

Data File : VX013924.D
Acq On : 11 Dec 2019 02:41
Operator : JC/SP
Sample : K6185-15DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20191205DL

Quant Time: Dec 11 04:56:20 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	592732	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	919207	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	820509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	379831	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	334690	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
35) Dibromofluoromethane	5.48	113	273991	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
50) Toluene-d8	8.71	98	1082446	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
62) 4-Bromofluorobenzene	11.13	95	362093	45.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.70%	

Target Compounds

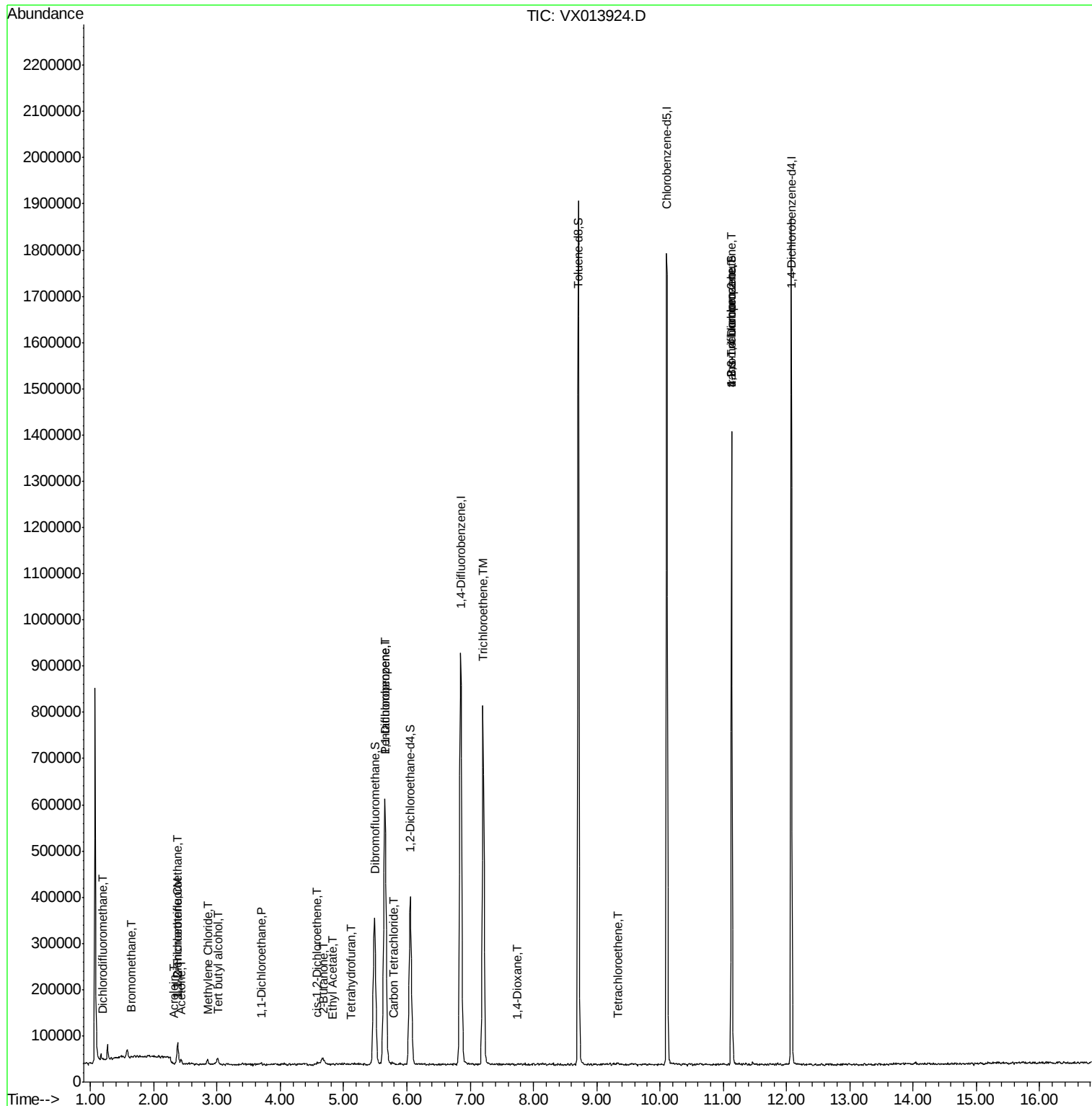
						Qvalue
2) Dichlorodifluoromethane	1.20	85	2124	0.322	ug/l #	45
5) Bromomethane	1.65	94	1202	0.215	ug/l #	69
9) 1,1,2-Trichlorotrifluoroet	2.38	101	18959	3.355	ug/l	98
11) Tert butyl alcohol	3.01	59	8786	5.173	ug/l	97
12) 1,1-Dichloroethene	2.37	96	2522	0.447	ug/l #	90
13) Acrolein	2.32	56	318	6.277	ug/l #	15
16) Acetone	2.43	43	9632	2.836	ug/l	97
20) Methylene Chloride	2.84	84	6611	1.013	ug/l	94
24) 1,1-Dichloroethane	3.69	63	2949	0.274	ug/l	92
25) 2-Butanone	4.68	43	3540	0.701	ug/l #	49
27) cis-1,2-Dichloroethene	4.59	96	3192	0.452	ug/l	83
29) Tetrahydrofuran	5.11	42	625	0.201	ug/l #	64
36) 1,1-Dichloropropene	5.65	75	40127	4.809	ug/l #	51
37) Ethyl Acetate	4.83	43	2142	0.229	ug/l #	63
38) Carbon Tetrachloride	5.79	117	2305	0.300	ug/l #	40
44) Trichloroethene	7.20	130	313098	44.891	ug/l	97
49) 1,4-Dioxane	7.75	88	327	1.951	ug/l #	1
64) Tetrachloroethene	9.33	164	1543	0.252	ug/l #	68
76) 1,2,3-Trichloropropane	11.13	75	178479	20.892	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	178479	57.156	ug/l #	11

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013924.D

Acq: 11 Dec 2019 02:41

Instrument :

MSVOA_X

ClientSampleId :

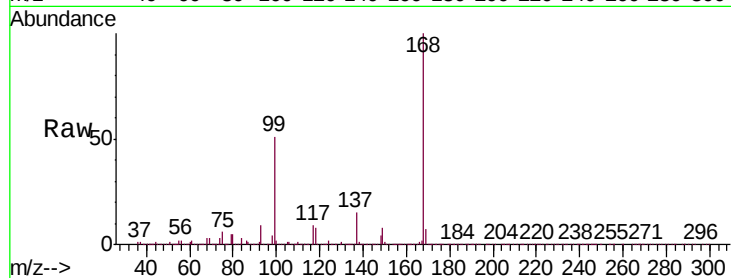
TT101D1-20191205DL

Tgt Ion:168 Resp: 592732

Ion Ratio Lower Upper

168 100

99 50.6 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

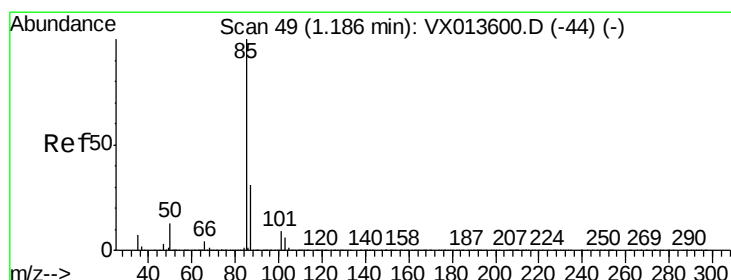
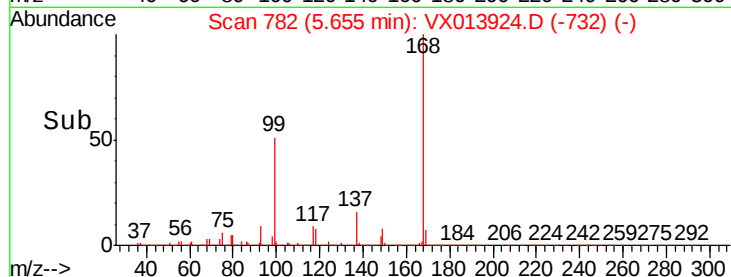
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.322 ug/l

RT: 1.20 min Scan# 51

Delta R.T. 0.01 min

Lab File: VX013924.D

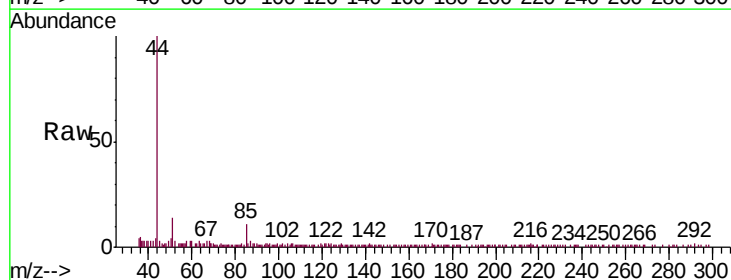
Acq: 11 Dec 2019 02:41

Tgt Ion: 85 Resp: 2124

Ion Ratio Lower Upper

85 100

87 1.2 15.7 47.1#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

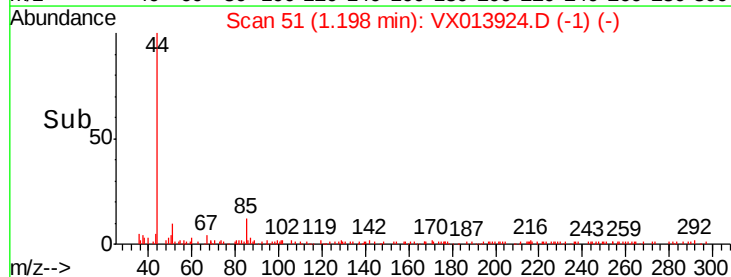
1.20

1000

500

0

Time-->





#5

Bromomethane

Concen: 0.215 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX013924.D

Acq: 11 Dec 2019 02:41

Instrument :

MSVOA_X

ClientSampleId :

