

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120919\
 Data File : VX0137865.D
 Acq On : 09 Dec 2019 20:51
 Operator : JC/SP
 Sample : K6185-13DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 10 03:29:36 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	600482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	928980	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	822348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	353691	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	337320	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	
35) Dibromofluoromethane	5.49	113	280710	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
50) Toluene-d8	8.71	98	1088584	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
62) 4-Bromofluorobenzene	11.14	95	360551	44.69	ug/l	0.00
Spiked Amount			Recovery	=	89.38%	

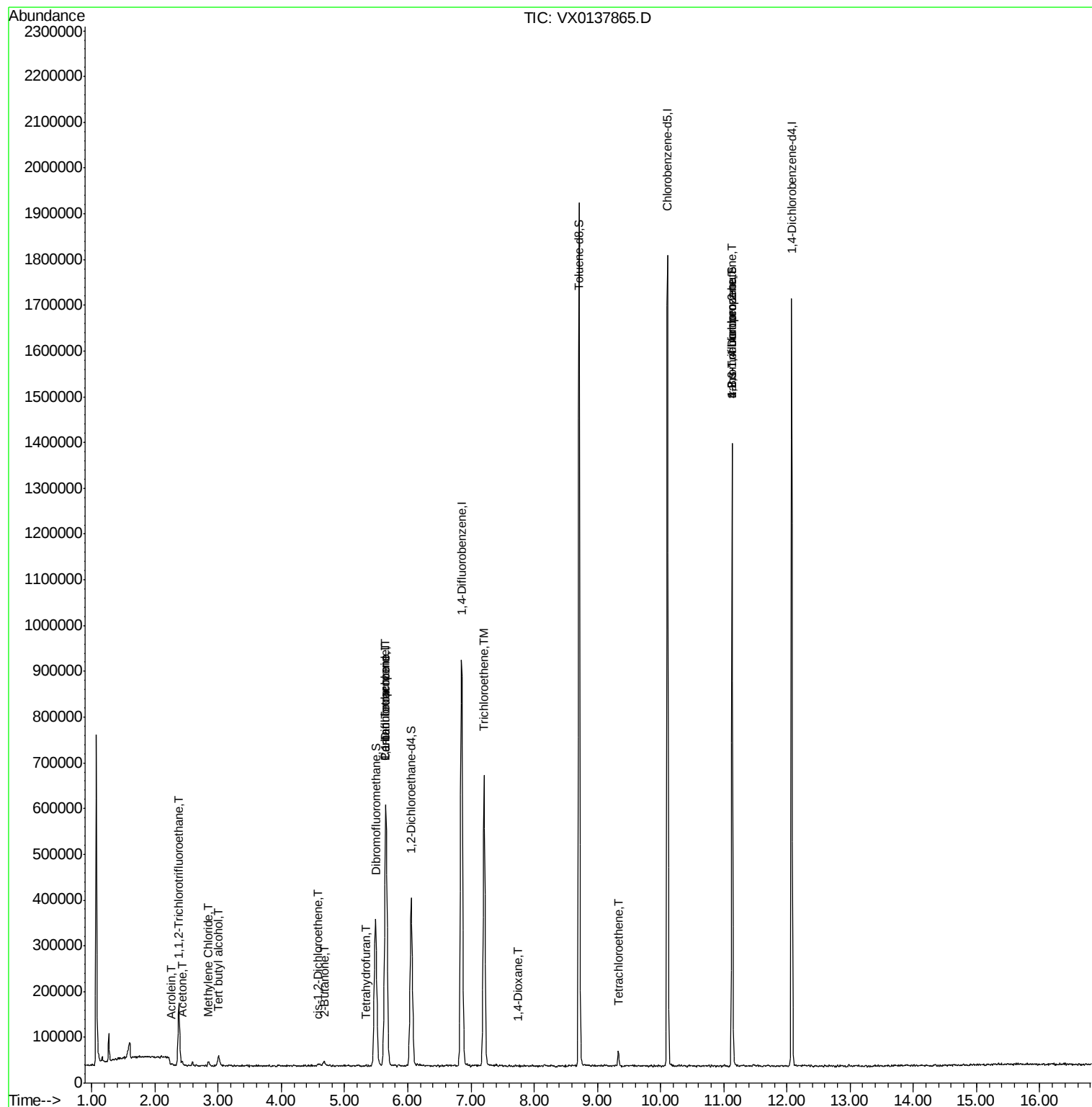
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.37	101	58543	10.226	ug/l	100
11) Tert butyl alcohol	3.01	59	15710	9.131	ug/l #	74
13) Acrolein	2.26	56	650	6.555	ug/l #	81
16) Acetone	2.43	43	11813	3.433	ug/l	97
20) Methylene Chloride	2.85	84	5193	0.785	ug/l #	94
25) 2-Butanone	4.67	43	2288	0.447	ug/l #	49
27) cis-1,2-Dichloroethene	4.59	96	2548	0.356	ug/l	57
29) Tetrahydrofuran	5.33	42	676	0.214	ug/l	96
36) 1,1-Dichloropropene	5.65	75	41716	4.947	ug/l #	52
38) Carbon Tetrachloride	5.65	117	51678	6.646	ug/l #	17
44) Trichloroethene	7.21	130	255180	36.202	ug/l	96
49) 1,4-Dioxane	7.73	88	442	2.609	ug/l	98
64) Tetrachloroethene	9.33	164	7405	1.207	ug/l #	86
76) 1,2,3-Trichloropropane	11.14	75	177319	22.290	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	177319	60.981	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: VX0137865.D

Acq: 09 Dec 2019 20:51

Instrument :

MSVOA_X

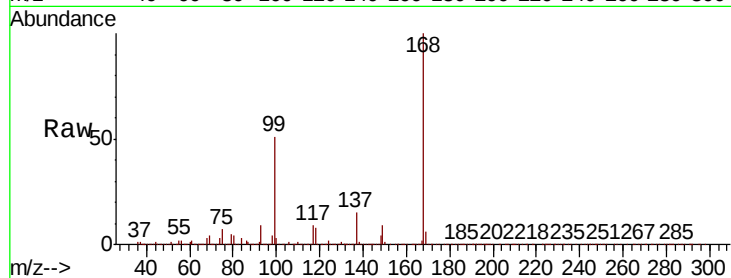
ClientSampleId :

