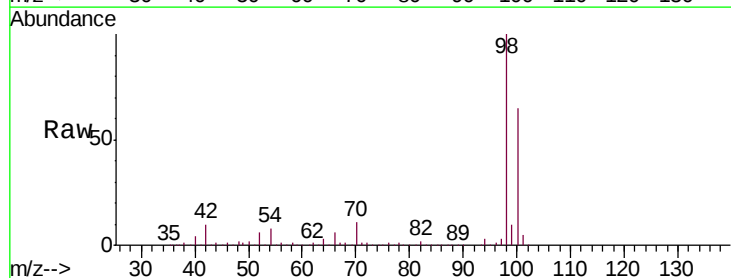
Instrument :
MSVOA_X
ClientSampleID :
Z3-0700

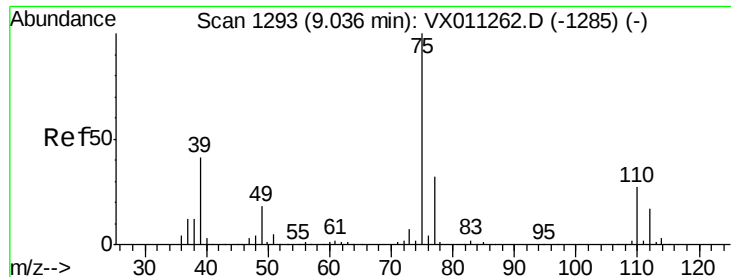
Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 766.7 22.2 33.2#
58 257.1 47.8 71.8#



#50
Toluene-d8
Concen: 49.094 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011313.D
Acq: 02 Aug 2019 18:27

Tgt Ion: 98 Resp: 268147
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5

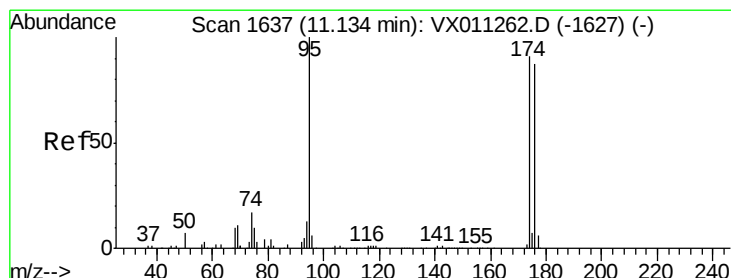
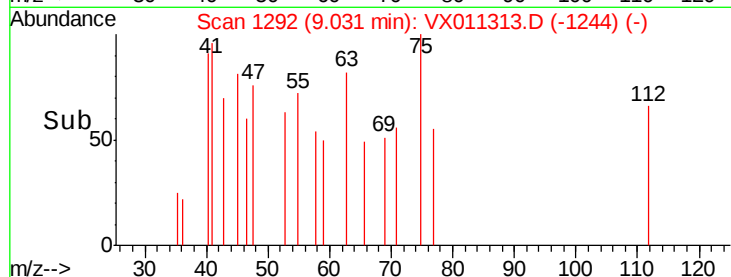
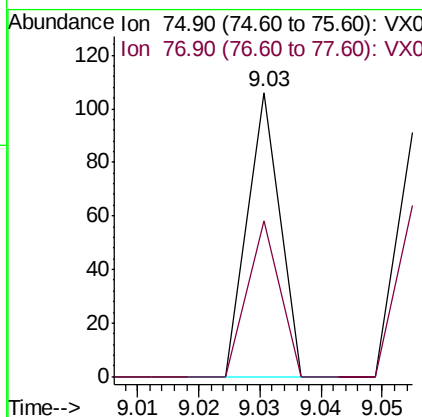
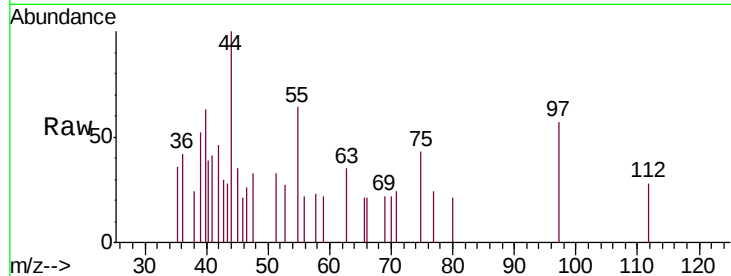




#53
t-1,3-Dichloropropene
Concen: 2.856 ug/l
RT: 9.03 min Scan# 1292
Delta R.T. -0.01 min
Lab File: VX011313.D
Acq: 02 Aug 2019 18:27

