

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120919\
 Data File : VX013882.D
 Acq On : 10 Dec 2019 04:14
 Operator : JC/SP
 Sample : K6186-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-GAC1-IDW01

Quant Time: Dec 12 08:20:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	607270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	930370	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	831515	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	368849	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	338977	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	
35) Dibromofluoromethane	5.49	113	280175	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
50) Toluene-d8	8.71	98	1095547	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
62) 4-Bromofluorobenzene	11.14	95	362992	44.92	ug/l	0.00
Spiked Amount			Recovery	=	89.84%	

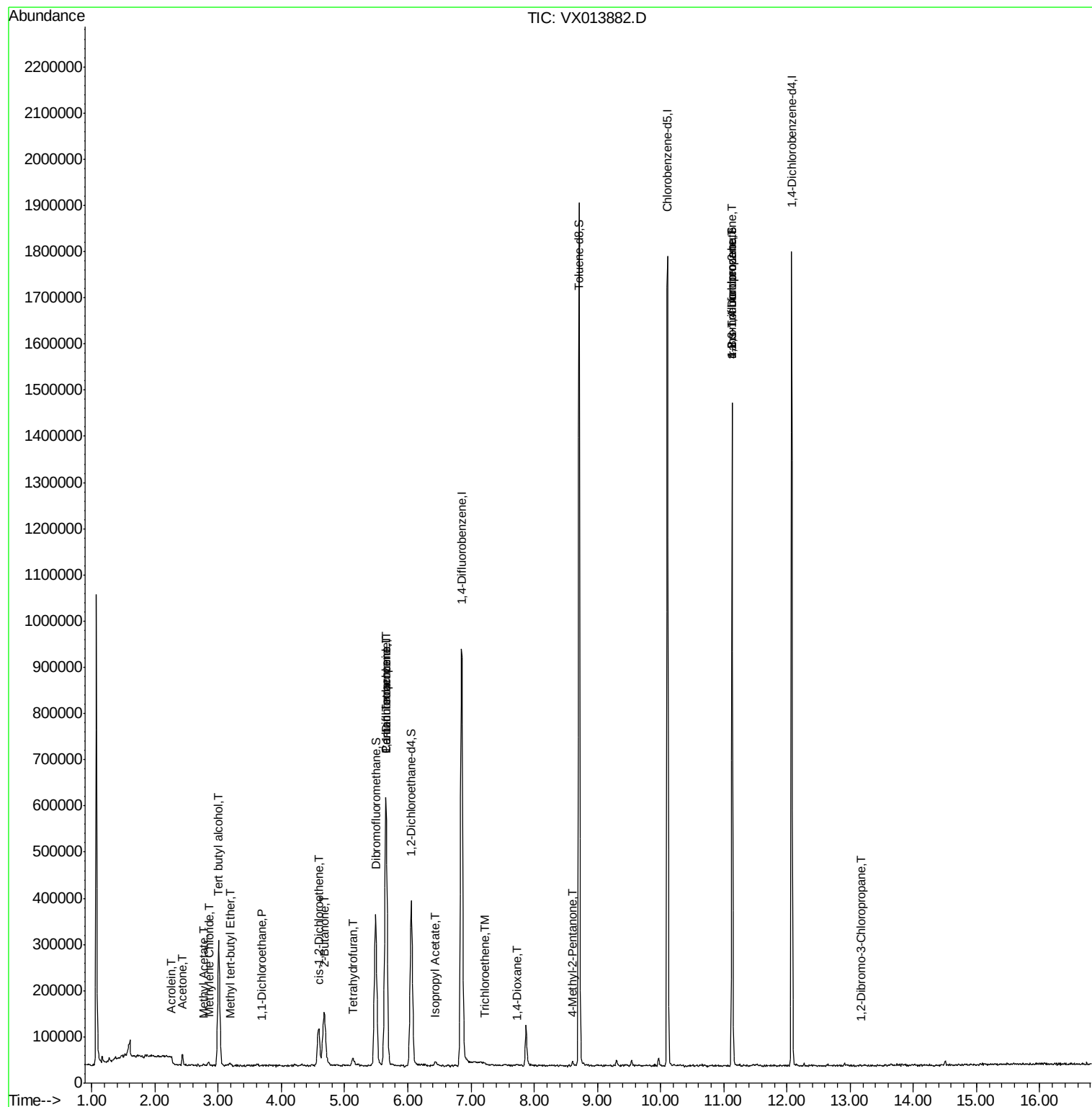
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	163879	94.187	ug/l #	79
13) Acrolein	2.27	56	427	6.362	ug/l	94
16) Acetone	2.44	43	26563	7.633	ug/l	97
18) Methyl Acetate	2.76	43	3996	0.412	ug/l	91
19) Methyl tert-butyl Ether	3.19	73	6537	0.341	ug/l #	82
20) Methylene Chloride	2.85	84	4623	0.691	ug/l #	78
24) 1,1-Dichloroethane	3.69	63	2408	0.218	ug/l #	68
25) 2-Butanone	4.67	43	9476	1.832	ug/l #	60
27) cis-1,2-Dichloroethene	4.59	96	54850	7.586	ug/l	90
29) Tetrahydrofuran	5.14	42	15241	4.780	ug/l #	91
36) 1,1-Dichloropropene	5.65	75	41903	4.962	ug/l #	50
38) Carbon Tetrachloride	5.65	117	54159	6.955	ug/l #	16
43) Isopropyl Acetate	6.44	43	13159	0.844	ug/l #	89
44) Trichloroethene	7.22	130	1449	0.205	ug/l	13
49) 1,4-Dioxane	7.74	88	445	2.623	ug/l #	56
51) 4-Methyl-2-Pentanone	8.61	43	7497	0.764	ug/l #	44
76) 1,2,3-Trichloropropane	11.14	75	180881	21.803	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	180881	59.650	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.18	75	418	0.214	ug/l	67

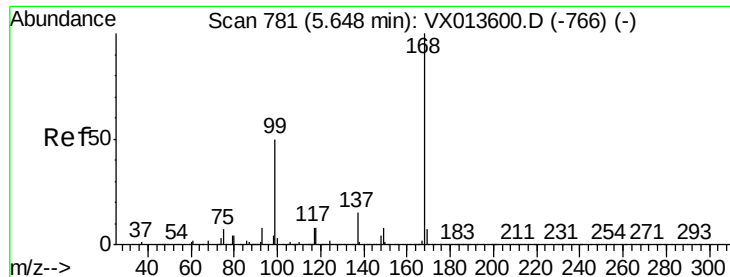
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120919\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013882.D

Acq: 10 Dec 2019 04:14

Instrument :

MSVOA_X

ClientSampleId :

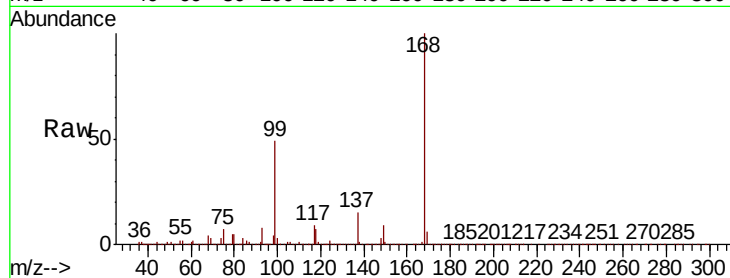
S32-GAC1-IDW01

Tot Ion:168 Resp: 607270

Ion Ratio Lower Upper

168 100

99 48.6 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

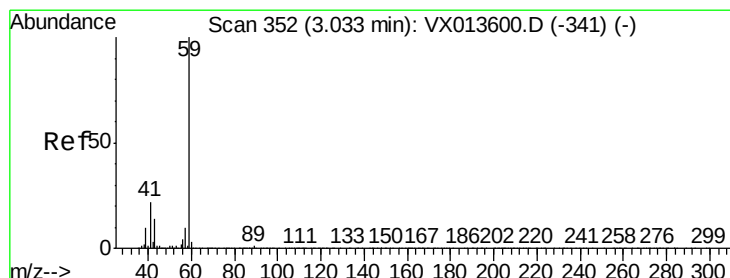
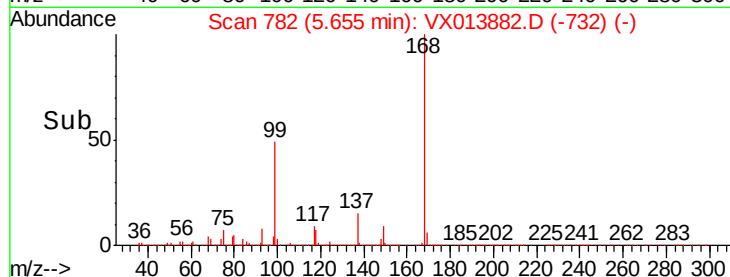
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 94.187 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX013882.D

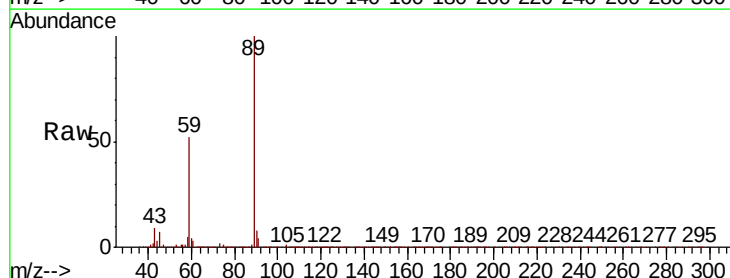
Acq: 10 Dec 2019 04:14

Tgt Ion: 59 Resp: 163879

Ion Ratio Lower Upper

59 100

57 1.9 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

80000

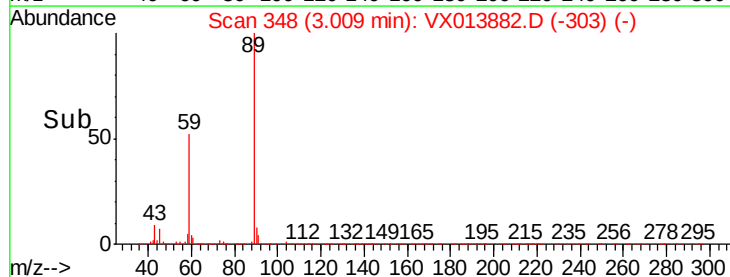
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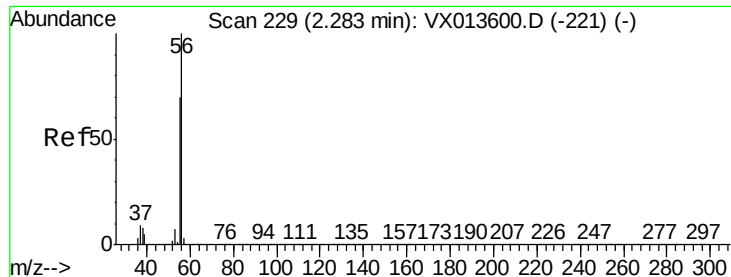
40000