Tot Ion:168 Resp: 600482

Ion Ratio Lower Upper

168 100

99 50.8 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

200000

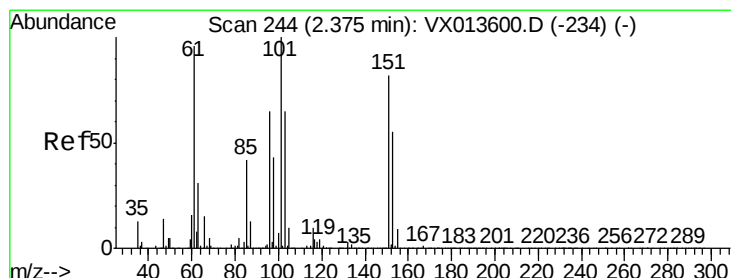
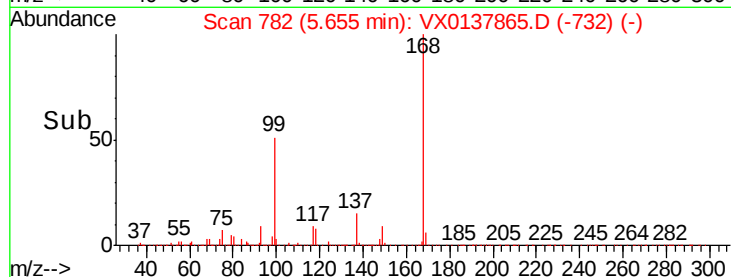
150000

100000

50000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.226 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX0137865.D

Acq: 09 Dec 2019 20:51

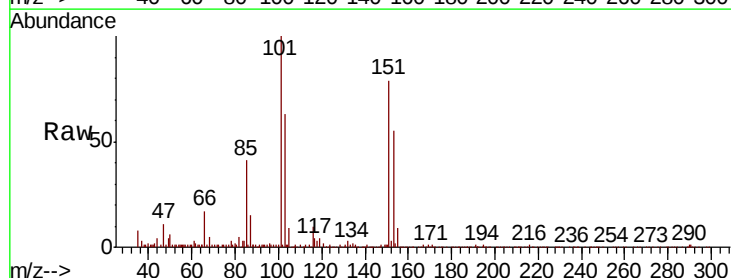
Tgt Ion:101 Resp: 58543

Ion Ratio Lower Upper

101 100

85 42.5 33.9 50.9

151 80.2 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

2.37

40000

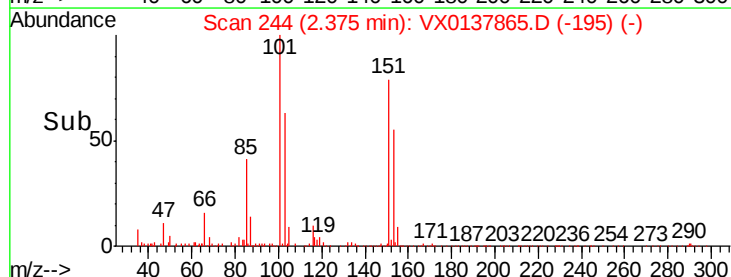
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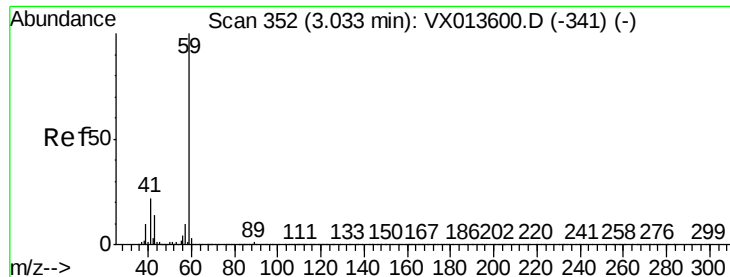
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Time-->



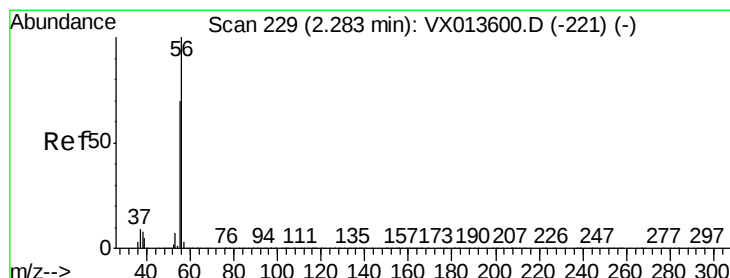
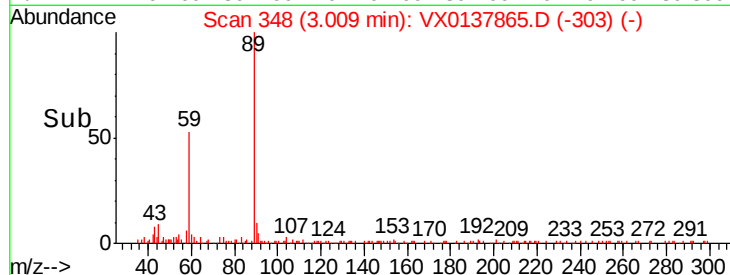
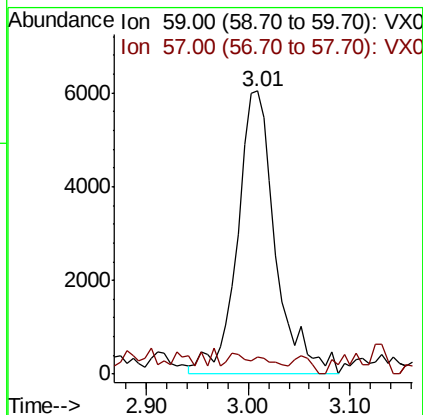
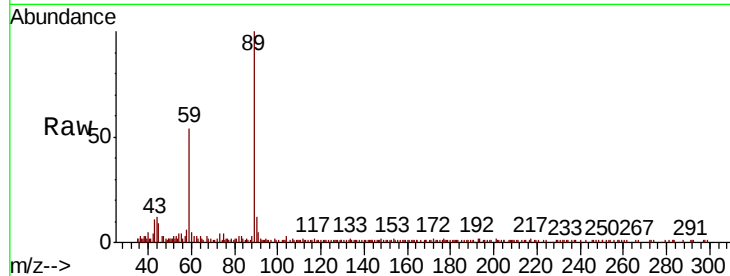


#11

Tert butyl alcohol
Concen: 9.131 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX0137865.D
Acq: 09 Dec 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :

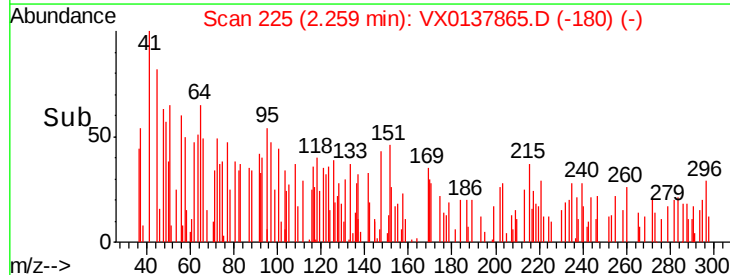
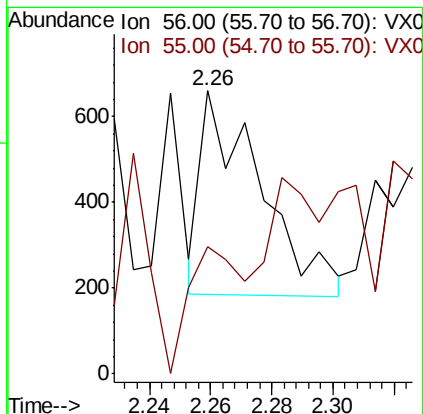
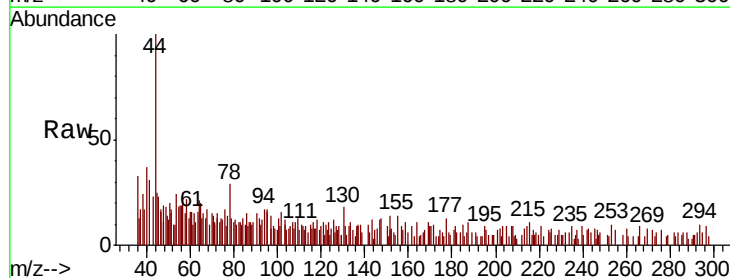
Tot Ion: 59 Resp: 15710
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