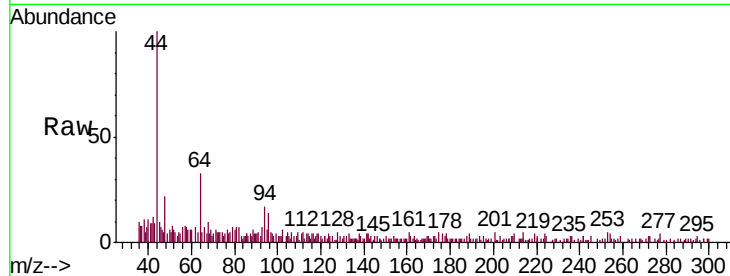
TT101D1-20191205DL

Tgt Ion: 94 Resp: 1202

Ion Ratio Lower Upper

94 100

96 66.2 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

800

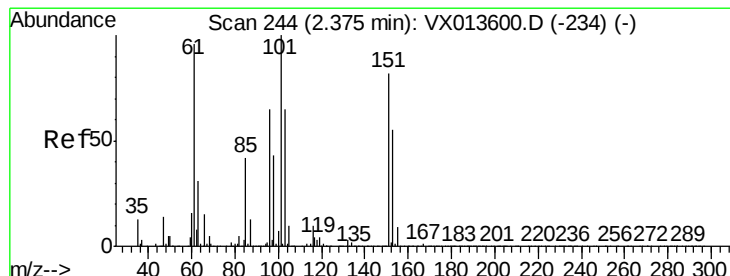
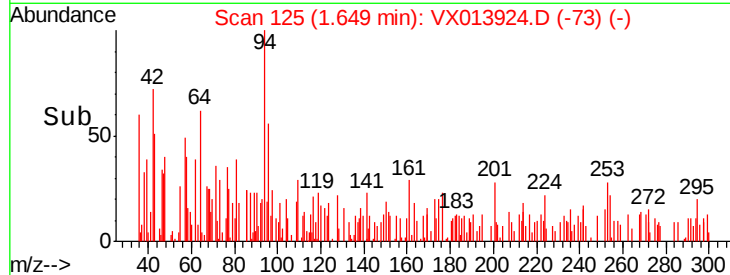
600

400

200

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.355 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.01 min

Lab File: VX013924.D

Acq: 11 Dec 2019 02:41

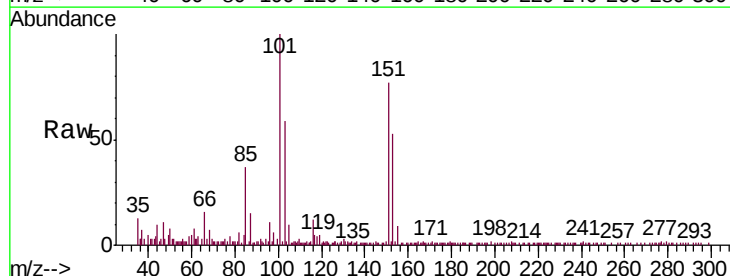
Tgt Ion: 101 Resp: 18959

Ion Ratio Lower Upper

101 100

85 42.3 33.9 50.9

151 77.3 64.2 96.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

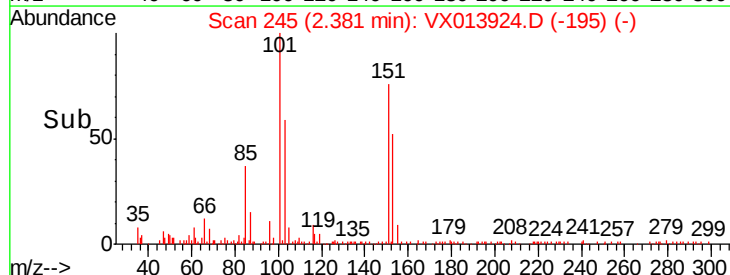
2.38

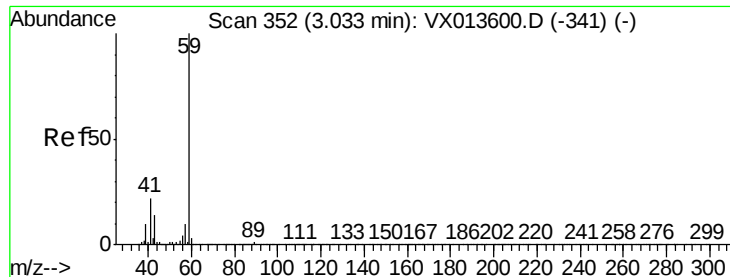
10000

5000

0

Time-->

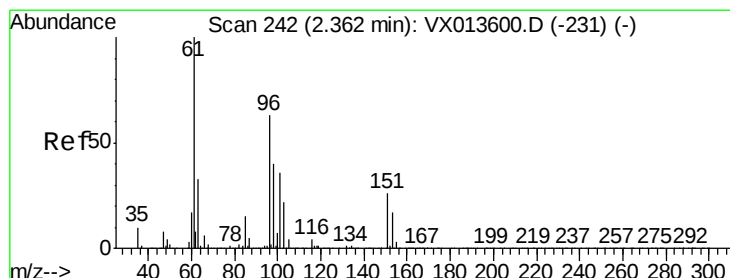
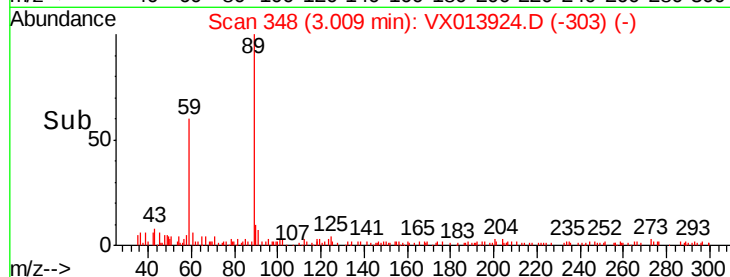
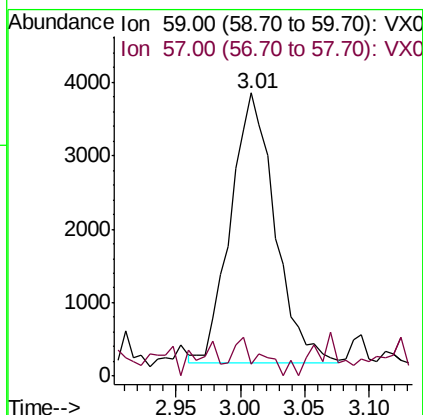
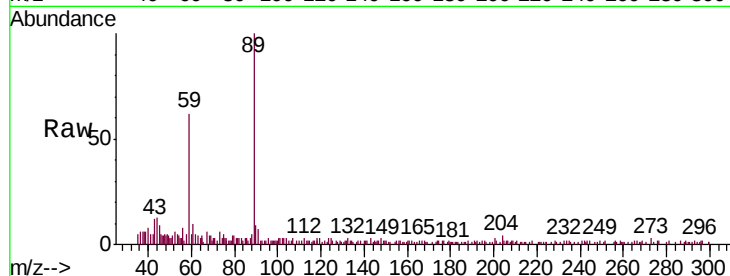




#11
Tert butyl alcohol
Concen: 5.173 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX013924.D
Acq: 11 Dec 2019 02:41

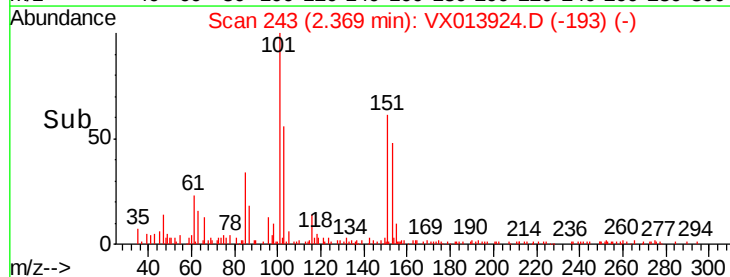
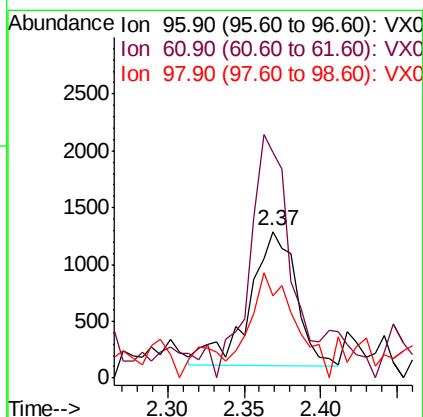
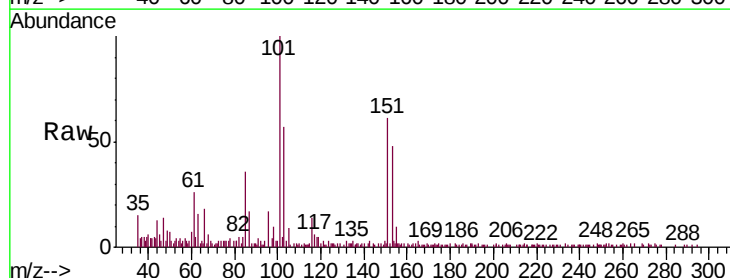
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20191205DL

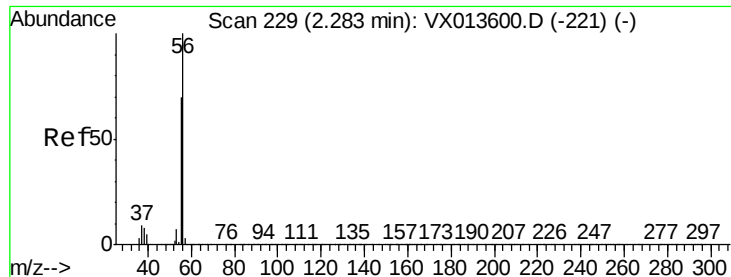
Tgt Ion: 59 Resp: 8786
Ion Ratio Lower Upper
59 100
57 8.6 7.8 11.6



#12
1,1-Dichloroethene
Concen: 0.447 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.01 min
Lab File: VX013924.D
Acq: 11 Dec 2019 02:41