20000

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Time-->





#13

Acrolein

Concen: 6.362 ug/l

RT: 2.27 min Scan# 227

Delta R.T. -0.01 min

Lab File: VX013882.D

Acq: 10 Dec 2019 04:14

Instrument :

MSVOA_X

ClientSampleId :

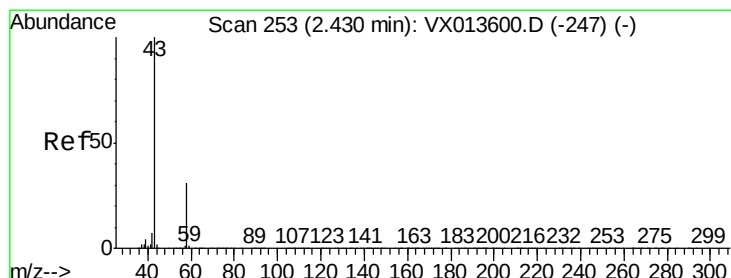
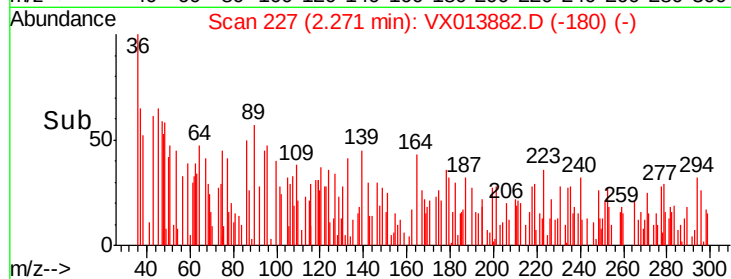
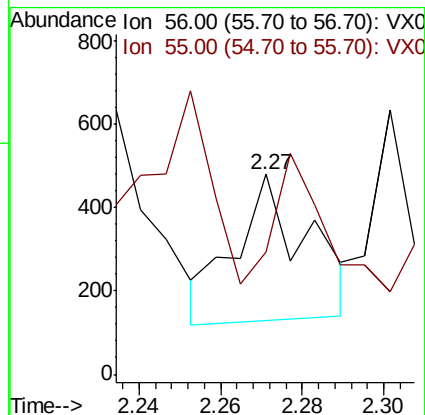
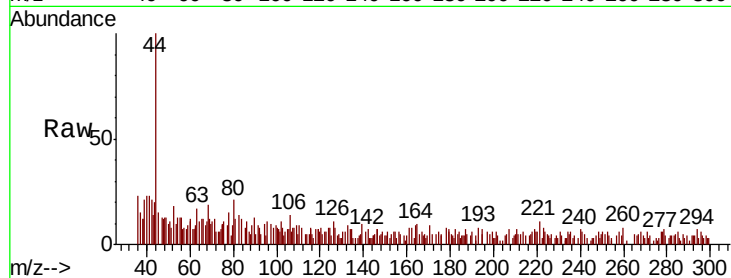
S32-GAC1-IDW01

Tot Ion: 56 Resp: 427

Ion Ratio Lower Upper

56 100

55 65.1 56.2 84.4



#16

Acetone

Concen: 7.633 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013882.D

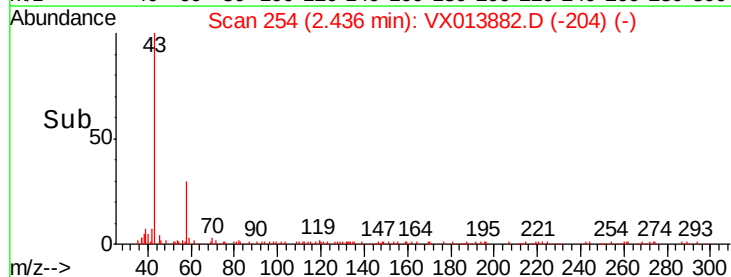
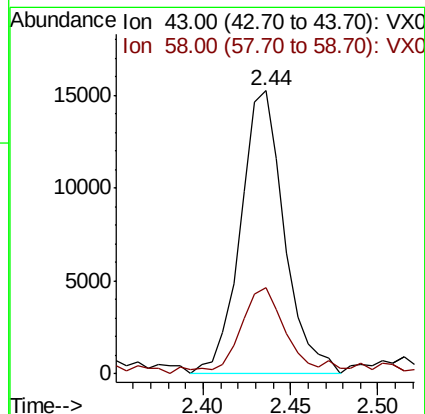
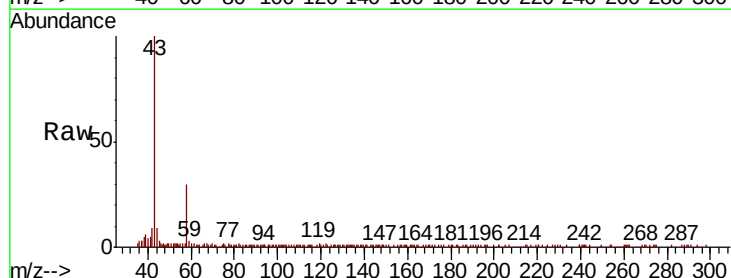
Acq: 10 Dec 2019 04:14

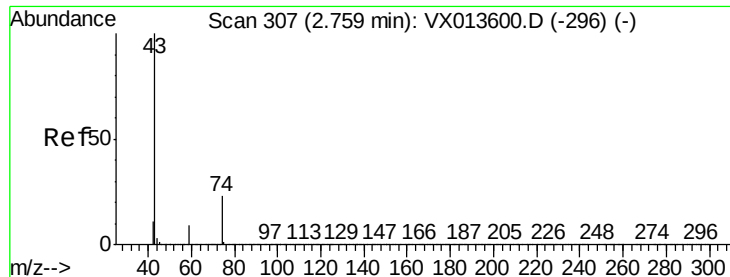
Tgt Ion: 43 Resp: 26563

Ion Ratio Lower Upper

43 100

58 29.0 24.6 36.8

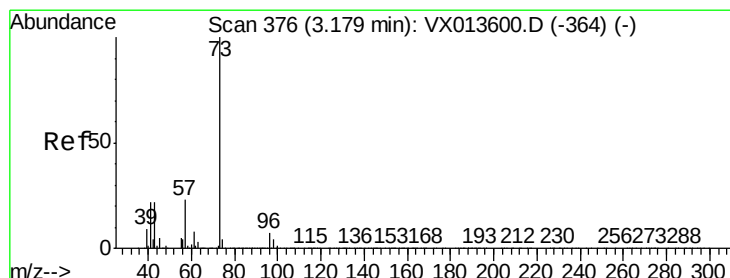
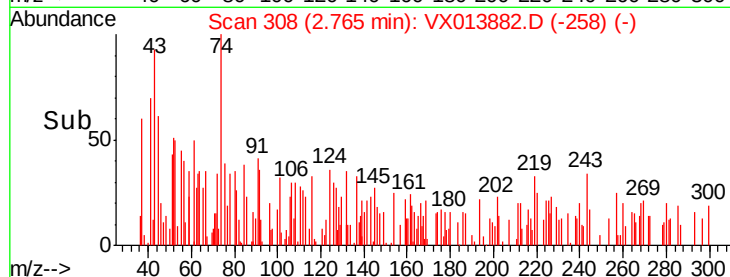
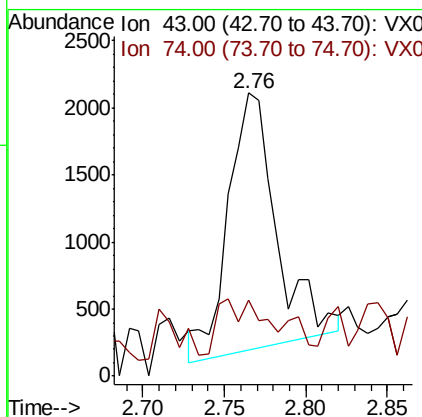
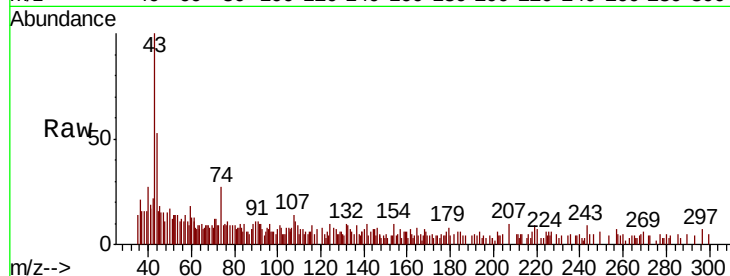




#18
Methyl Acetate
Concen: 0.412 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.01 min
Lab File: VX013882.D
Acq: 10 Dec 2019 04:14