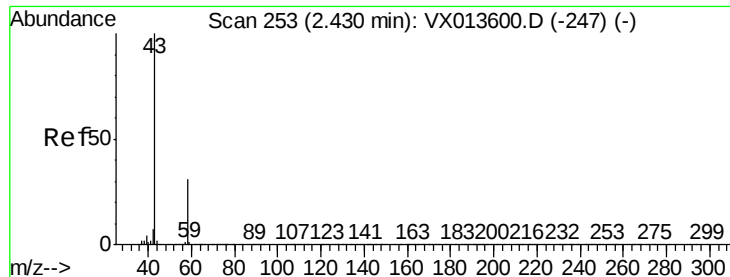


#13

Acrolein
Concen: 6.555 ug/l
RT: 2.26 min Scan# 225
Delta R.T. -0.02 min
Lab File: VX0137865.D
Acq: 09 Dec 2019 20:51

Tgt Ion: 56 Resp: 650
Ion Ratio Lower Upper
56 100
55 55.1 56.2 84.4#

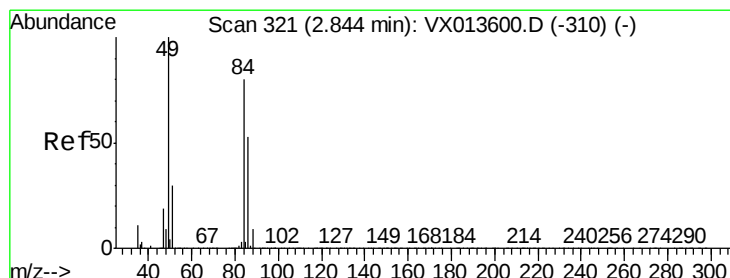
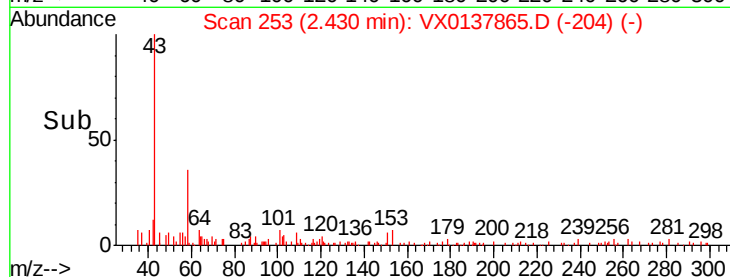
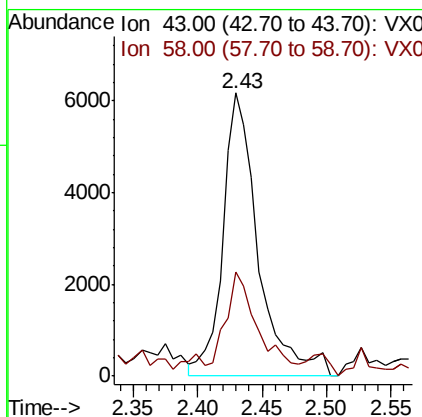
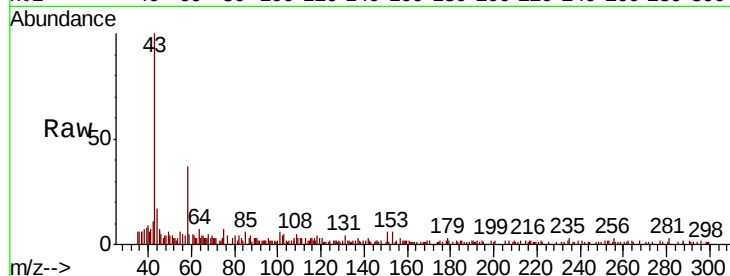




#16
Acetone
Concen: 3.433 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX0137865.D
Acq: 09 Dec 2019 20:51

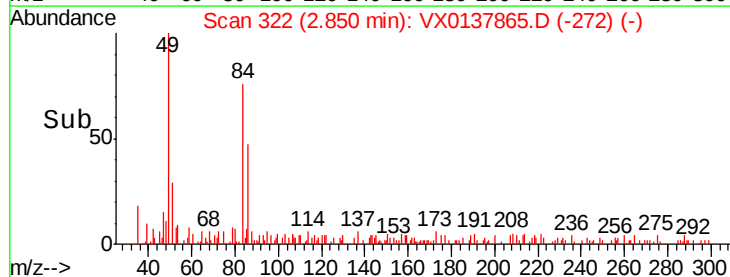
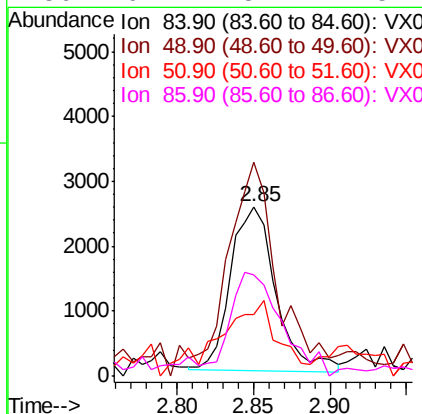
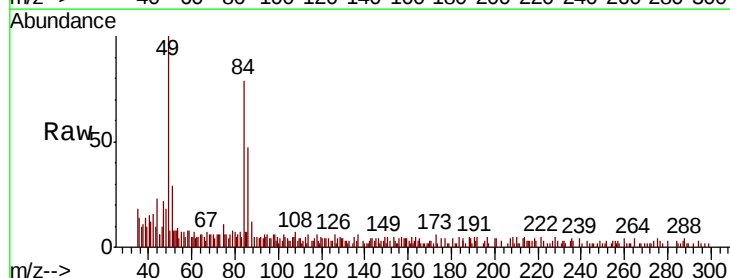
Instrument :
MSVOA_X
ClientSampleId :