Tgt Ion: 96 Resp: 2522
Ion Ratio Lower Upper
96 100
61 150.1 126.6 190.0
98 48.2 50.6 76.0#





#13

Acrolein

Concen: 6.277 ug/l

RT: 2.32 min Scan# 235

Delta R.T. 0.04 min

Lab File: VX013924.D

Acq: 11 Dec 2019 02:41

Instrument :

MSVOA_X

ClientSampleId :

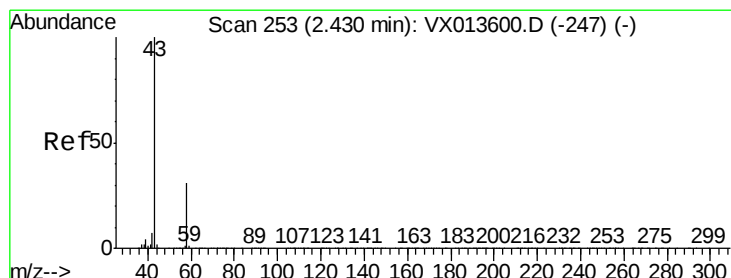
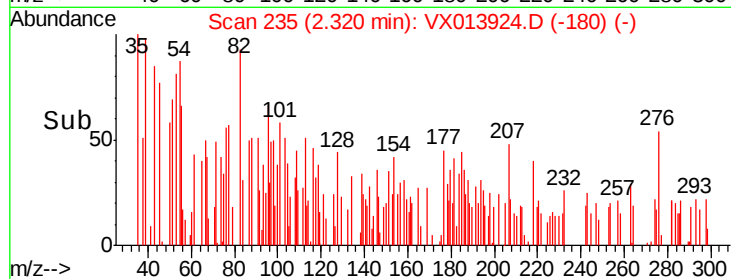
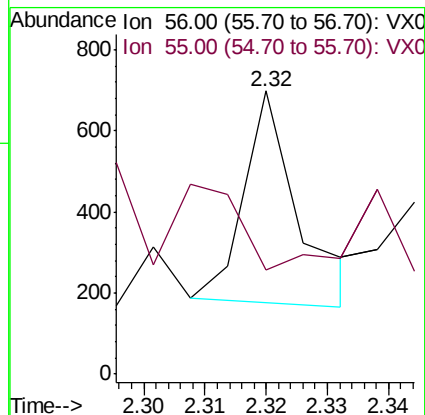
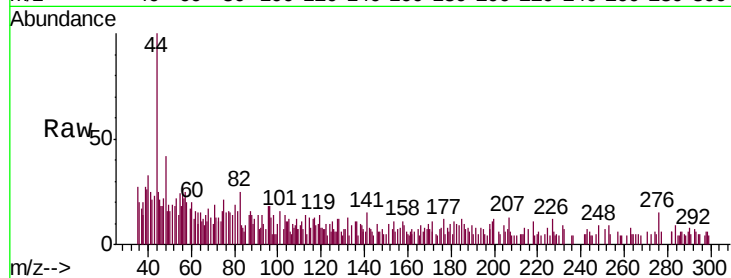
TT101D1-20191205DL

Tgt Ion: 56 Resp: 318

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.4#



#16

Acetone

Concen: 2.836 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013924.D

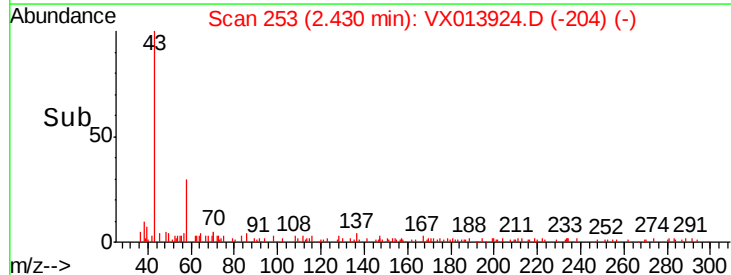
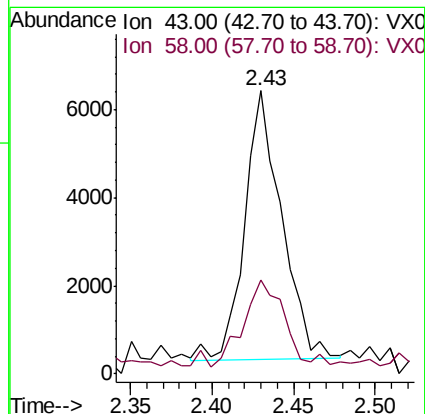
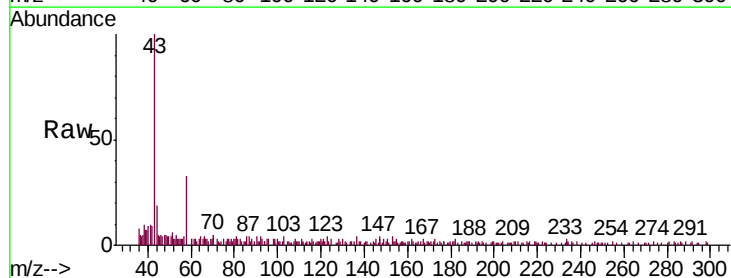
Acq: 11 Dec 2019 02:41

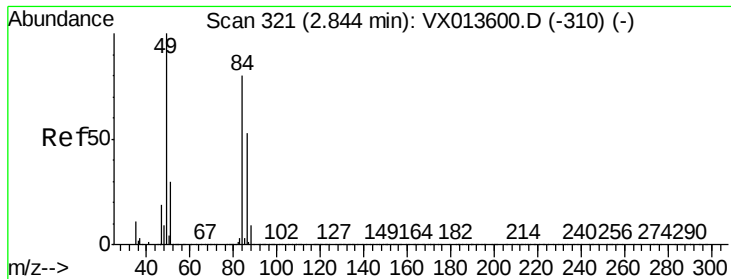
Tgt Ion: 43 Resp: 9632

Ion Ratio Lower Upper

43 100

58 32.4 24.6 36.8





#20

Methylene Chloride

Concen: 1.013 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX013924.D

Acq: 11 Dec 2019 02:41

Instrument :

MSVOA_X

ClientSampleId :

TT101D1-20191205DL

Tgt Ion: 84 Resp: 6611

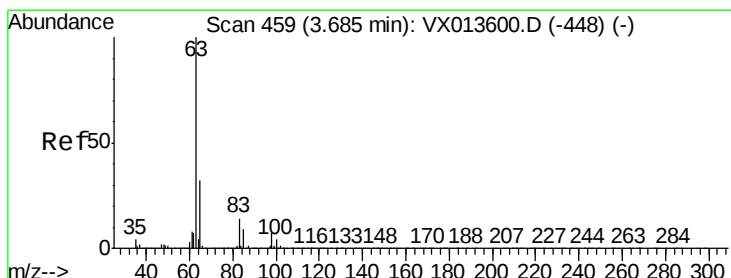
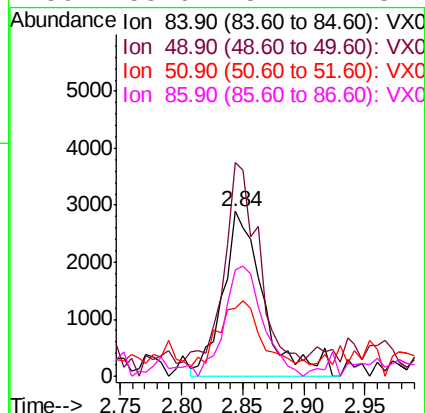
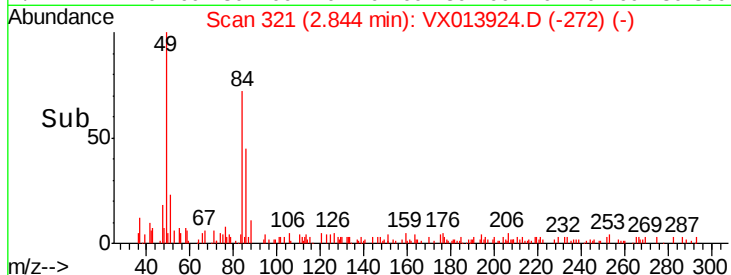
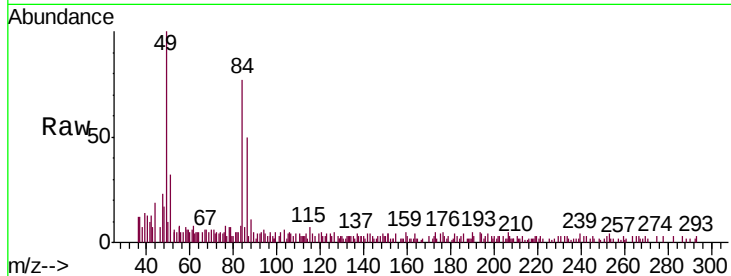
Ion Ratio Lower Upper

84 100

49 120.6 99.7 149.5

51 30.3 29.9 44.9

86 58.6 52.2 78.4



#24

1,1-Dichloroethane

Concen: 0.274 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX013924.D

Acq: 11 Dec 2019 02:41

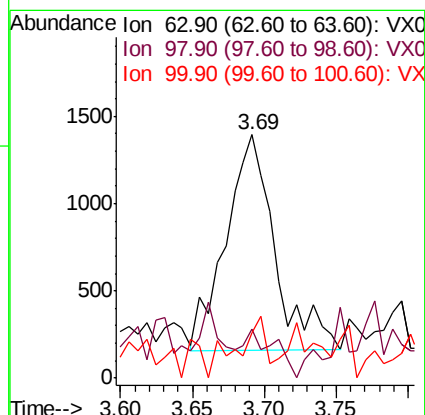
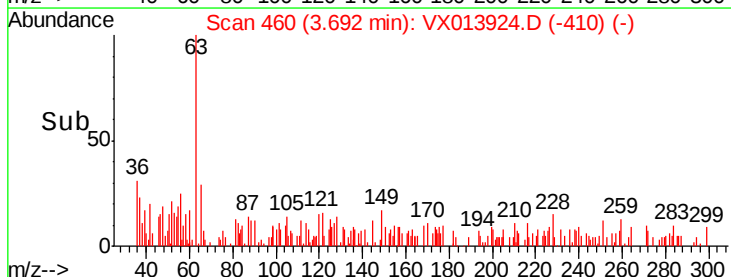
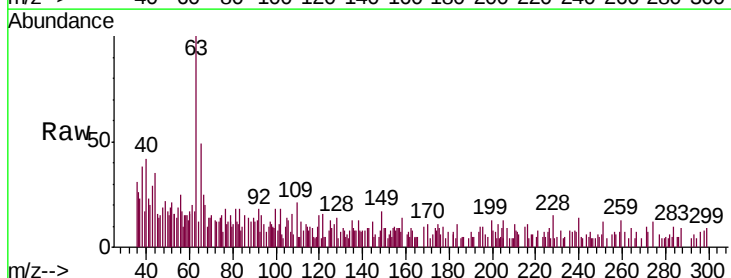
Tgt Ion: 63 Resp: 2949