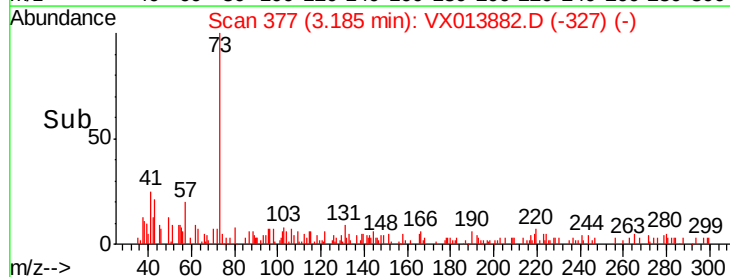
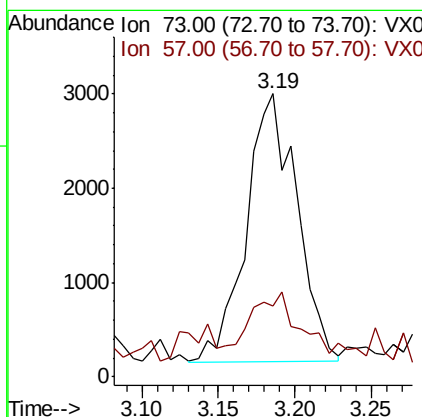
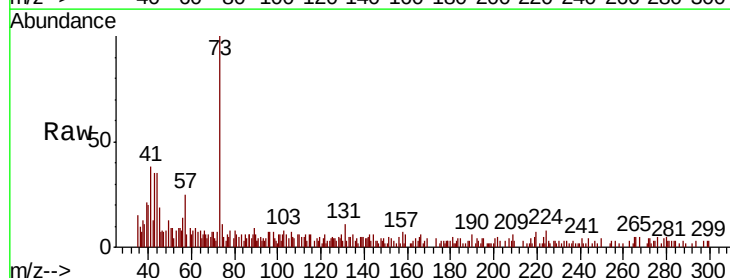
Instrument :
MSVOA_X
ClientSampleId :
S32-GAC1-IDW01

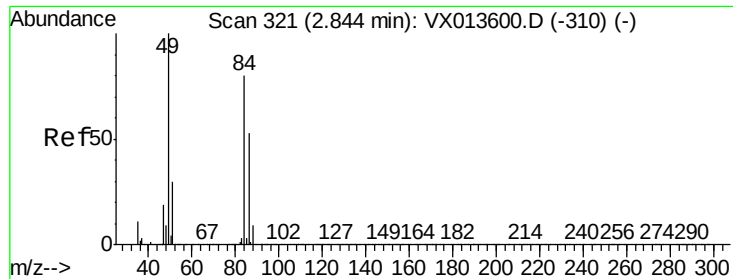
Tot Ion: 43 Resp: 3996
Ion Ratio Lower Upper
43 100
74 19.9 19.5 29.3



#19
Methyl tert-butyl Ether
Concen: 0.341 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.01 min
Lab File: VX013882.D
Acq: 10 Dec 2019 04:14

Tgt Ion: 73 Resp: 6537
Ion Ratio Lower Upper
73 100
57 14.2 18.3 27.5#

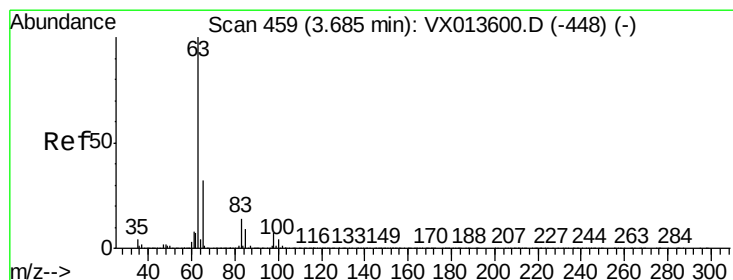
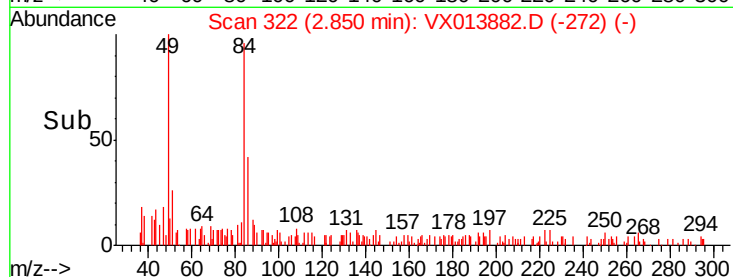
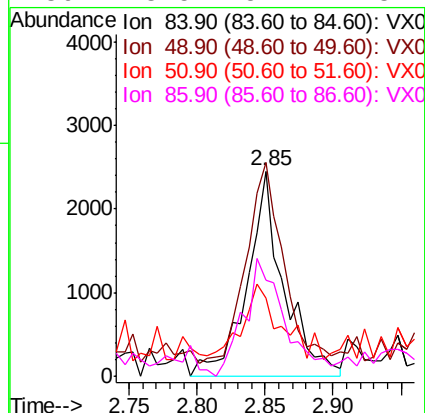
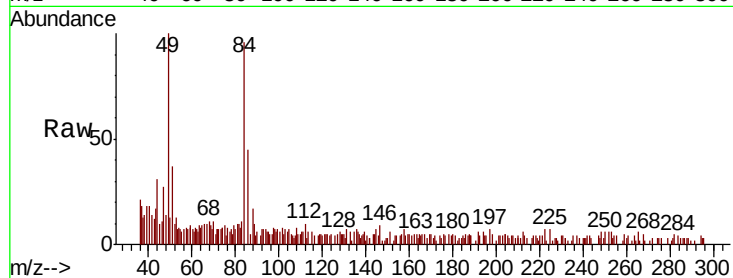




#20
Methylene Chloride
Concen: 0.691 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013882.D
Acq: 10 Dec 2019 04:14

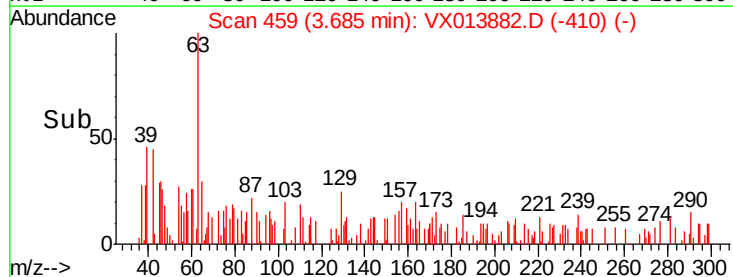
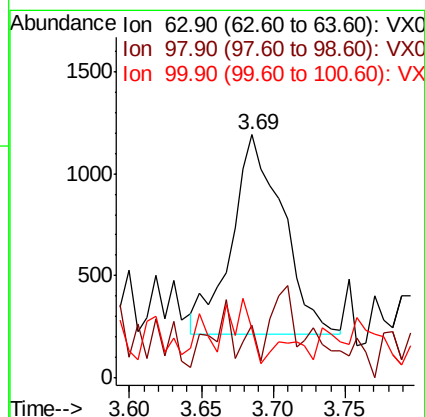
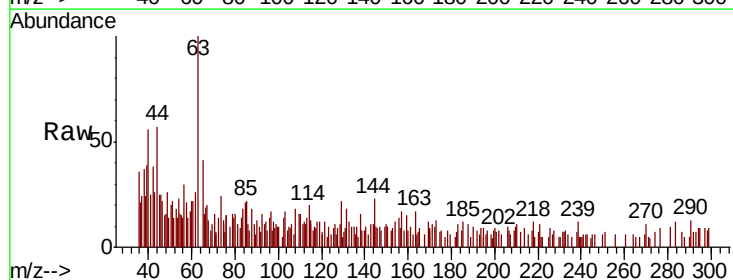
Instrument :
MSVOA_X
ClientSampleId :
S32-GAC1-IDW01

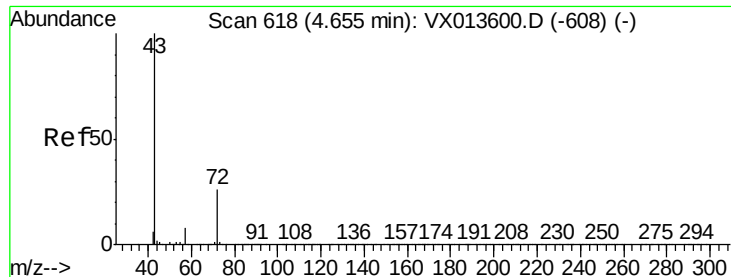
Tot Ion: 84 Resp: 4623
Ion Ratio Lower Upper
84 100
49 100.8 99.7 149.5
51 27.0 29.9 44.9#
86 43.5 52.2 78.4#



#24
1,1-Dichloroethane
Concen: 0.218 ug/l
RT: 3.69 min Scan# 459
Delta R.T. -0.00 min
Lab File: VX013882.D
Acq: 10 Dec 2019 04:14

Tgt Ion: 63 Resp: 2408
Ion Ratio Lower Upper
63 100
98 21.2 3.5 10.4#
100 9.7 2.1 6.3#





#25

2-Butanone

Concen: 1.832 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX013882.D

Acq: 10 Dec 2019 04:14

Instrument :

MSVOA_X

ClientSampleId :