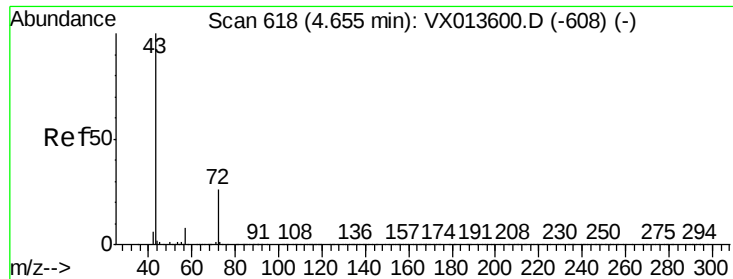
Tot Ion: 43 Resp: 11813
Ion Ratio Lower Upper
43 100
58 32.3 24.6 36.8



#20
Methylene Chloride
Concen: 0.785 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX0137865.D
Acq: 09 Dec 2019 20:51

Tgt Ion: 84 Resp: 5193
Ion Ratio Lower Upper
84 100
49 126.9 99.7 149.5
51 22.3 29.9 44.9#
86 62.7 52.2 78.4





#25

2-Butanone

Concen: 0.447 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.02 min

Lab File: VX0137865.D

Acq: 09 Dec 2019 20:51

Instrument :

MSVOA_X

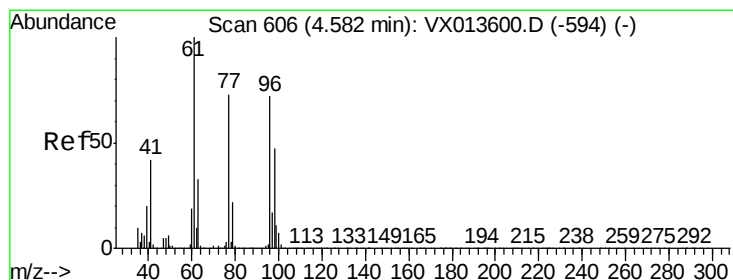
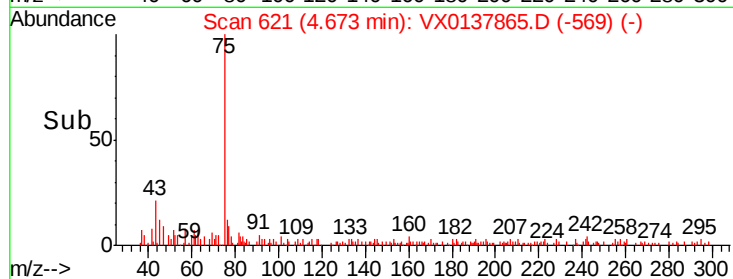
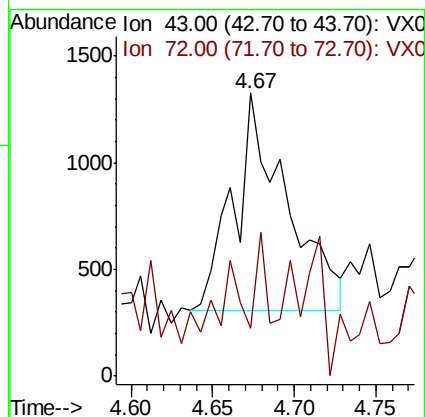
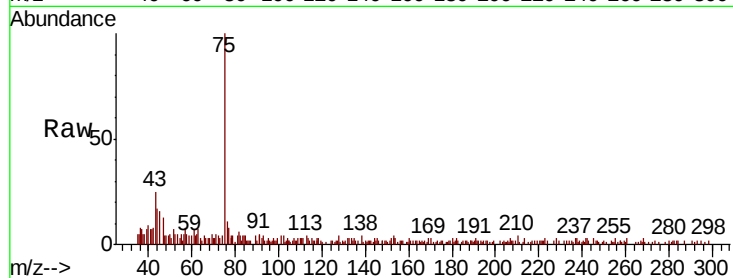
ClientSampleId :

Tot Ion: 43 Resp: 2288

Ion Ratio Lower Upper

43 100

72 0.0 20.6 31.0#



#27

cis-1,2-Dichloroethene

Concen: 0.356 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX0137865.D

Acq: 09 Dec 2019 20:51

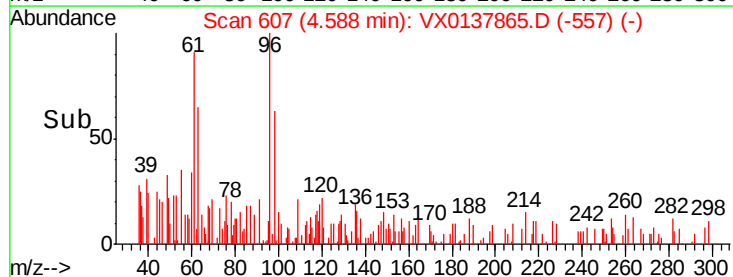
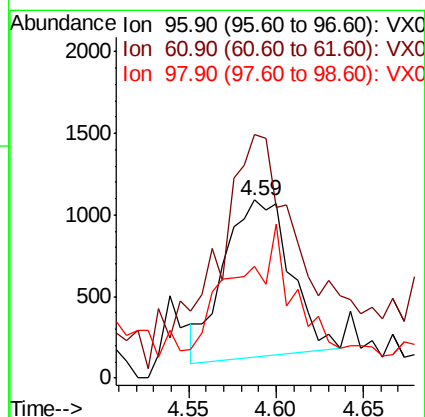
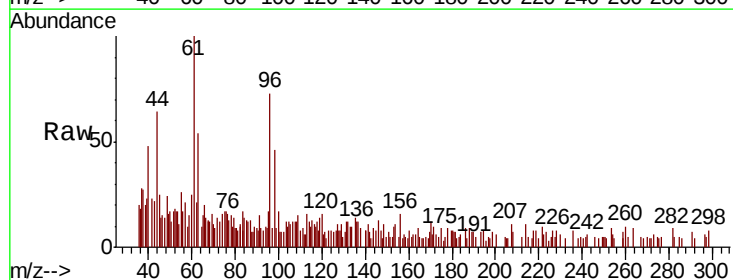
Tgt Ion: 96 Resp: 2548