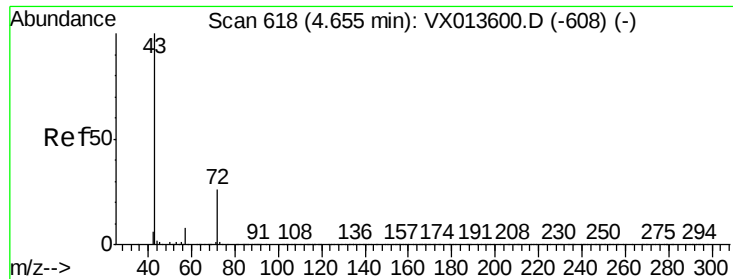
Ion Ratio Lower Upper

63 100

98 10.1 3.5 10.4

100 2.7 2.1 6.3





#25

2-Butanone

Concen: 0.701 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX013924.D

Acq: 11 Dec 2019 02:41

Instrument :

MSVOA_X

ClientSampleId :

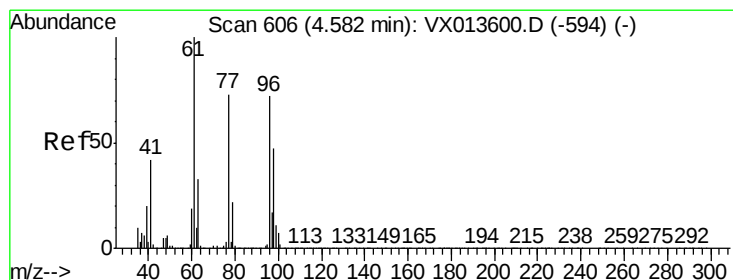
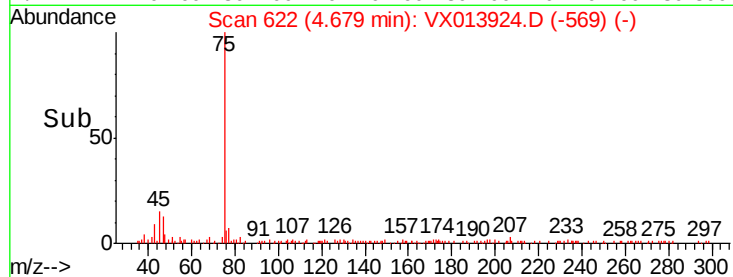
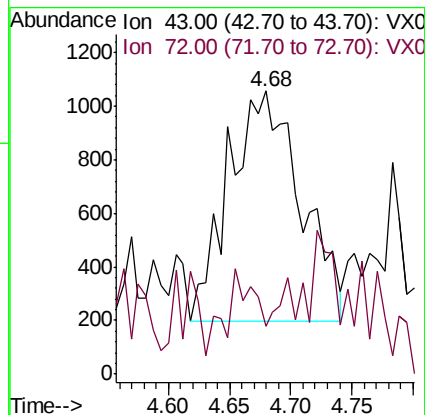
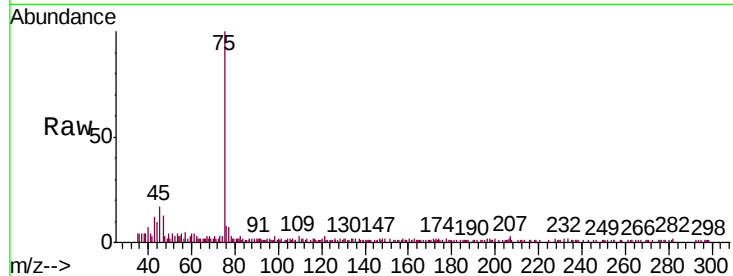
TT101D1-20191205DL

Tgt Ion: 43 Resp: 3540

Ion Ratio Lower Upper

43 100

72 0.0 20.6 31.0#



#27

cis-1,2-Dichloroethene

Concen: 0.452 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX013924.D

Acq: 11 Dec 2019 02:41

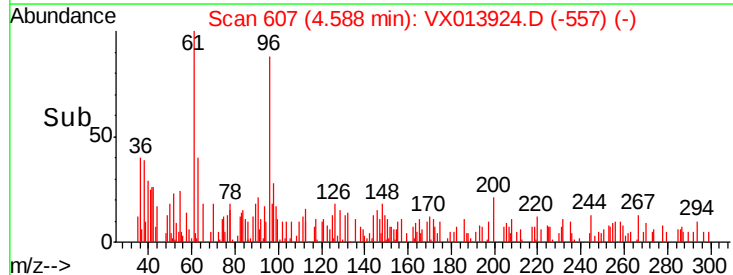
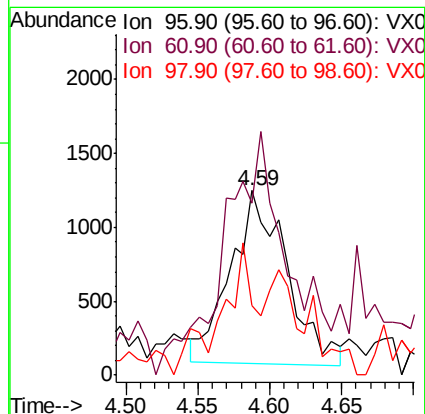
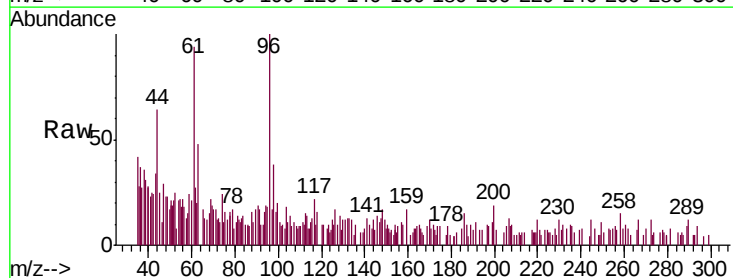
Tgt Ion: 96 Resp: 3192

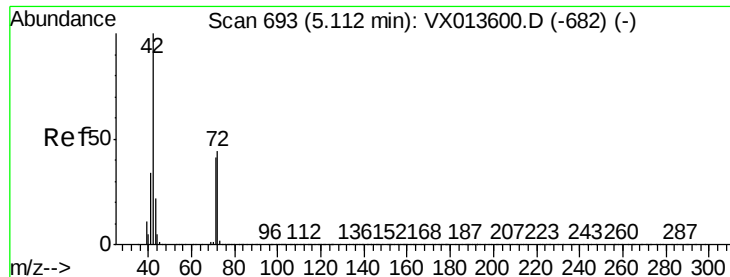
Ion Ratio Lower Upper

96 100

61 160.1 0.0 286.4

98 45.9 0.0 127.4





#29

Tetrahydrofuran

Concen: 0.201 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX013924.D

Acq: 11 Dec 2019 02:41

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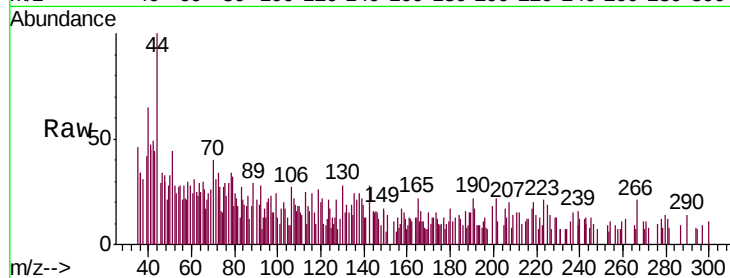
Tgt Ion: 42 Resp: 625

Ion Ratio Lower Upper

42 100

72 50.9 36.3 54.5

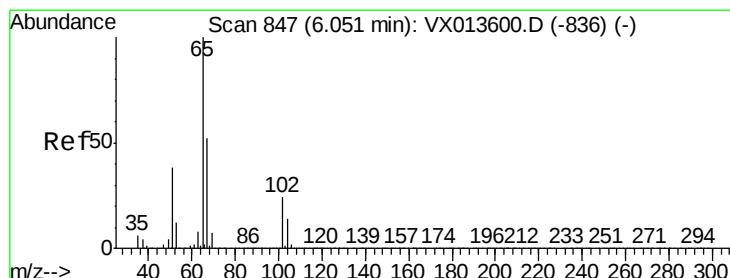
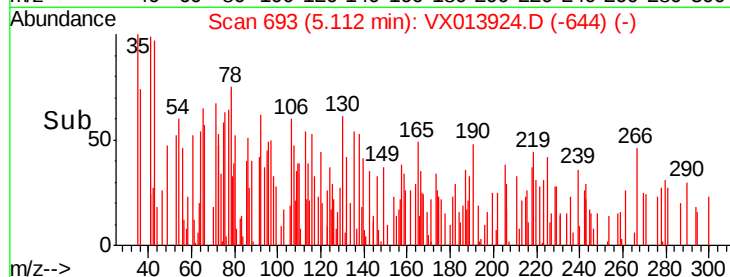
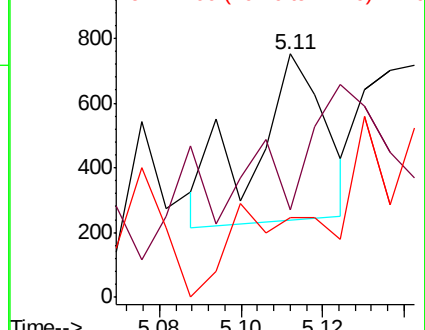
71 0.0 33.2 49.8#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.645 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013924.D