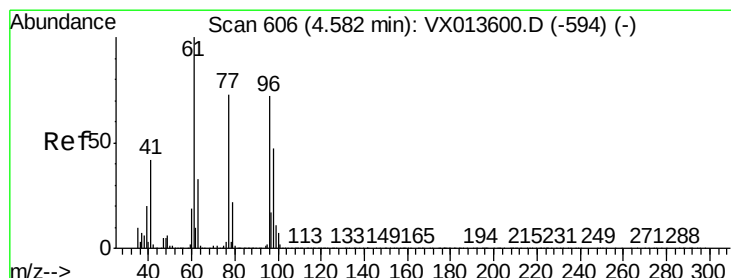
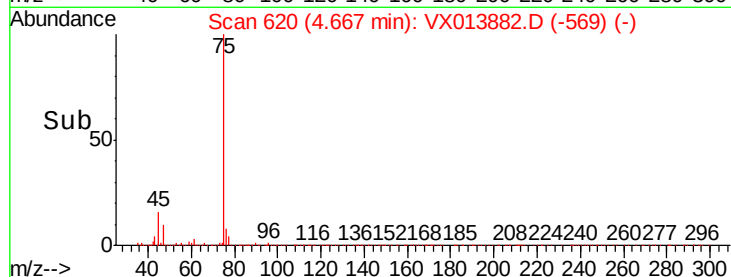
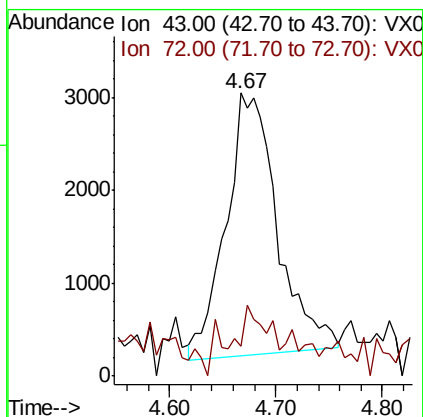
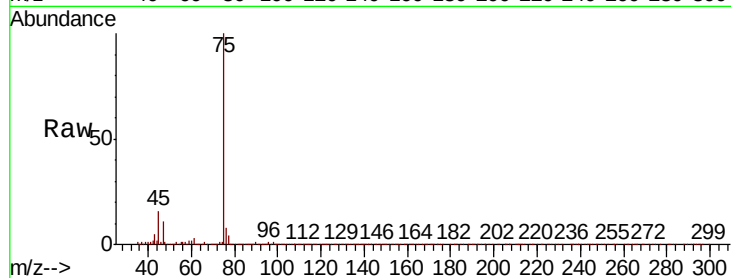
S32-GAC1-IDW01

Tot Ion: 43 Resp: 9476

Ion Ratio Lower Upper

43 100

72 5.7 20.6 31.0#



#27

cis-1,2-Dichloroethene

Concen: 7.586 ug/l

RT: 4.59 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX013882.D

Acq: 10 Dec 2019 04:14

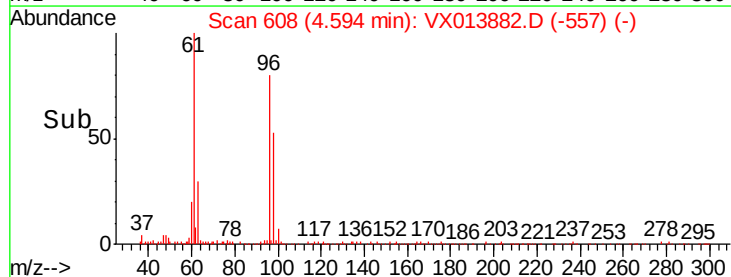
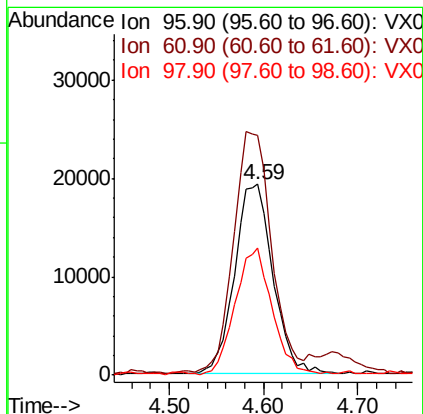
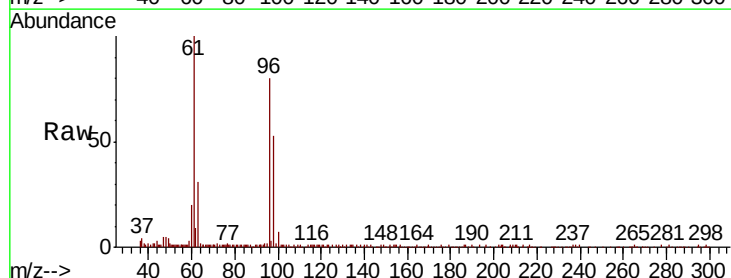
Tgt Ion: 96 Resp: 54850

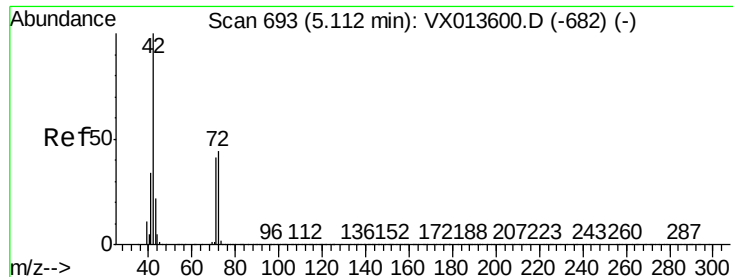
Ion Ratio Lower Upper

96 100

61 125.8 0.0 286.4

98 63.8 0.0 127.4

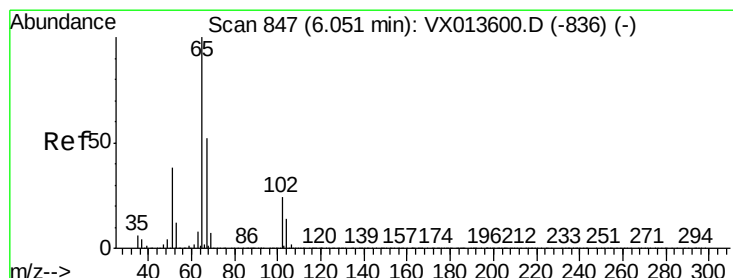
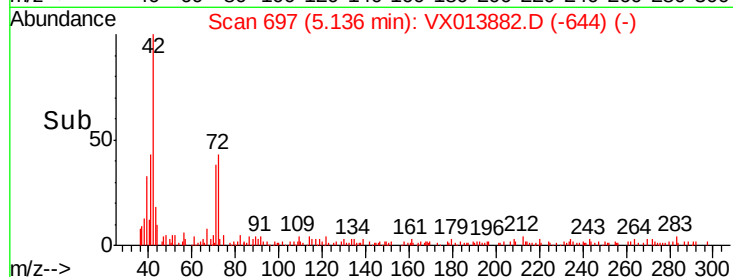
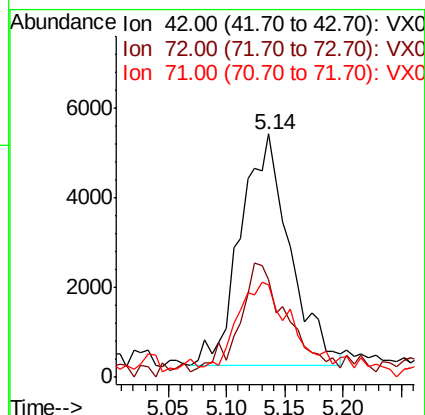
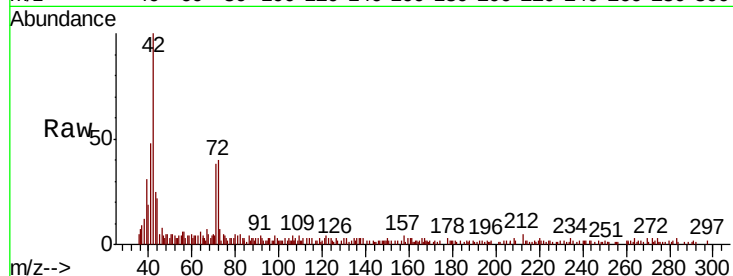




#29
Tetrahydrofuran
Concen: 4.780 ug/l
RT: 5.14 min Scan# 697
Delta R.T. 0.02 min
Lab File: VX013882.D
Acq: 10 Dec 2019 04:14

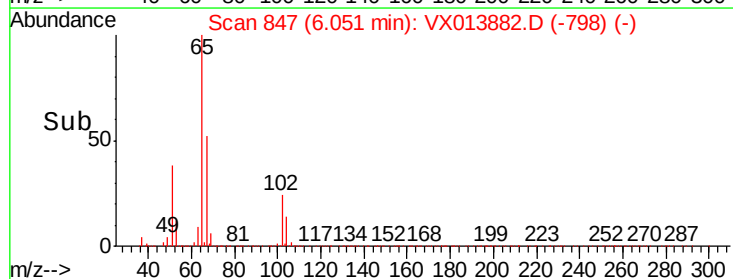
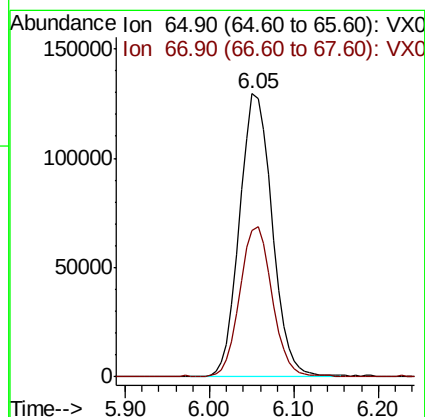
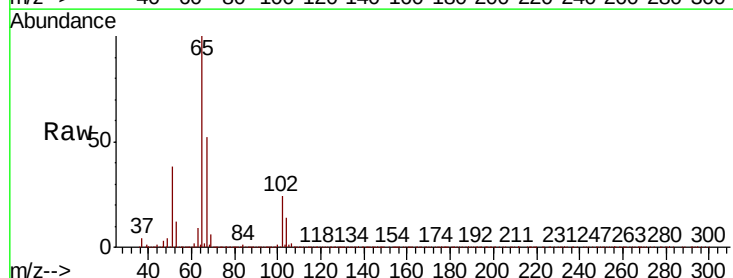
Instrument :
MSVOA_X
ClientSampleId :
S32-GAC1-IDW01

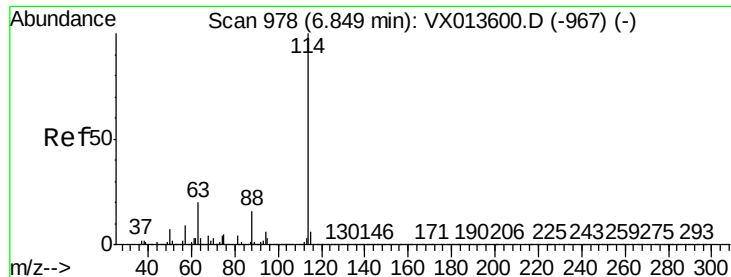
Tot Ion: 42 Resp: 15241
Ion Ratio Lower Upper
42 100
72 45.4 36.3 54.5
71 53.4 33.2 49.8#