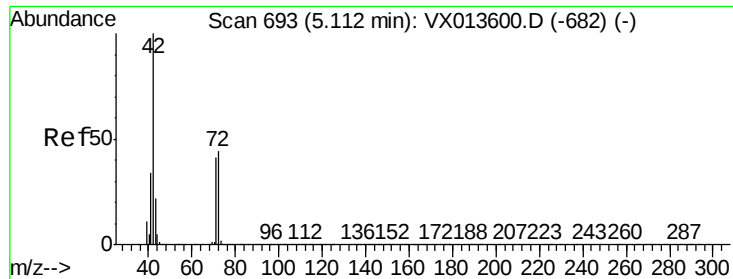
Ion Ratio Lower Upper

96 100

61 207.7 0.0 286.4

98 81.1 0.0 127.4





#29

Tetrahydrofuran

Concen: 0.214 ug/l

RT: 5.33 min Scan# 729

Delta R.T. 0.22 min

Lab File: VX0137865.D

Acq: 09 Dec 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

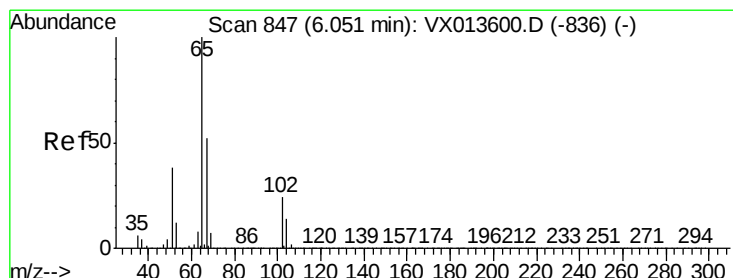
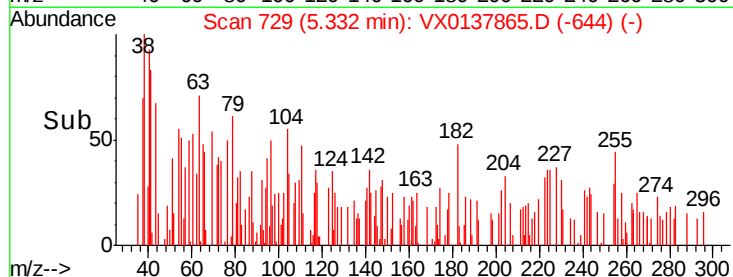
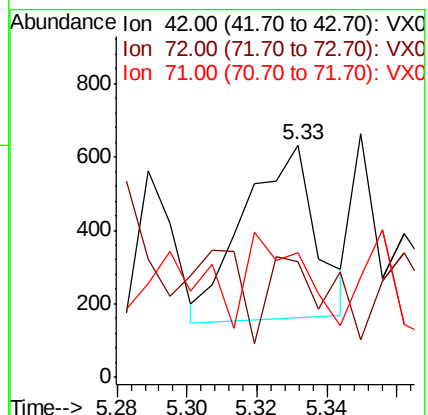
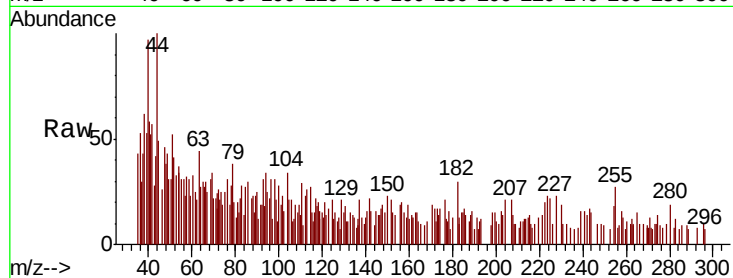
Tot Ion: 42 Resp: 676

Ion Ratio Lower Upper

42 100

72 40.8 36.3 54.5

71 40.5 33.2 49.8



#33

1,2-Dichloroethane-d4

Concen: 48.394 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX0137865.D

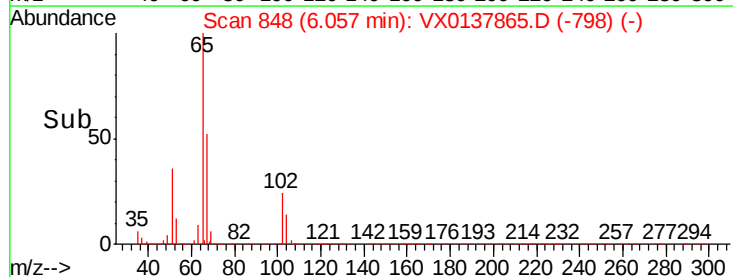
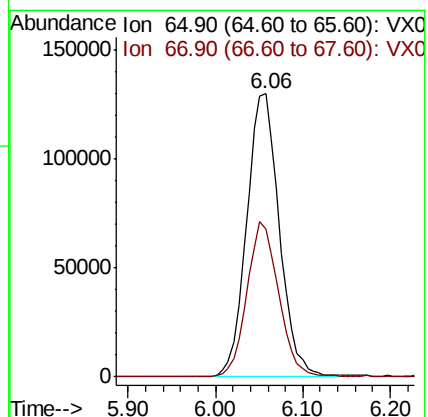
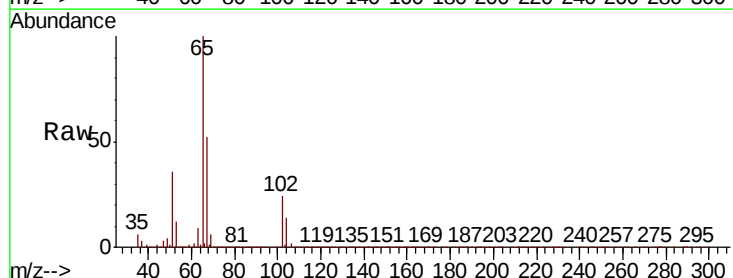
Acq: 09 Dec 2019 20:51