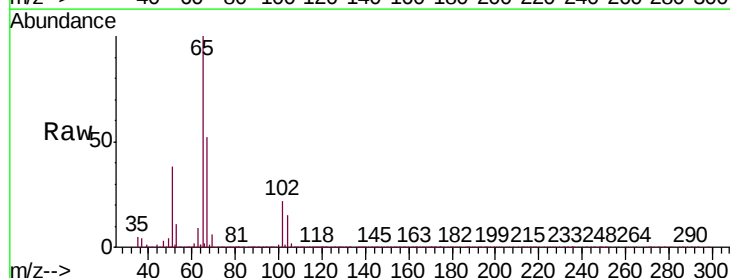
Acq: 11 Dec 2019 02:41

Tgt Ion: 65 Resp: 334690

Ion Ratio Lower Upper

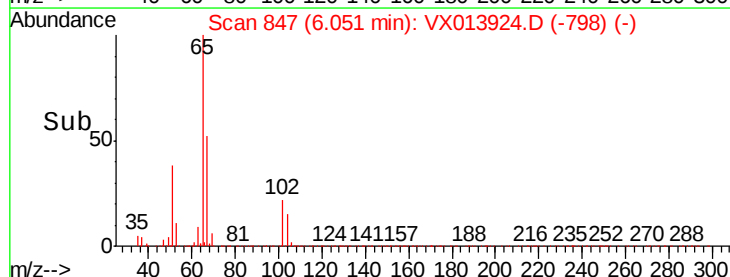
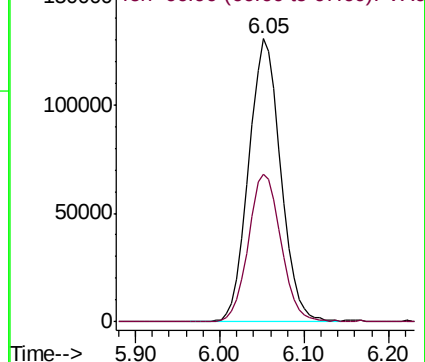
65 100

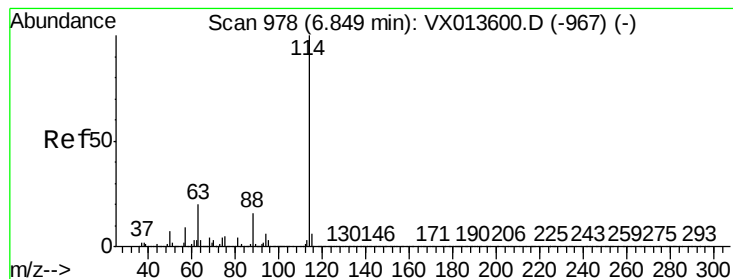
67 53.0 0.0 104.4



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# 978

Delta R.T. 0.00 min

Lab File: VX013924.D

Acq: 11 Dec 2019 02:41

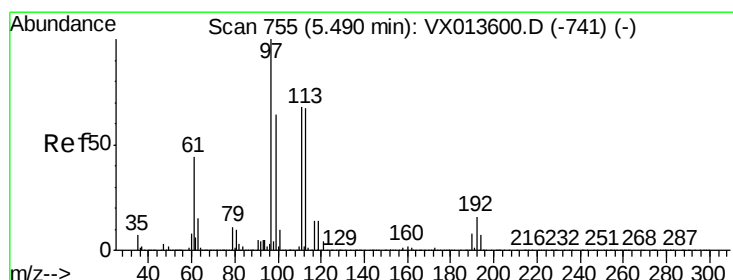
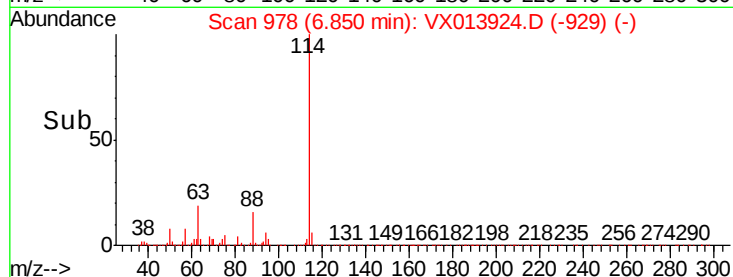
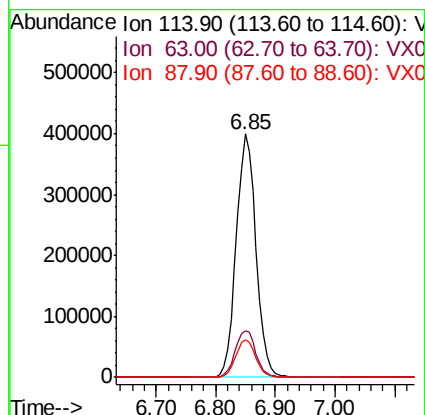
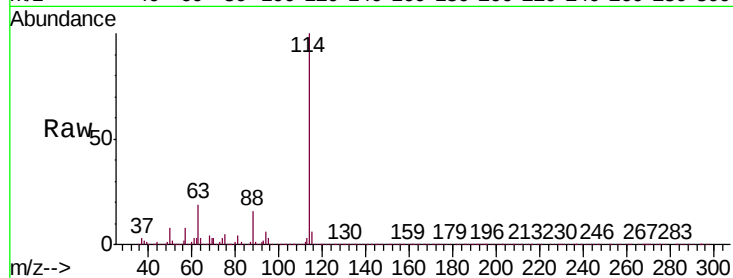
Instrument :

MSVOA_X

ClientSampleId :

TT101D1-20191205DL

Tgt Ion:	114	Resp:	919207
Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	39.6
88	15.6	0.0	31.4



#35

Dibromofluoromethane

Concen: 48.215 ug/l

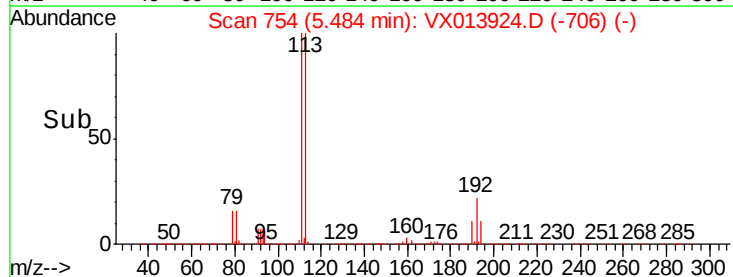
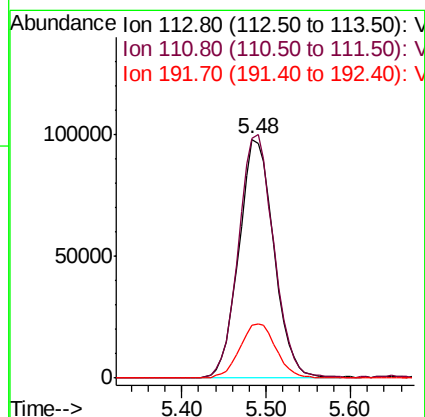
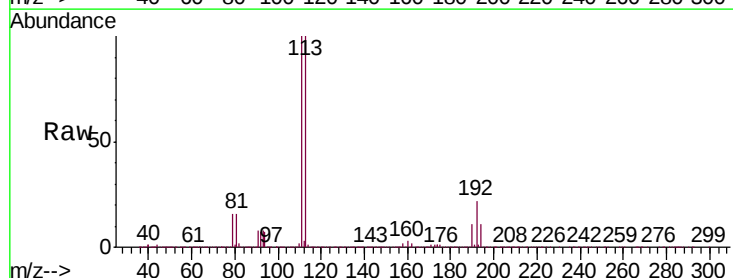
RT: 5.48 min Scan# 754

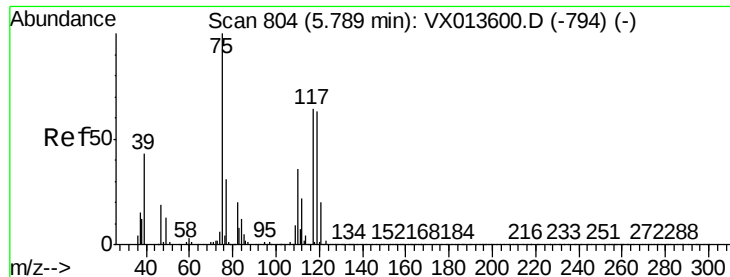
Delta R.T. -0.01 min

Lab File: VX013924.D

Acq: 11 Dec 2019 02:41

Tgt Ion:	113	Resp:	273991
Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.6	125.4
192	23.5	19.2	28.8

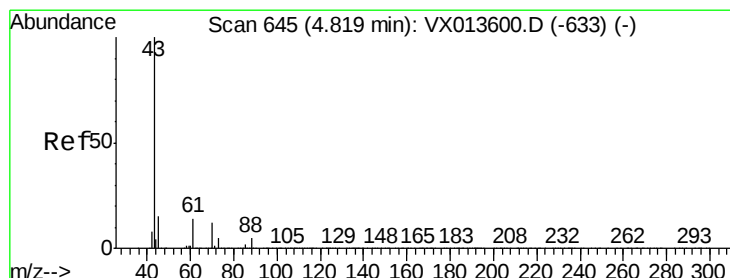
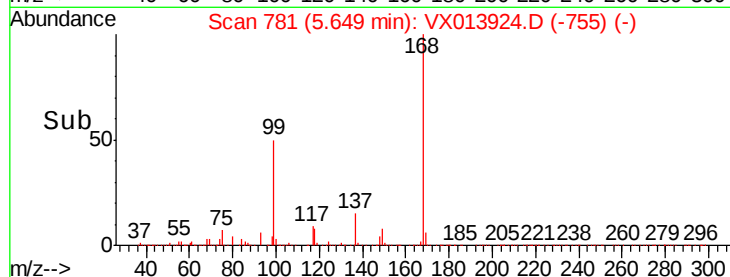
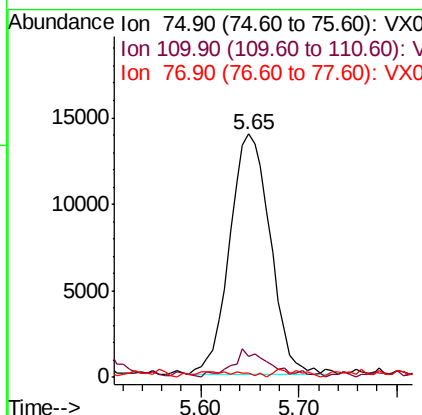
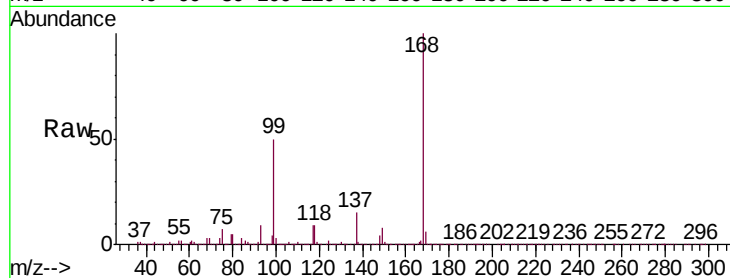