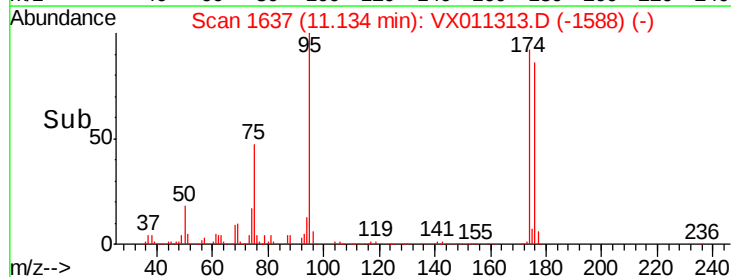
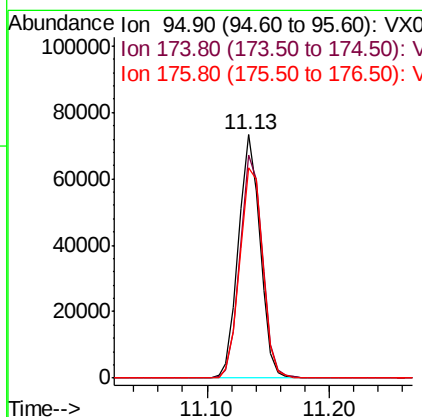
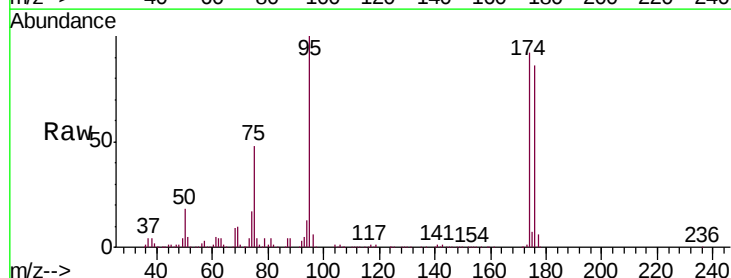
Instrument :
MSVOA_X
ClientSampleId :
Z3-0700

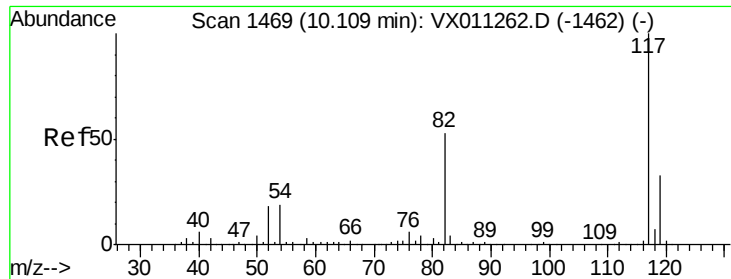
Tgt Ion: 75 Resp: 39
Ion Ratio Lower Upper
75 100
77 54.7 25.4 38.0#



#62
4-Bromofluorobenzene
Concen: 45.942 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011313.D
Acq: 02 Aug 2019 18:27

Tgt Ion: 95 Resp: 89588
Ion Ratio Lower Upper
95 100
174 94.8 0.0 191.2
176 91.5 0.0 184.8

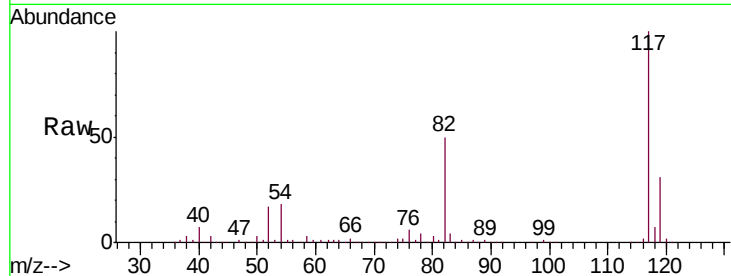




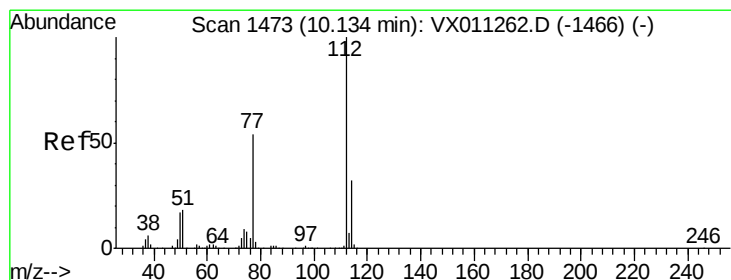
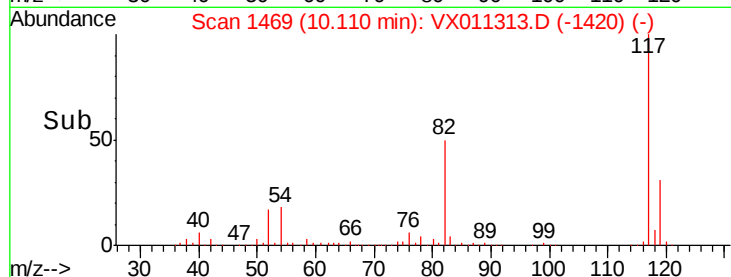
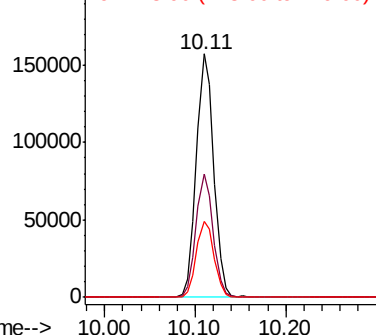
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011313.D
Acq: 02 Aug 2019 18:27