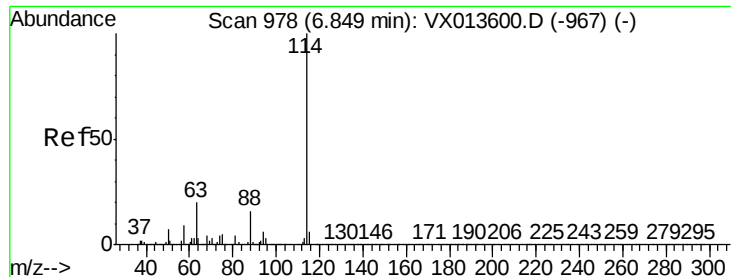
Tgt Ion: 65 Resp: 337320

Ion Ratio Lower Upper

65 100

67 53.2 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX0137865.D

Acq: 09 Dec 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

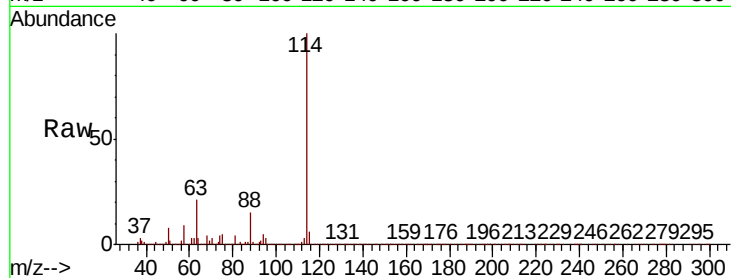
Tot Ion:114 Resp: 928980

Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.6

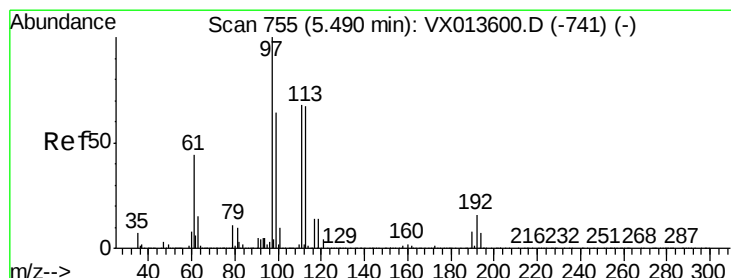
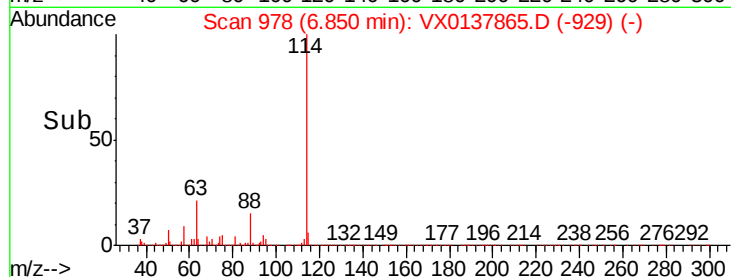
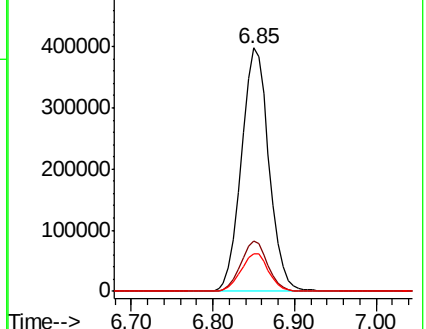
88 15.3 0.0 31.4



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: 48.878 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX0137865.D

Acq: 09 Dec 2019 20:51

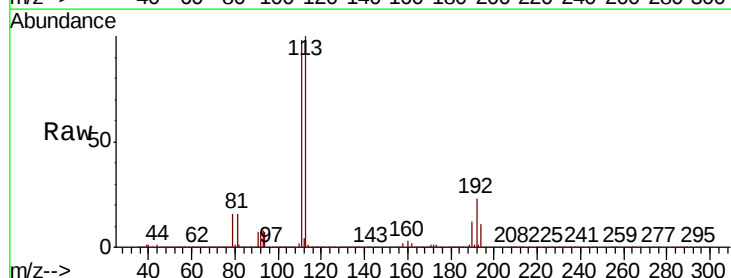
Tgt Ion:113 Resp: 280710

Ion Ratio Lower Upper

113 100

111 100.4 83.6 125.4

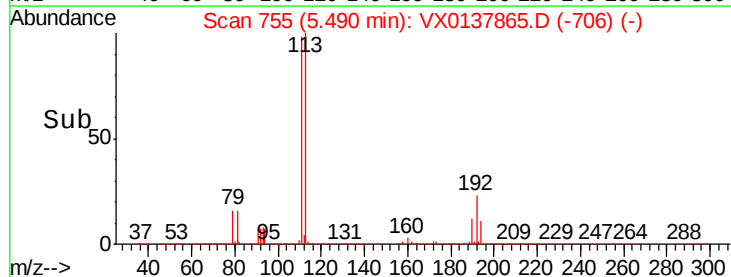
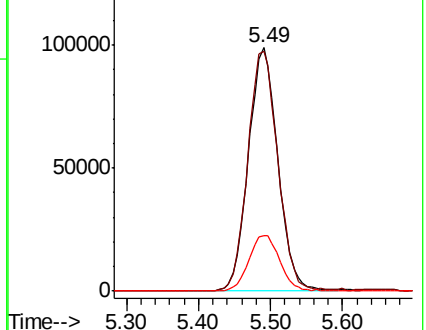
192 24.0 19.2 28.8

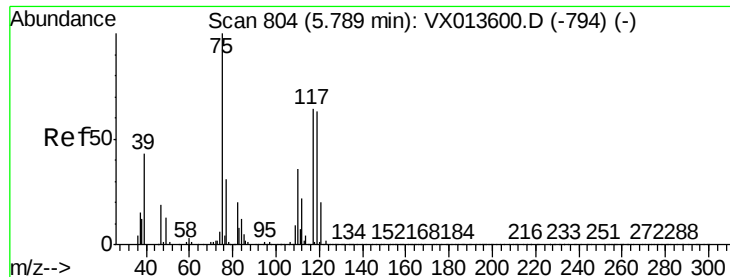


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.947 ug/l

RT: 5.65 min Scan# 782

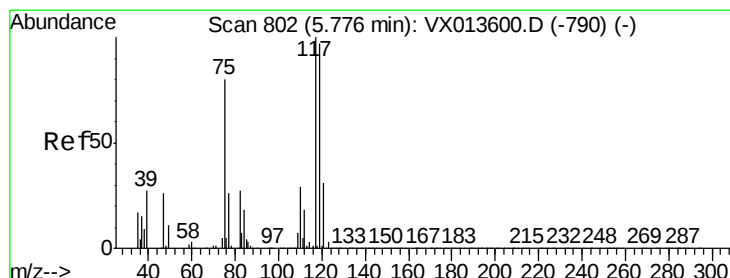
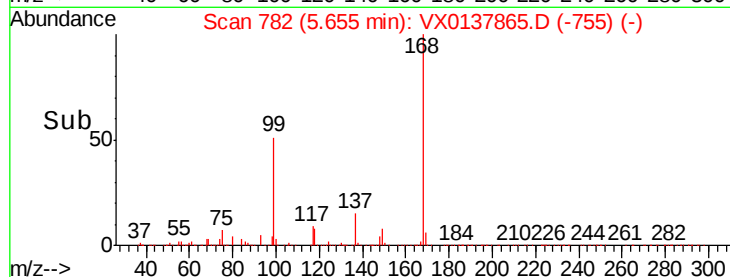
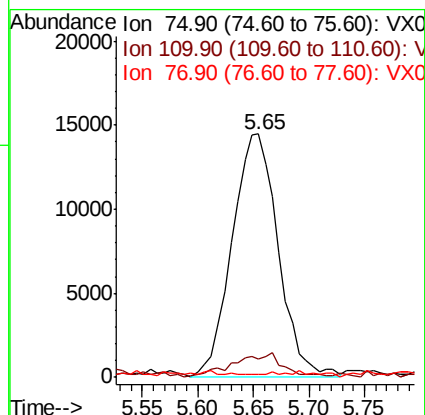
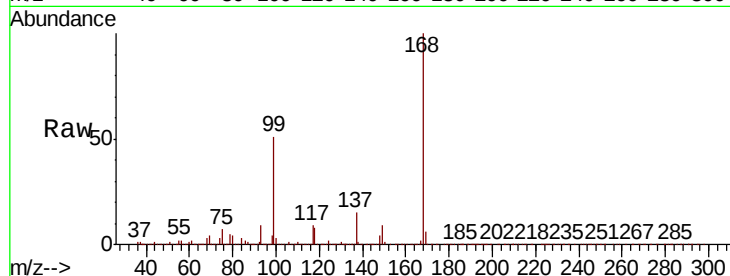
Delta R.T. -0.13 min