#36
 1,1-Dichloropropene
 Concen: 4.809 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013924.D
 Acq: 11 Dec 2019 02:41

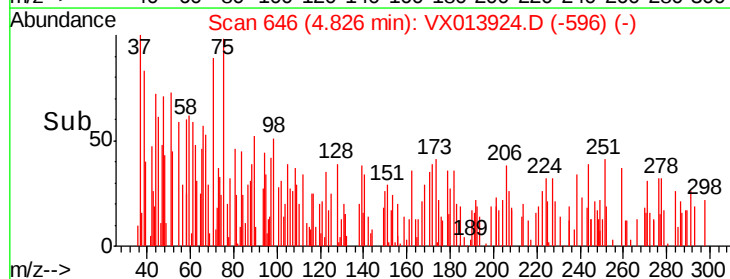
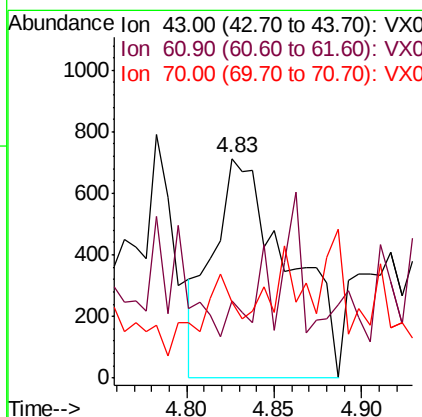
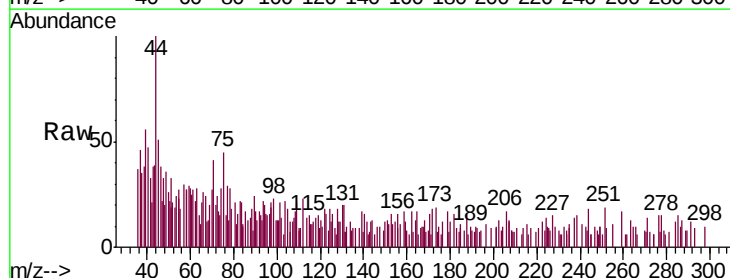
Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D1-20191205DL

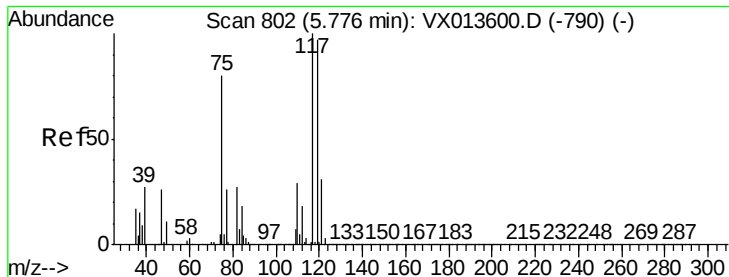
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.2	18.1	54.1#
77	0.0	24.5	36.7#



#37
 Ethyl Acetate
 Concen: 0.229 ug/l
 RT: 4.83 min Scan# 646
 Delta R.T. 0.01 min
 Lab File: VX013924.D
 Acq: 11 Dec 2019 02:41

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.4#
70	26.4	8.6	12.8#





#38

Carbon Tetrachloride

Concen: 0.300 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.01 min

Lab File: VX013924.D

Acq: 11 Dec 2019 02:41

Instrument :

MSVOA_X

ClientSampleId :

TT101D1-20191205DL

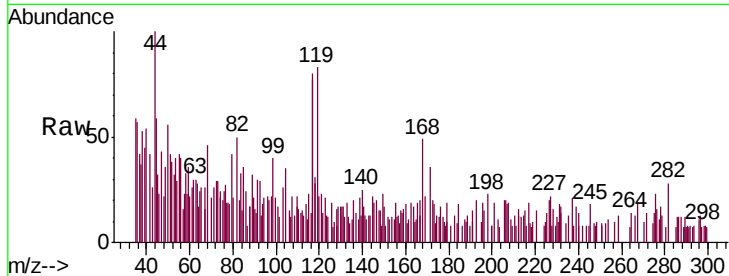
Tgt Ion:117 Resp: 2305

Ion Ratio Lower Upper

117 100

119 33.1 77.5 116.3#

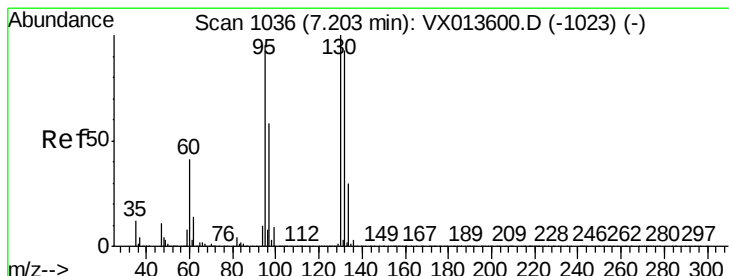
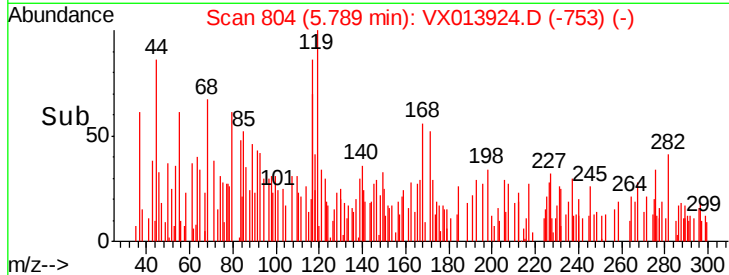
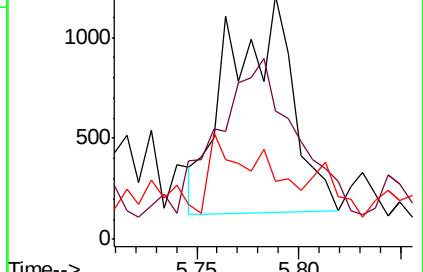
121 7.3 25.0 37.6#



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



#44

Trichloroethene

Concen: 44.891 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX013924.D

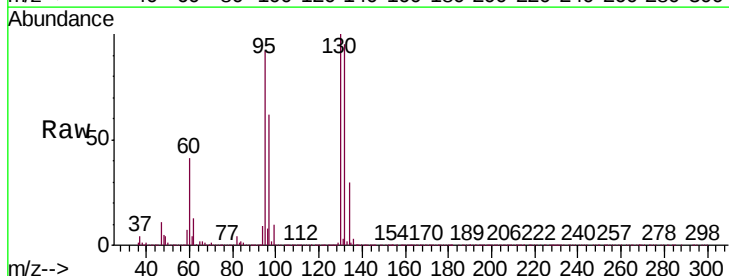
Acq: 11 Dec 2019 02:41

Tgt Ion:130 Resp: 313098

Ion Ratio Lower Upper

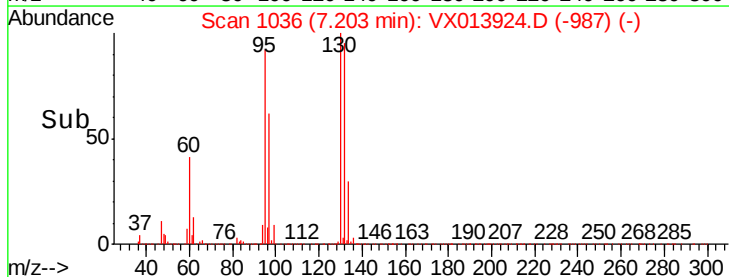
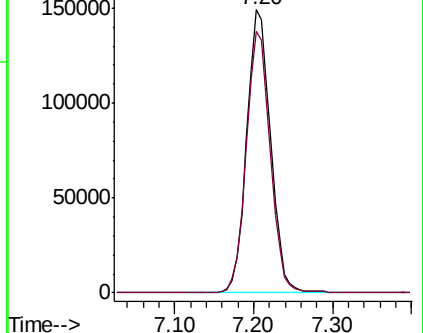
130 100

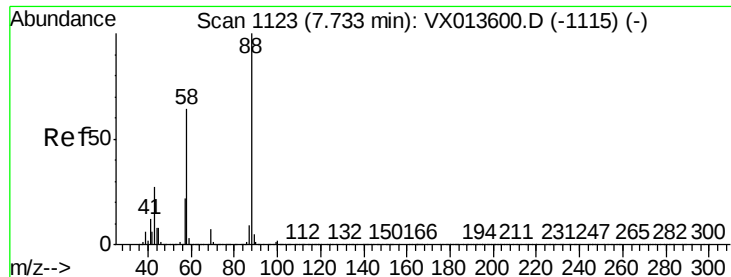
95 92.3 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