#33
1,2-Dichloroethane-d4
Concen: 48.088 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX013882.D
Acq: 10 Dec 2019 04:14

Tgt Ion: 65 Resp: 338977
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX013882.D

Acq: 10 Dec 2019 04:14

Instrument :

MSVOA_X

ClientSampleId :

S32-GAC1-IDW01

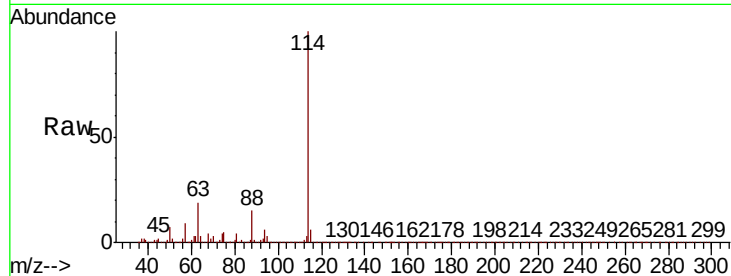
Tot Ion:114 Resp: 930370

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.6

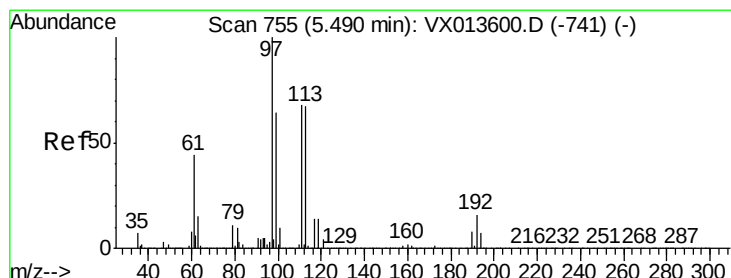
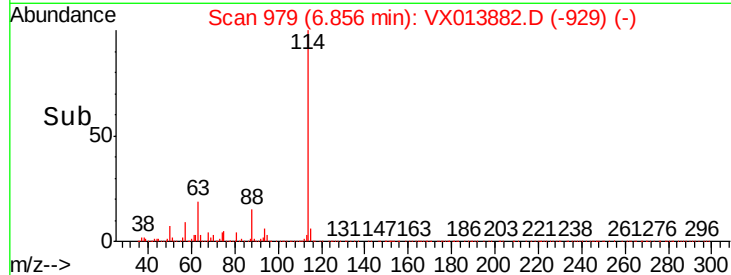
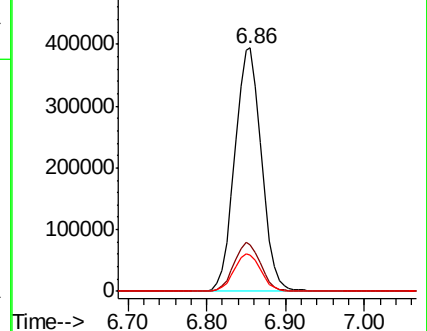
88 15.0 0.0 31.4



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: 48.712 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013882.D

Acq: 10 Dec 2019 04:14

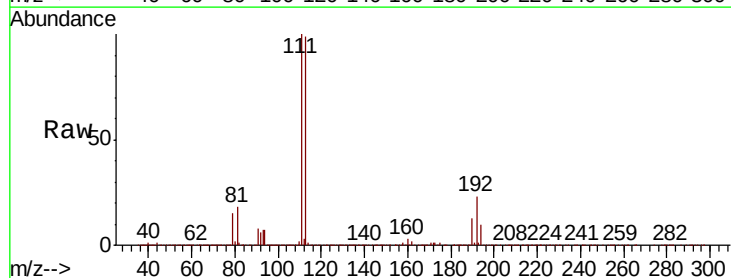
Tgt Ion:113 Resp: 280175

Ion Ratio Lower Upper

113 100

111 101.9 83.6 125.4

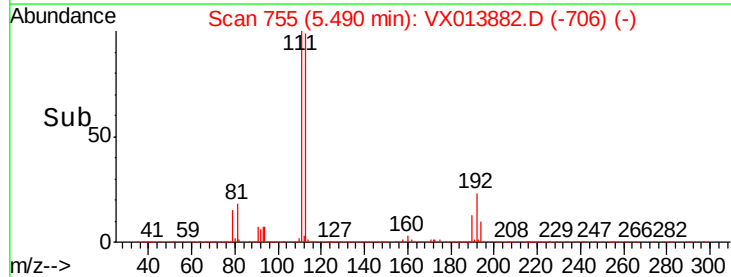
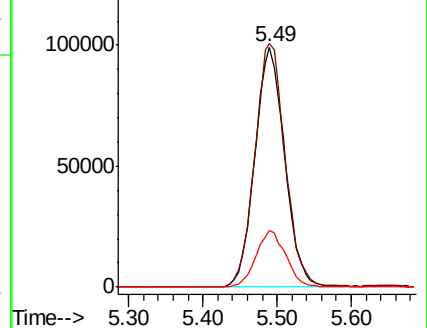
192 23.4 19.2 28.8

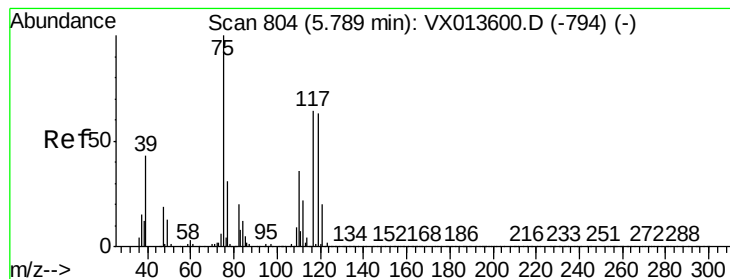


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.962 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013882.D

Acq: 10 Dec 2019 04:14

Instrument :

MSVOA_X

ClientSampleId :

S32-GAC1-IDW01

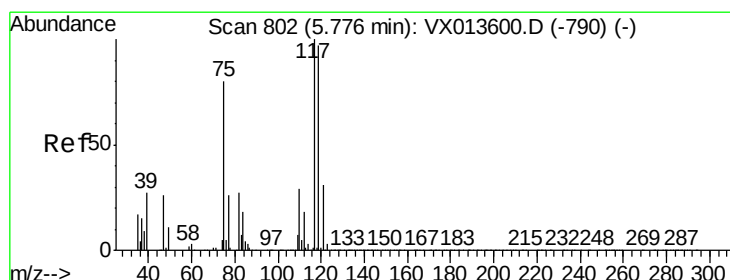
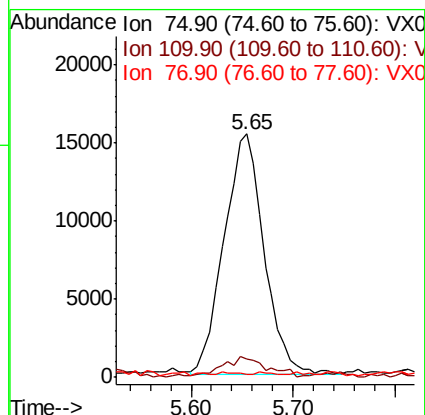
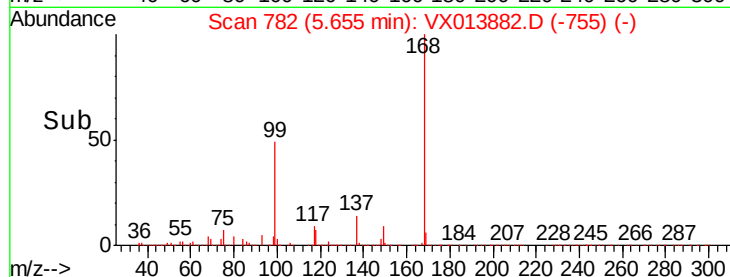
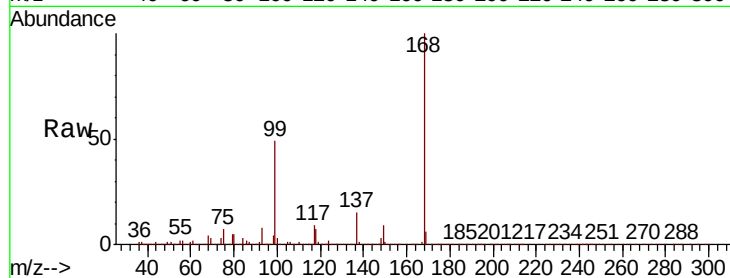
Tot Ion: 75 Resp: 41903

Ion Ratio Lower Upper

75 100

110 9.1 18.1 54.1#

77 0.3 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.955 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013882.D

Acq: 10 Dec 2019 04:14

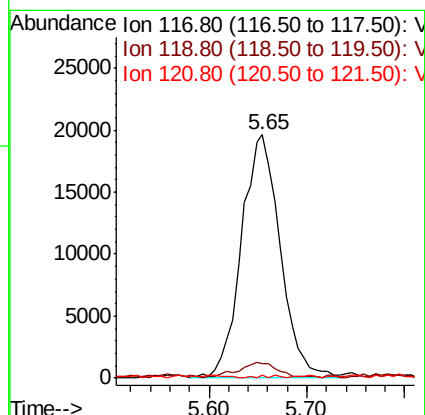
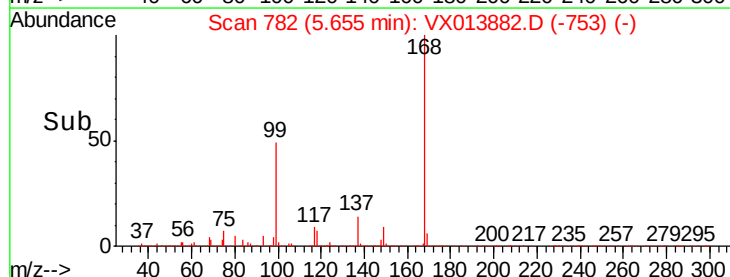
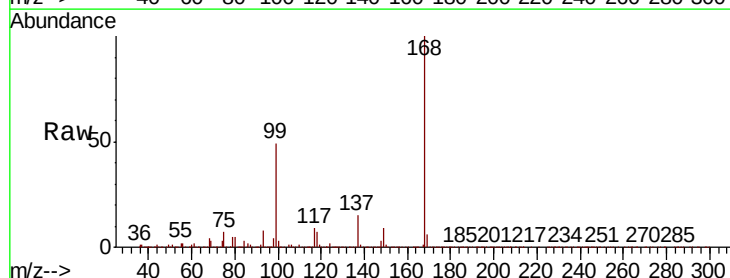
Tgt Ion: 117 Resp: 54159