Lab File: VX0137865.D

Acq: 09 Dec 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	75	Resp:	41716
Ion	Ratio	Lower	Upper
75	100		
110	11.0	18.1	54.1#
77	1.0	24.5	36.7#



#38

Carbon Tetrachloride

Concen: 6.646 ug/l

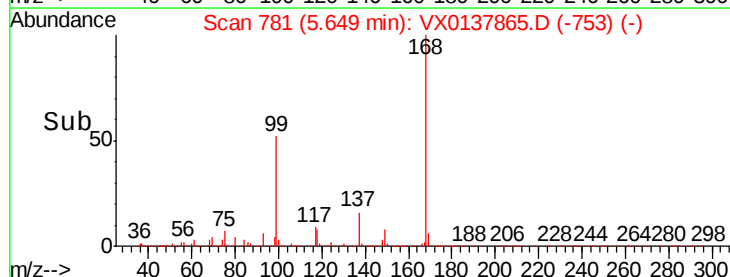
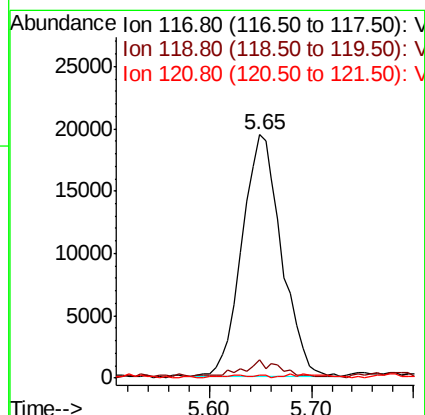
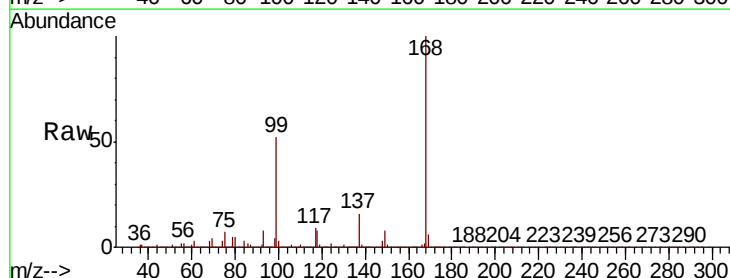
RT: 5.65 min Scan# 781

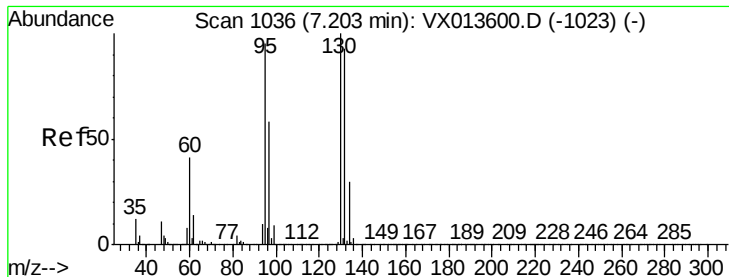
Delta R.T. -0.13 min

Lab File: VX0137865.D

Acq: 09 Dec 2019 20:51

Tgt Ion:	117	Resp:	51678
Ion	Ratio	Lower	Upper
117	100		
119	7.0	77.5	116.3#
121	0.5	25.0	37.6#





#44

Trichloroethene

Concen: 36.202 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX0137865.D

Acq: 09 Dec 2019 20:51

Instrument :

MSVOA_X

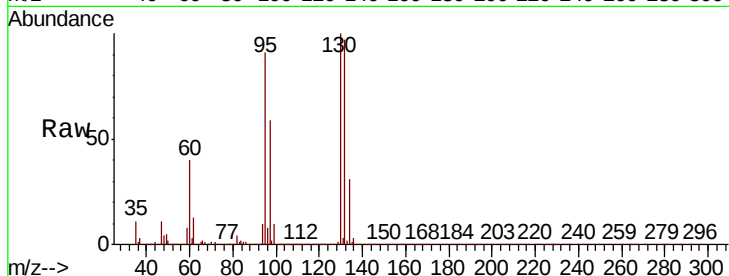
ClientSampleId :

Tot Ion:130 Resp: 255180

Ion Ratio Lower Upper

130 100

95 91.2 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

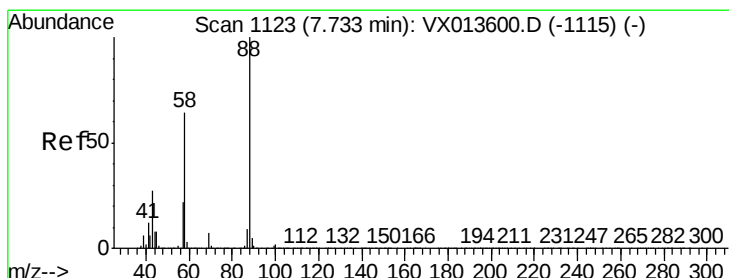
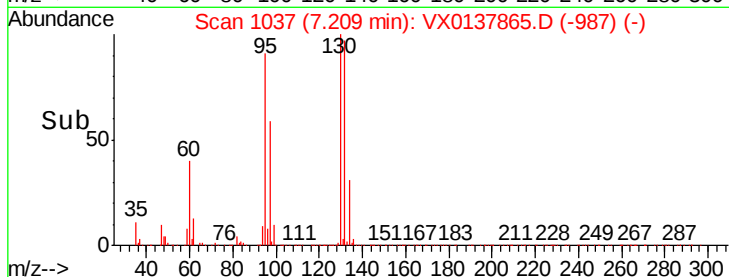
7.21