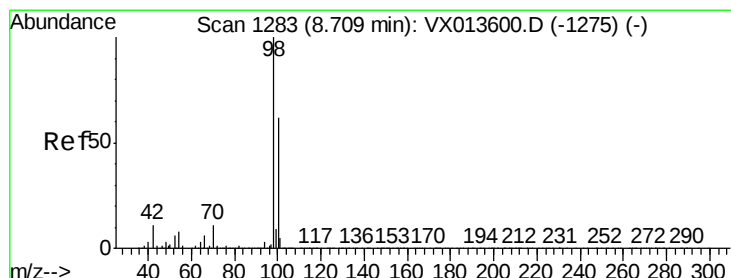
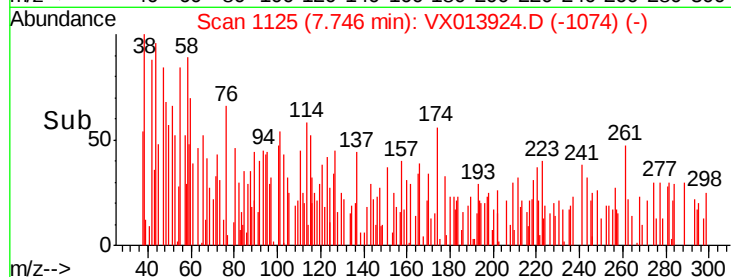
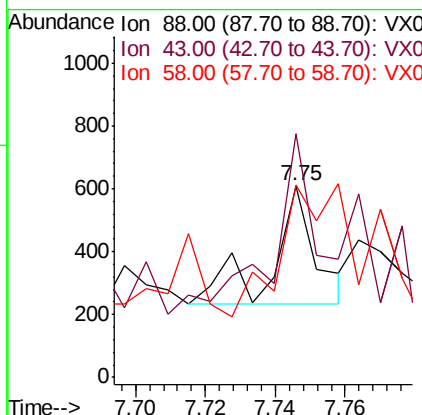
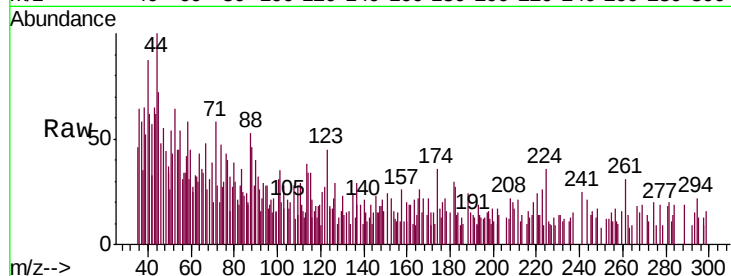




#49
1,4-Dioxane
Concen: 1.951 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VX013924.D
Acq: 11 Dec 2019 02:41

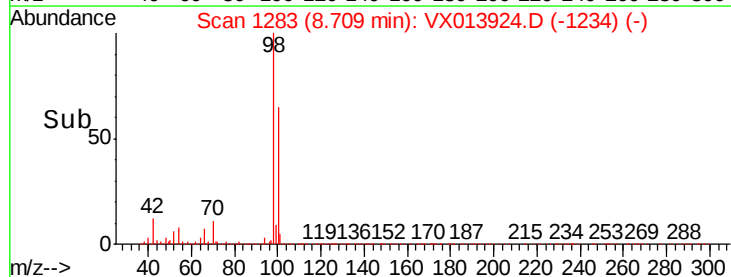
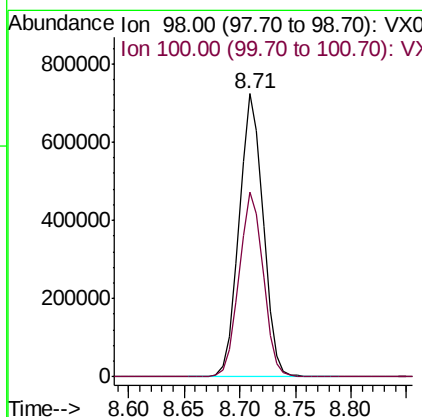
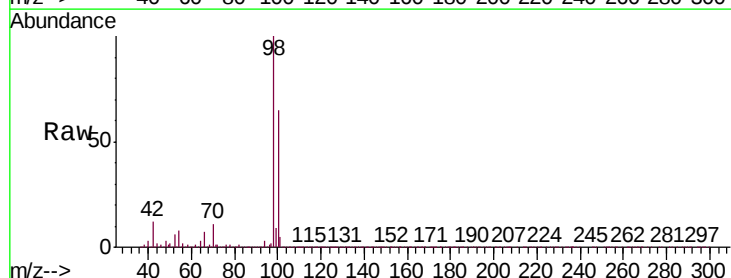
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20191205DL

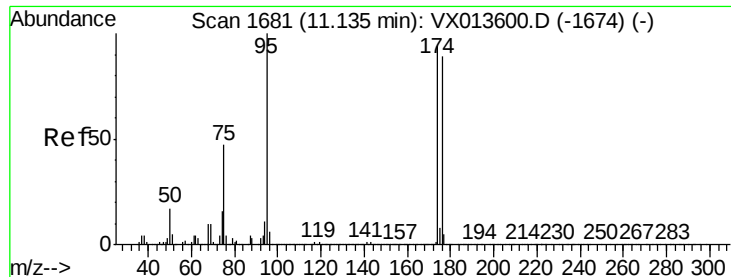
Tgt Ion: 88 Resp: 327
Ion Ratio Lower Upper
88 100
43 119.0 25.8 38.6#
58 267.6 54.6 82.0#



#50
Toluene-d8
Concen: 48.890 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013924.D
Acq: 11 Dec 2019 02:41

Tgt Ion: 98 Resp: 1082446
Ion Ratio Lower Upper
98 100
100 65.7 53.1 79.7

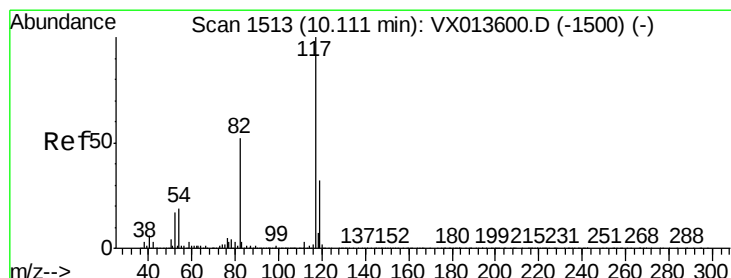
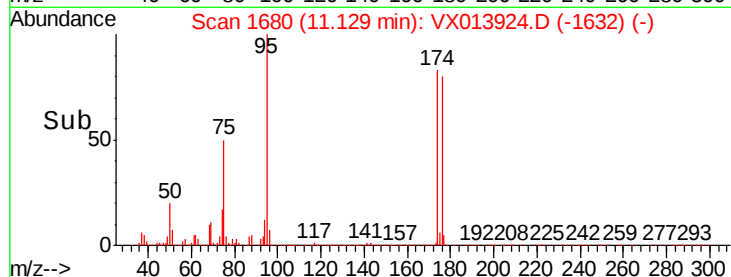
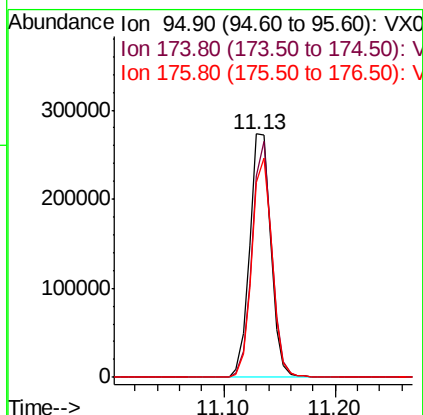
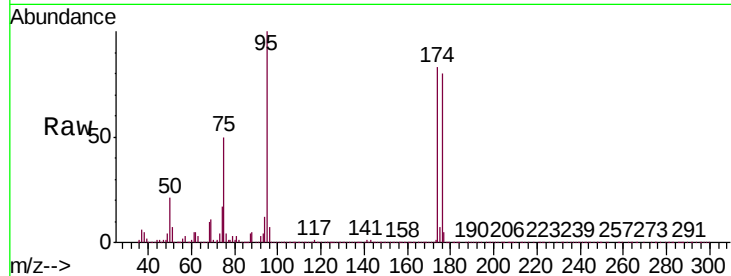




#62
4-Bromofluorobenzene
Concen: 45.353 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX013924.D
Acq: 11 Dec 2019 02:41

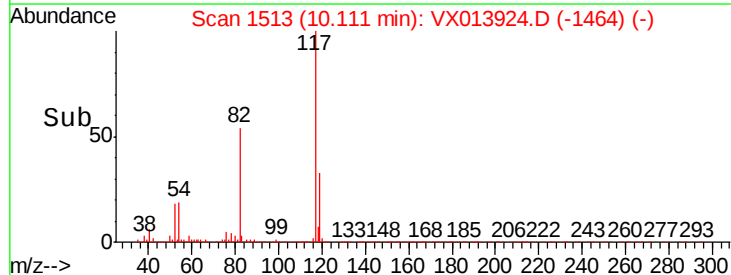
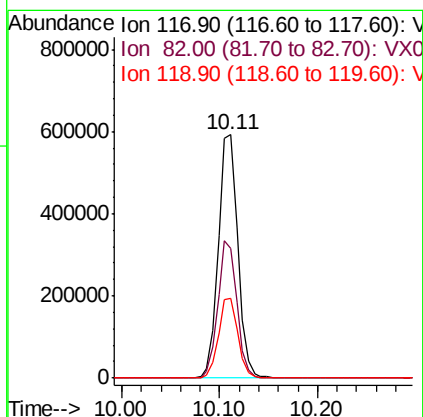
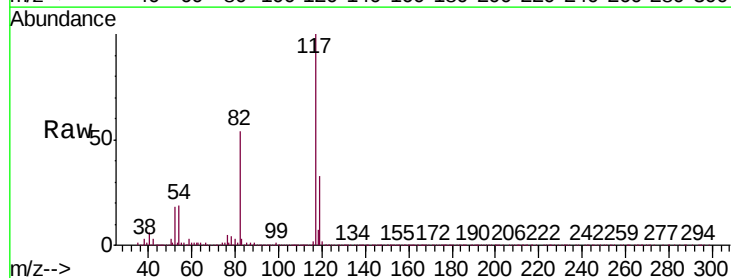
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20191205DL