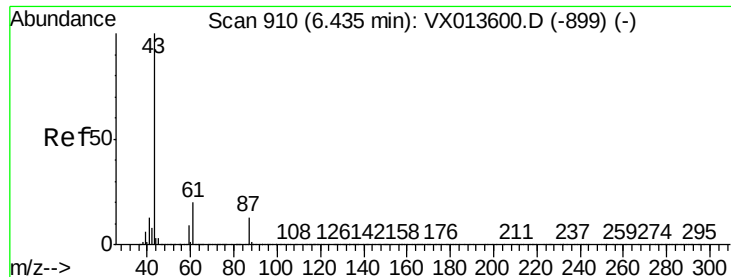
Ion Ratio Lower Upper

117 100

119 5.4 77.5 116.3#

121 0.4 25.0 37.6#





#43

Isopropyl Acetate

Concen: 0.844 ug/l

RT: 6.44 min Scan# 911

Delta R.T. 0.01 min

Lab File: VX013882.D

Acq: 10 Dec 2019 04:14

Instrument :

MSVOA_X

ClientSampleId :

S32-GAC1-IDW01

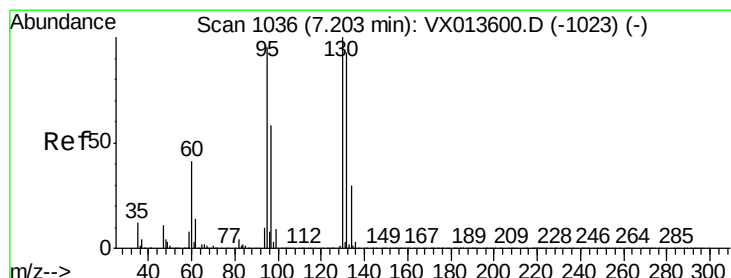
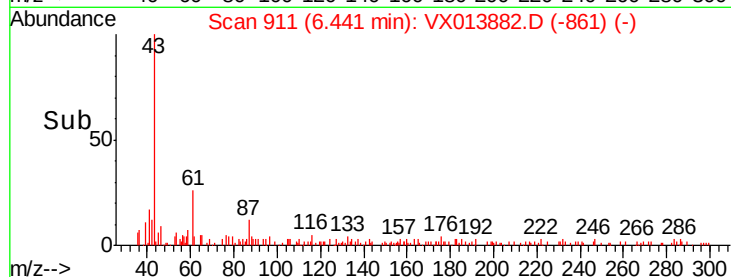
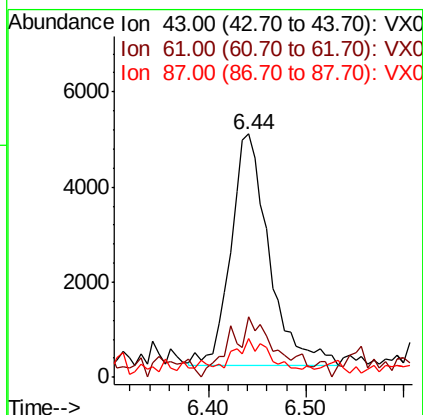
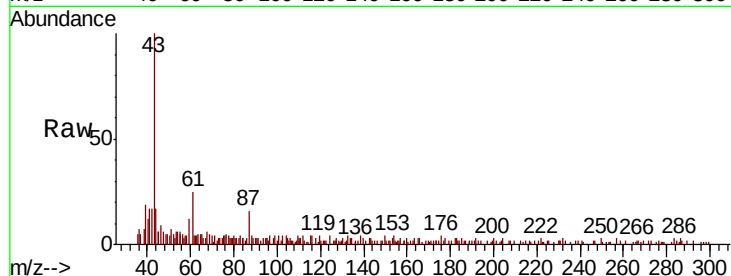
Tot Ion: 43 Resp: 13159

Ion Ratio Lower Upper

43 100

61 27.7 16.3 24.5#

87 11.8 10.8 16.2



#44

Trichloroethene

Concen: 0.205 ug/l

RT: 7.22 min Scan# 1039

Delta R.T. 0.02 min

Lab File: VX013882.D

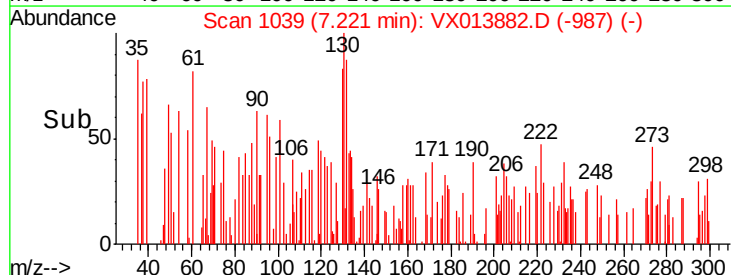
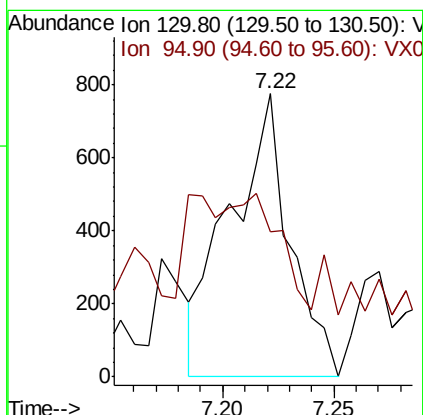
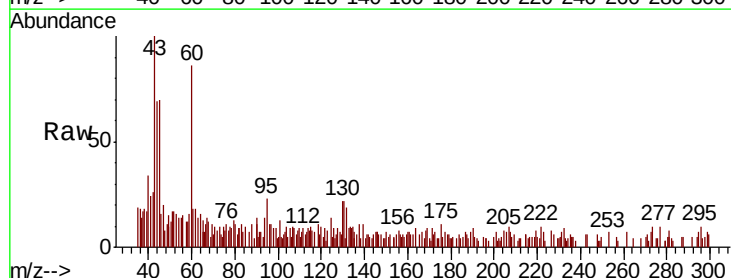
Acq: 10 Dec 2019 04:14

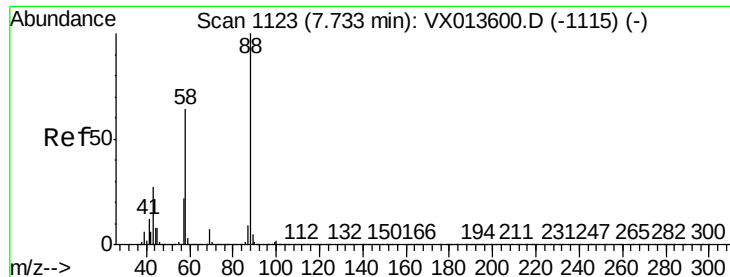
Tgt Ion:130 Resp: 1449

Ion Ratio Lower Upper

130 100

95 10.5 0.0 190.8





#49

1,4-Dioxane

Concen: 2.623 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013882.D

Acq: 10 Dec 2019 04:14

Instrument :

MSVOA_X

ClientSampleId :

S32-GAC1-IDW01

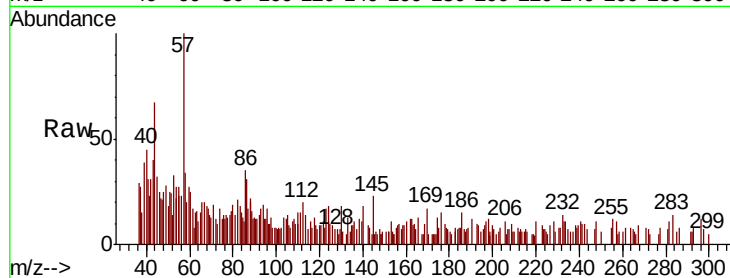
Tot Ion: 88 Resp: 445

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.6#

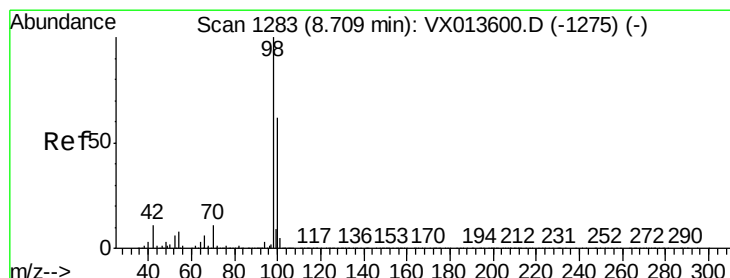
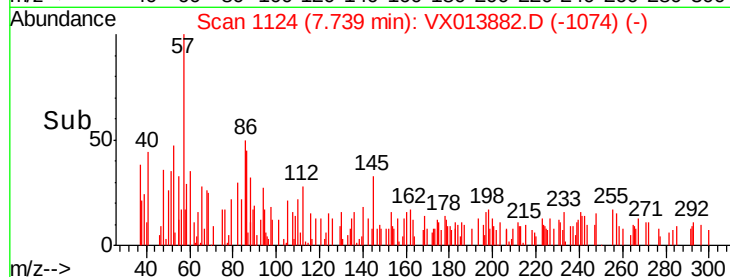
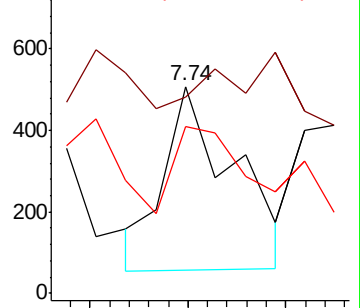
58 98.7 54.6 82.0#



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: 48.888 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013882.D