Instrument :
MSVOA_X
ClientSampled :
Z3-0700

Tgt Ion:117 Resp: 210732
Ion Ratio Lower Upper
117 100
82 50.4 42.2 63.2
119 31.4 26.6 39.8

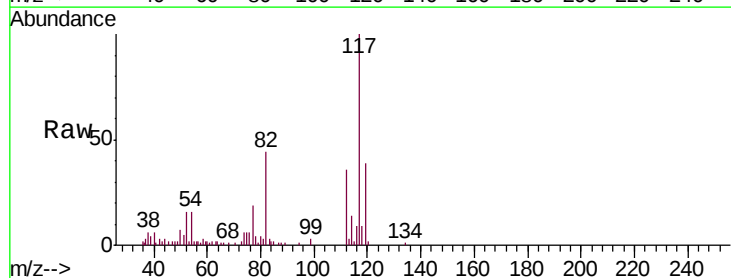


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

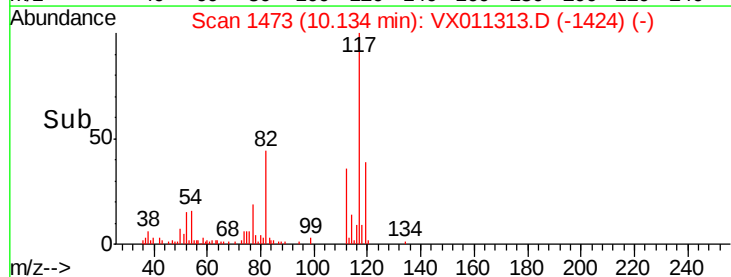
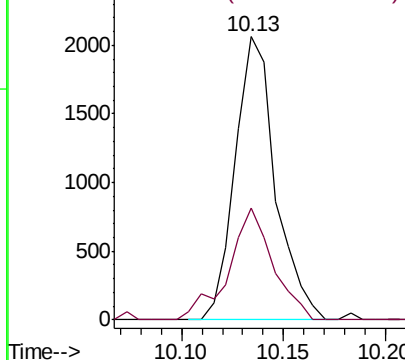


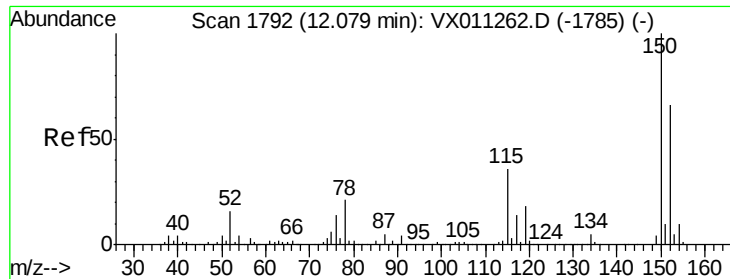
#65
Chlorobenzene
Concen: 0.625 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011313.D
Acq: 02 Aug 2019 18:27

Tgt Ion:112 Resp: 2824
Ion Ratio Lower Upper
112 100
114 39.3 25.9 38.9#



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): 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: VX011313.D