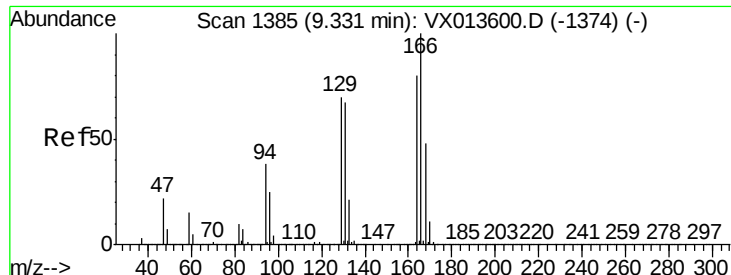
Tgt Ion: 95 Resp: 362093
Ion Ratio Lower Upper
95 100
174 90.1 0.0 180.0
176 86.7 0.0 173.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013924.D
Acq: 11 Dec 2019 02:41

Tgt Ion: 117 Resp: 820509
Ion Ratio Lower Upper
117 100
82 53.5 41.8 62.8
119 32.5 25.8 38.8

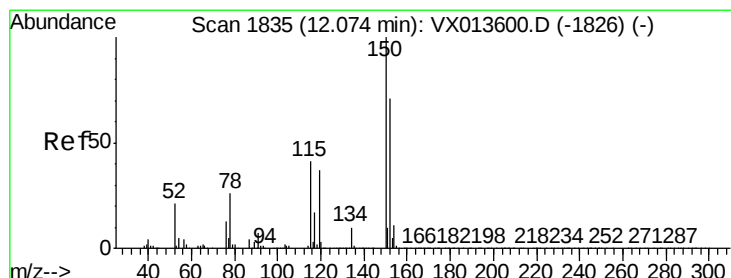
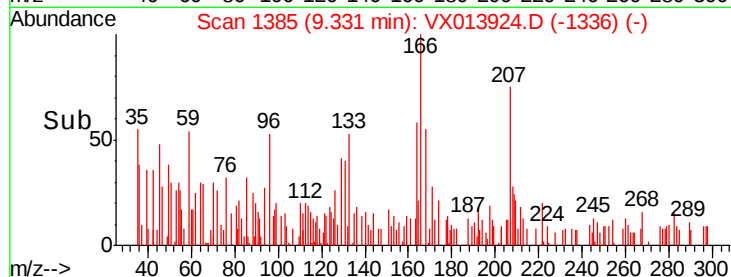
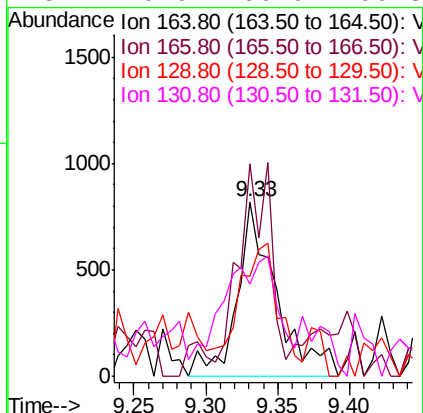
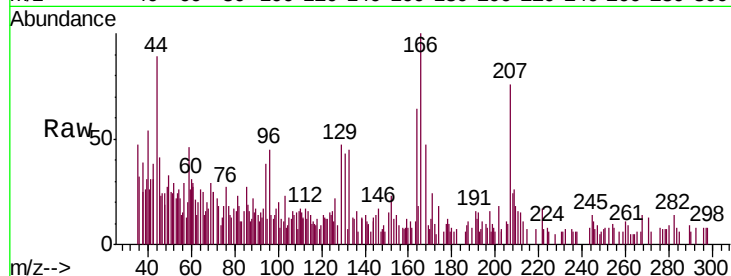




#64
Tetrachloroethene
Concen: 0.252 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013924.D
Acq: 11 Dec 2019 02:41

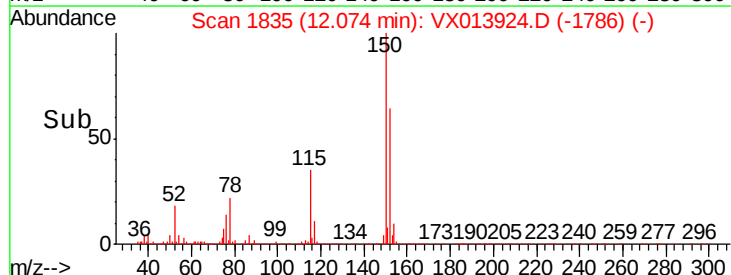
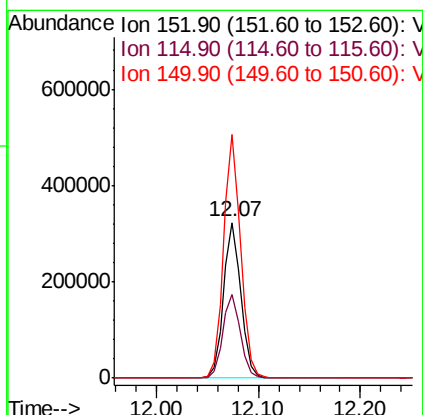
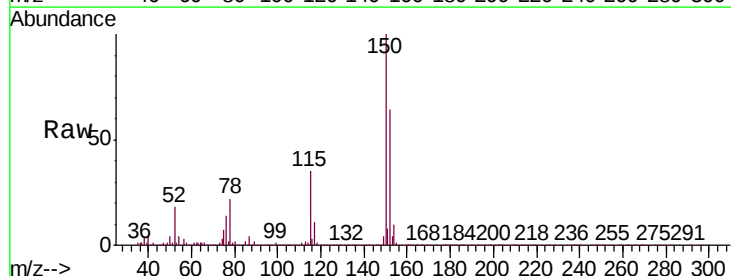
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20191205DL

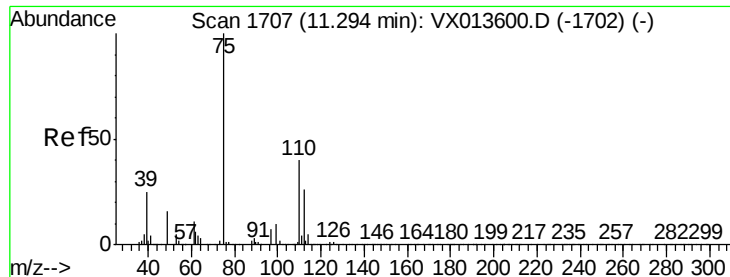
Tgt Ion:164 Resp: 1543
Ion Ratio Lower Upper
164 100
166 112.8 99.7 149.5
129 33.1 70.1 105.1#
131 49.9 66.9 100.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013924.D
Acq: 11 Dec 2019 02:41

Tgt Ion:152 Resp: 379831
Ion Ratio Lower Upper
152 100
115 55.0 38.4 115.1
150 154.9 0.0 346.8





#76

1,2,3-Trichloropropane

Concen: 20.892 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013924.D

Acq: 11 Dec 2019 02:41

Instrument :

MSVOA_X

ClientSampleId :

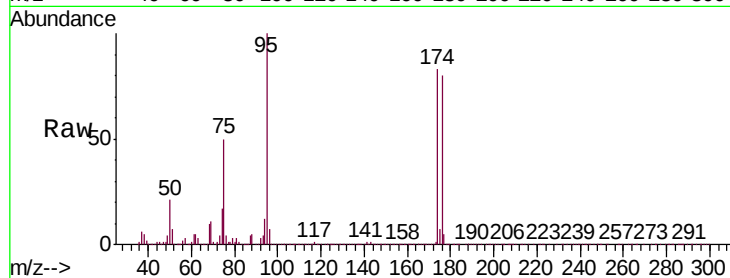
TT101D1-20191205DL

Tgt Ion: 75 Resp: 178479

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

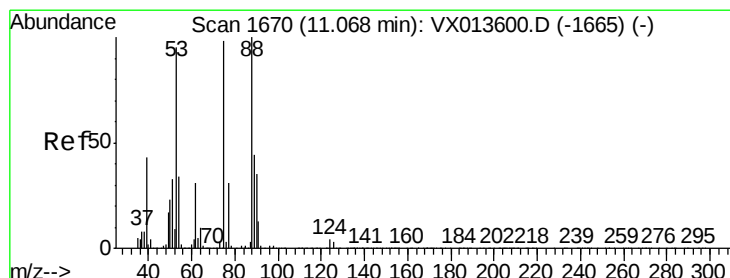
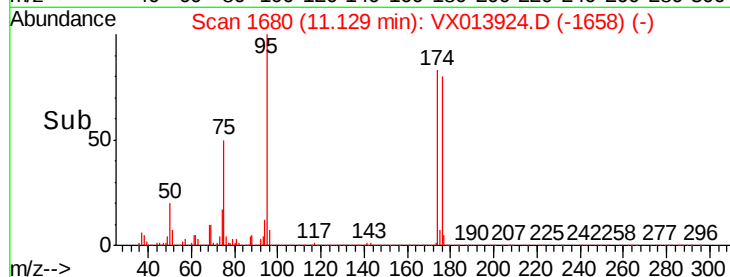
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 57.156 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013924.D

Acq: 11 Dec 2019 02:41

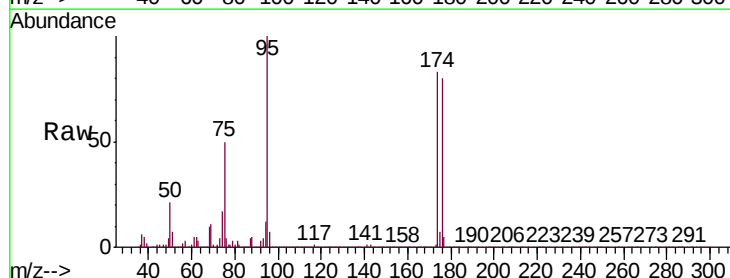
Tgt Ion: 75 Resp: 178479

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.2#

89 0.1 35.4 53.2#



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

11.13

150000

100000

50000

0

Time-->