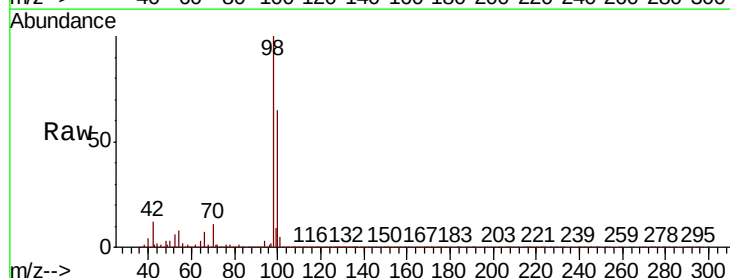
Acq: 10 Dec 2019 04:14

Tgt Ion: 98 Resp: 1095547

Ion Ratio Lower Upper

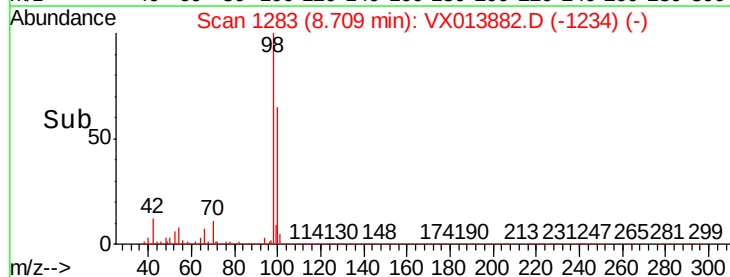
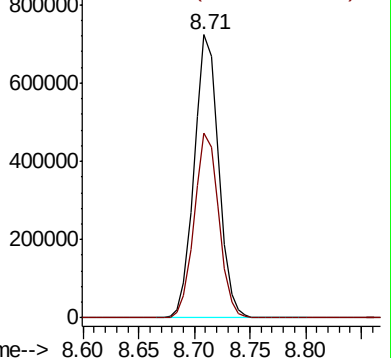
98 100

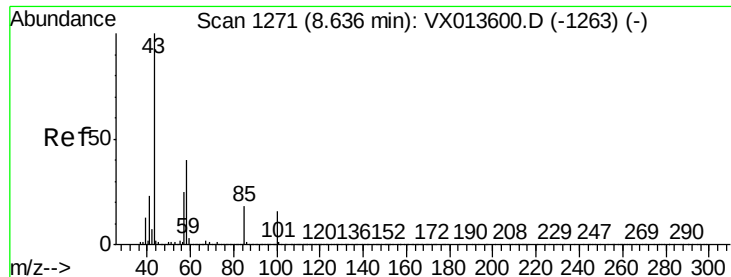
100 65.8 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.764 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. -0.03 min

Lab File: VX013882.D

Acq: 10 Dec 2019 04:14

Instrument :

MSVOA_X

ClientSampleId :

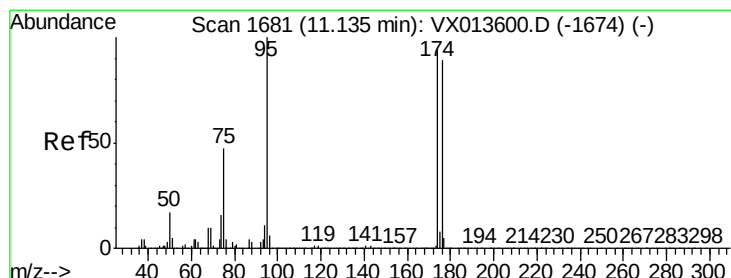
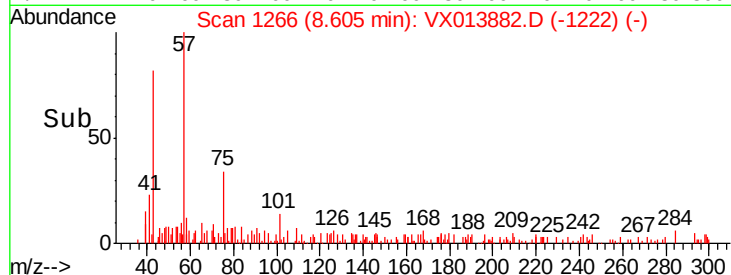
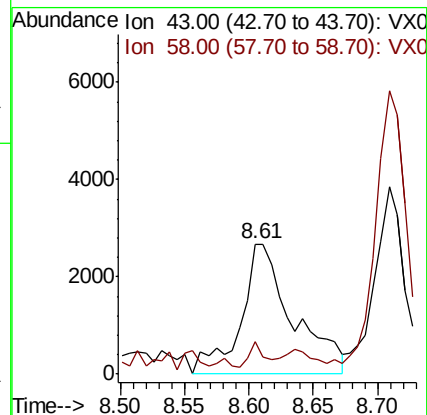
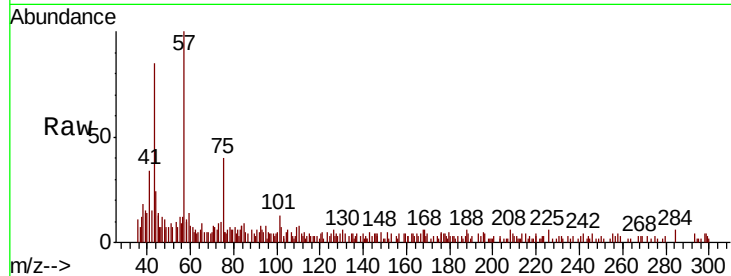
S32-GAC1-IDW01

Tot Ion: 43 Resp: 7497

Ion Ratio Lower Upper

43 100

58 5.7 32.1 48.1#



#62

4-Bromofluorobenzene

Concen: 44.920 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013882.D

Acq: 10 Dec 2019 04:14

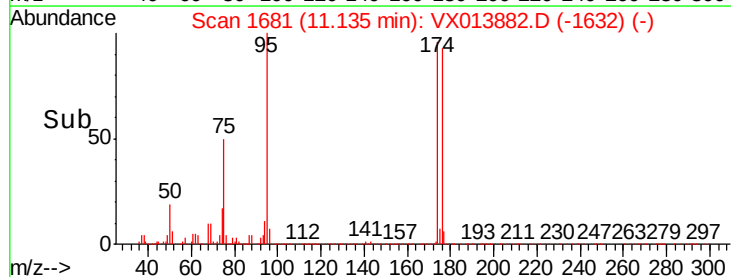
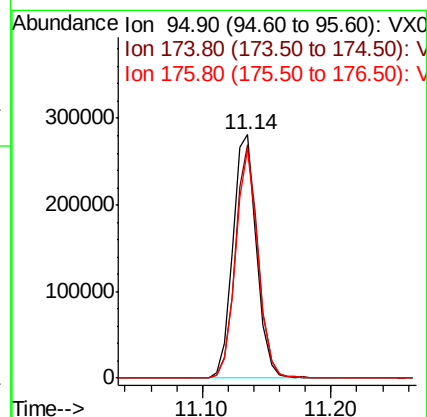
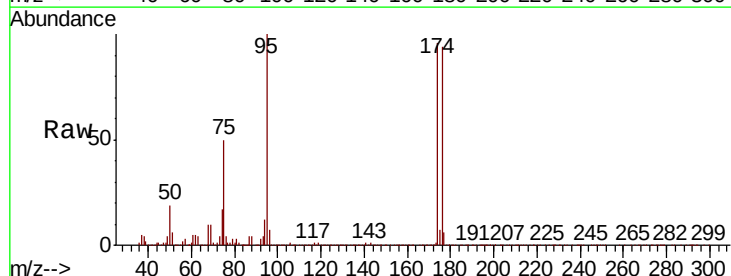
Tgt Ion: 95 Resp: 362992

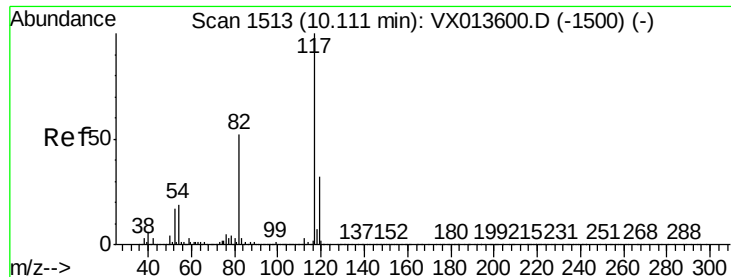
Ion Ratio Lower Upper

95 100

174 91.9 0.0 180.0

176 89.0 0.0 173.6

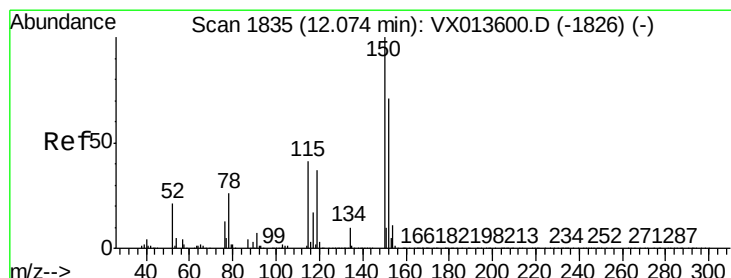
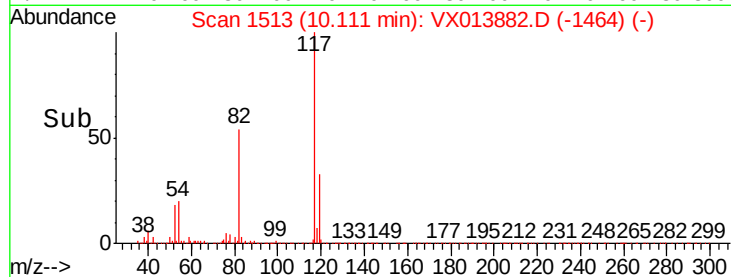
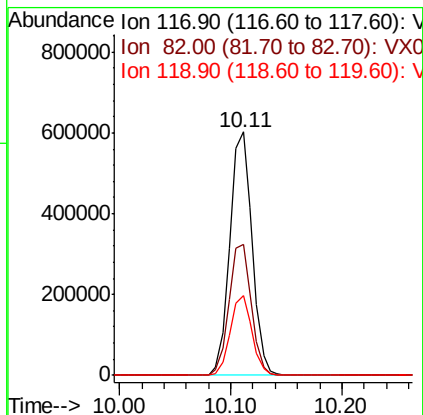
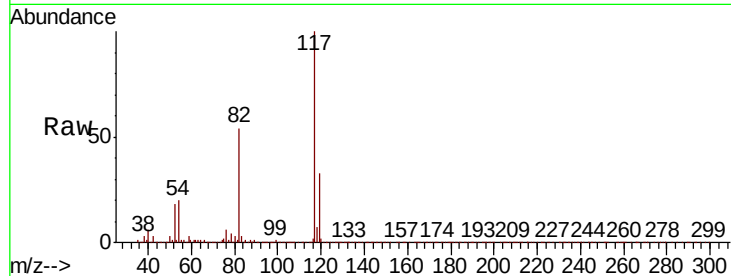