Acq: 02 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

Z3-0700

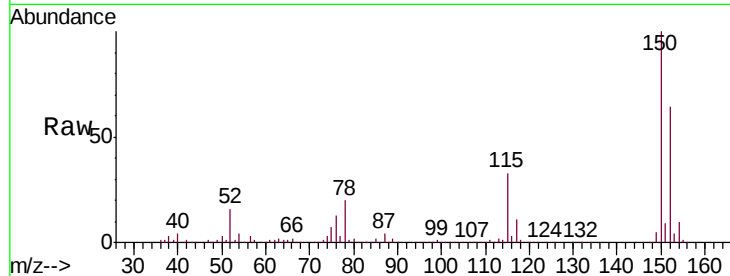
Tgt Ion:152 Resp: 94076

Ion Ratio Lower Upper

152 100

115 54.5 40.0 119.9

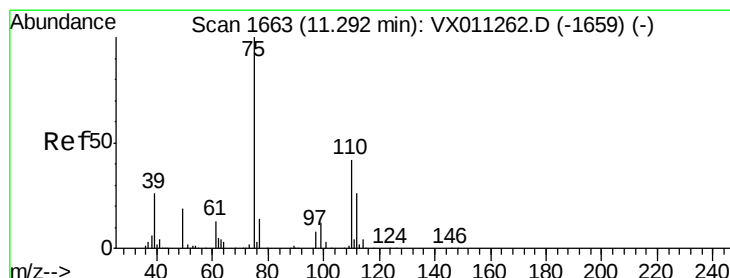
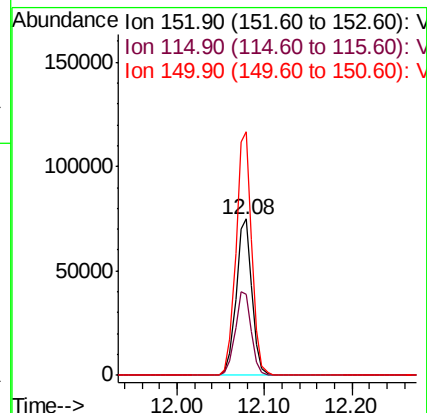
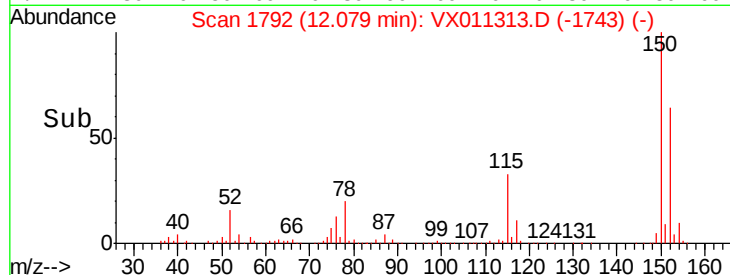
150 156.2 0.0 350.4



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: 25.493 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011313.D

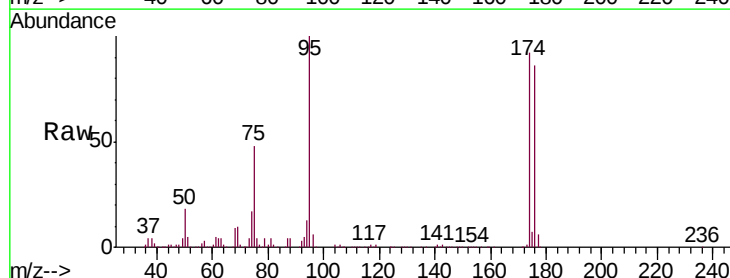
Acq: 02 Aug 2019 18:27

Tgt Ion: 75 Resp: 43675

Ion Ratio Lower Upper

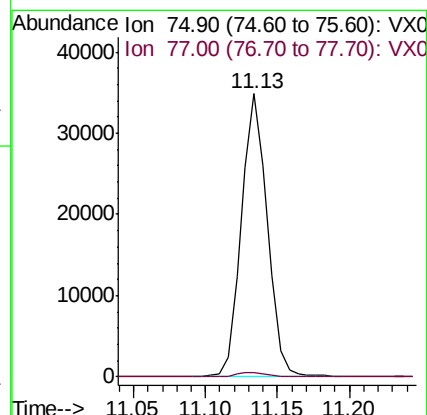
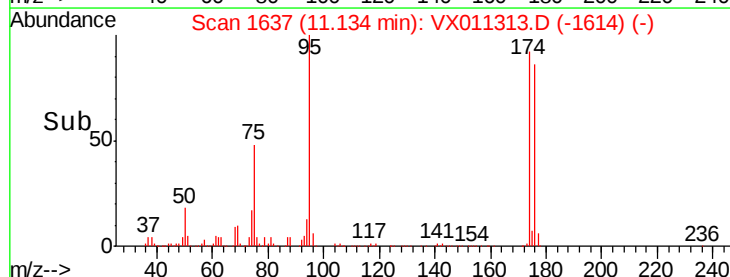
75 100

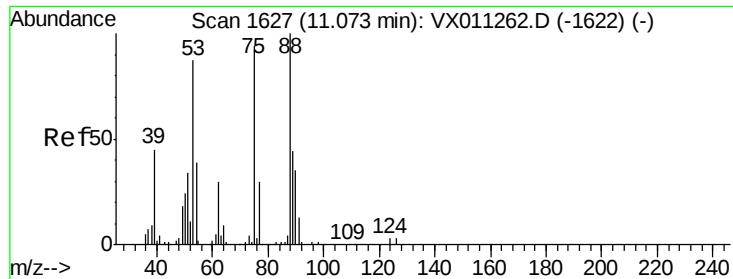
77 1.7 21.1 63.4#



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: 66.436 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011313.D

Acq: 02 Aug 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

Z3-0700

Tgt Ion: 75 Resp: 43675

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.4#

89 0.0 37.9 56.9#