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013882.D
Acq: 10 Dec 2019 04:14

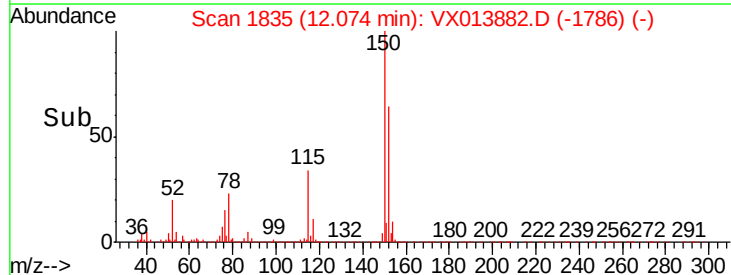
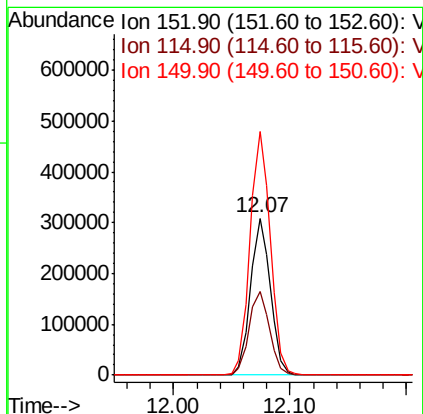
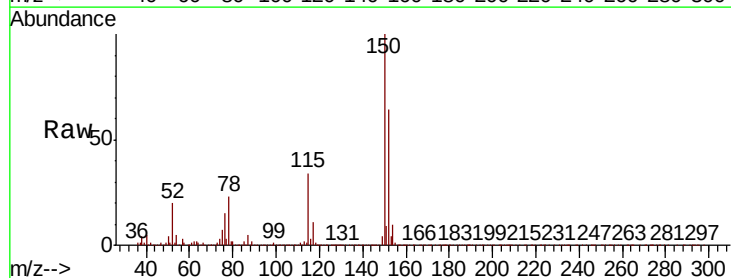
Instrument :
MSVOA_X
ClientSampleId :
S32-GAC1-IDW01

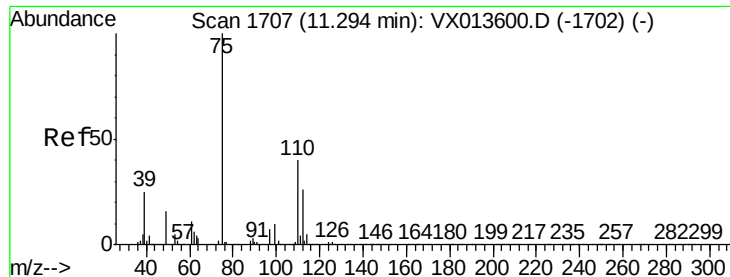
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	41.8	62.8
119	32.8	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013882.D
Acq: 10 Dec 2019 04:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	38.4	115.1
150	158.4	0.0	346.8





#76

1,2,3-Trichloropropane

Concen: 21.803 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013882.D

Acq: 10 Dec 2019 04:14

Instrument :

MSVOA_X

ClientSampleId :

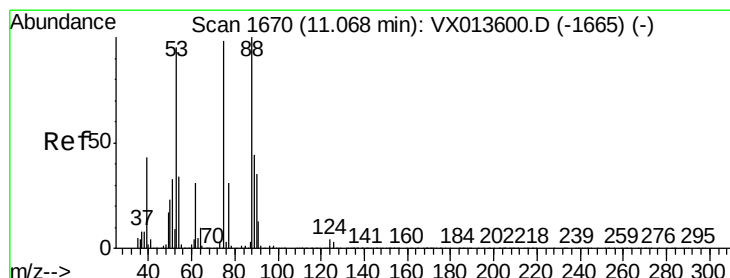
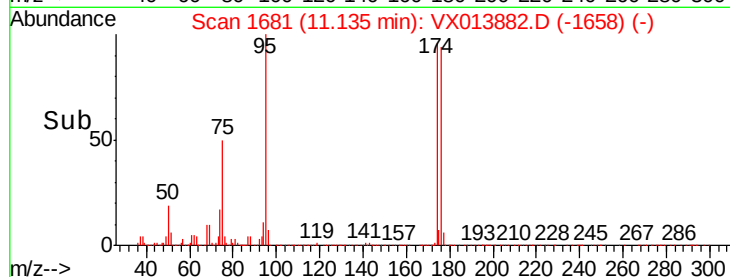
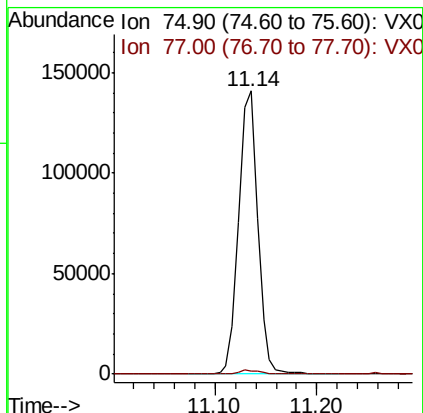
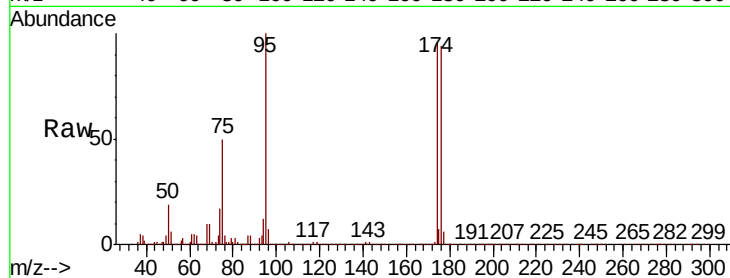
S32-GAC1-IDW01

Tot Ion: 75 Resp: 180881

Ion Ratio Lower Upper

75 100

77 1.7 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.650 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013882.D

Acq: 10 Dec 2019 04:14

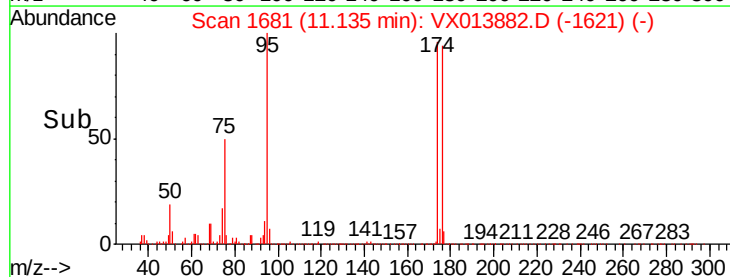
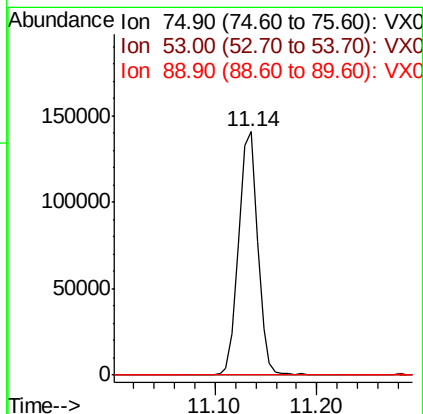
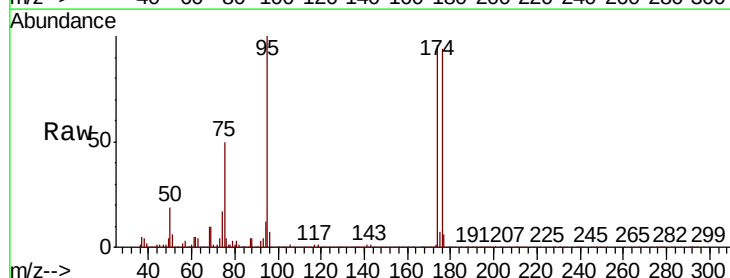
Tgt Ion: 75 Resp: 180881

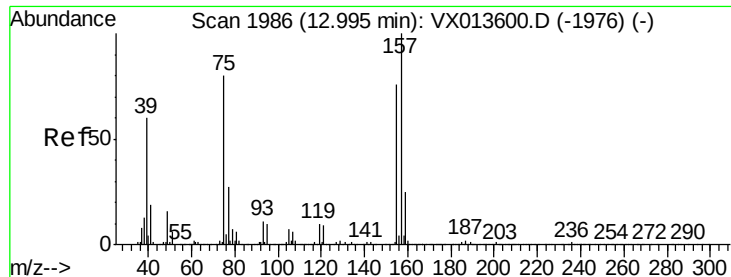
Ion Ratio Lower Upper

75 100

53 0.4 78.2 117.2#

89 0.0 35.4 53.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.214 ug/l

RT: 13.18 min Scan# 2017

Delta R.T. 0.19 min

Lab File: VX013882.D

Acq: 10 Dec 2019 04:14

Instrument :

MSVOA_X

ClientSampleId :

S32-GAC1-IDW01

Tot Ion: 75 Resp: 418

Ion Ratio Lower Upper

75 100

155 74.9 47.6 142.8

157 76.1 62.1 186.2