100000

50000

0

Time-->



#49

1,4-Dioxane

Concen: 2.609 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX0137865.D

Acq: 09 Dec 2019 20:51

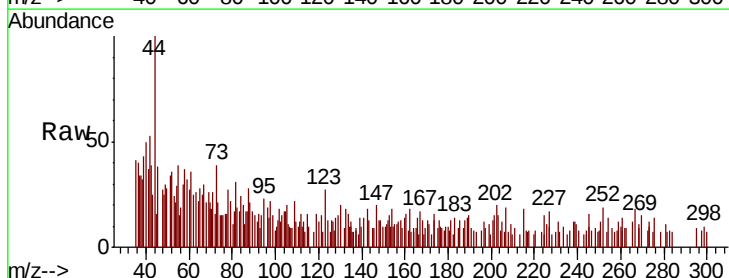
Tgt Ion: 88 Resp: 442

Ion Ratio Lower Upper

88 100

43 34.2 25.8 38.6

58 68.8 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

800

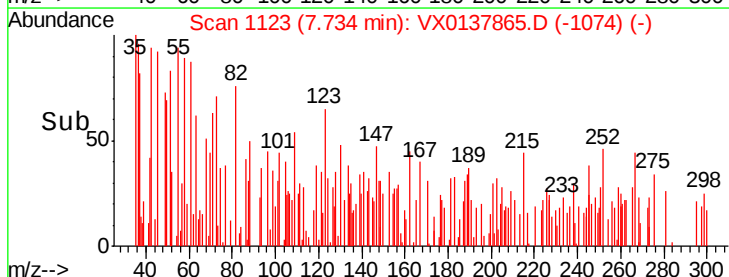
600

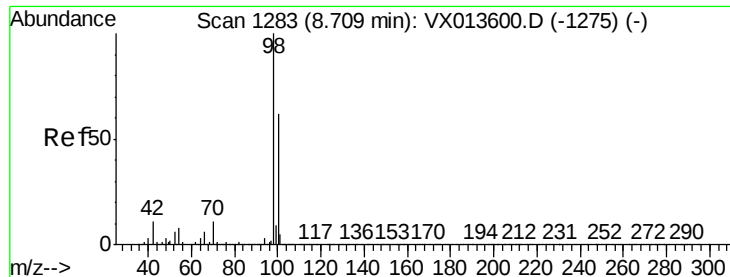
400

200

0

Time-->





#50

Toluene-d8

Concen: 48.650 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX0137865.D

Acq: 09 Dec 2019 20:51

Instrument :

MSVOA_X

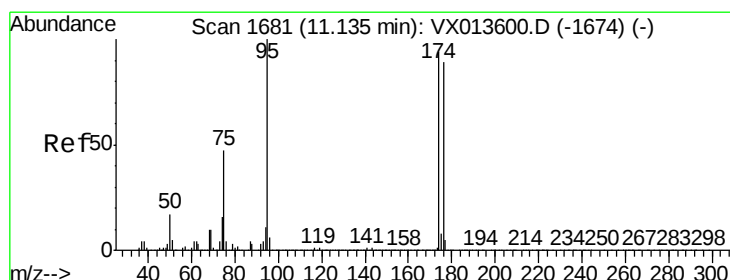
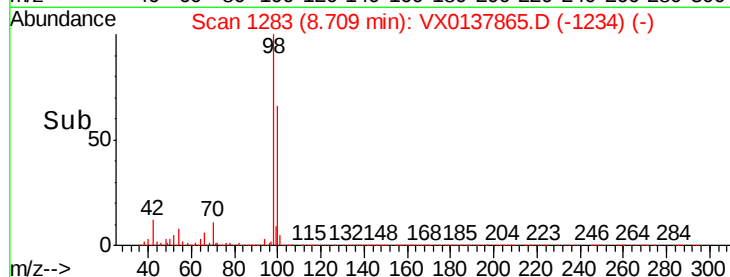
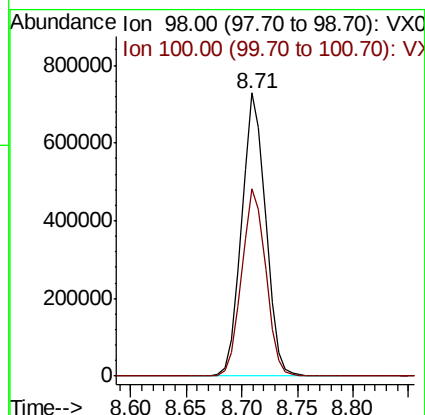
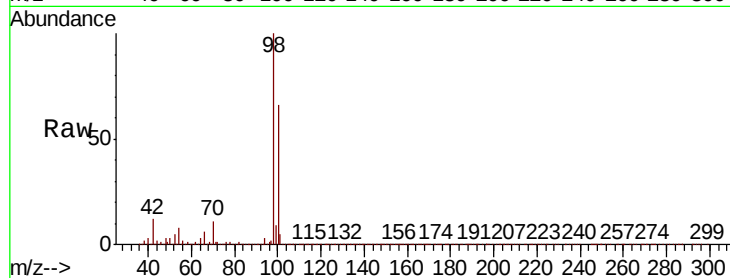
ClientSampleId :

Tot Ion: 98 Resp: 1088584

Ion Ratio Lower Upper

98 100

100 66.5 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 44.685 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX0137865.D

Acq: 09 Dec 2019 20:51

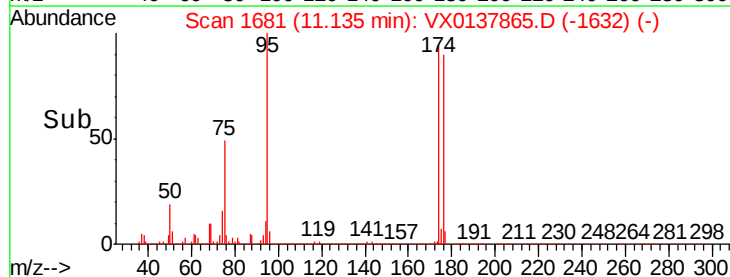
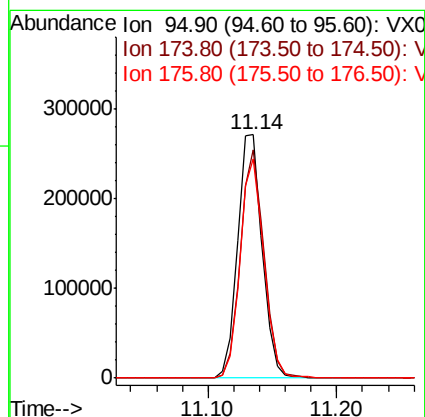
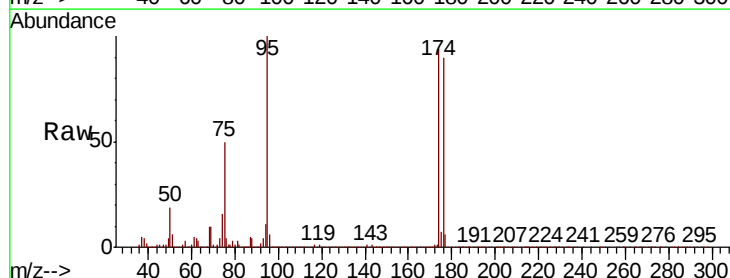
Tgt Ion: 95 Resp: 360551

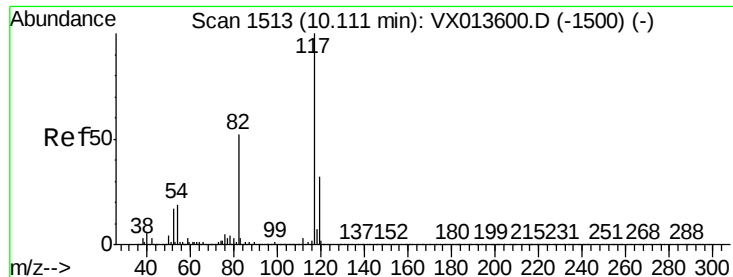
Ion Ratio Lower Upper

95 100

174 89.4 0.0 180.0

176 87.0 0.0 173.6

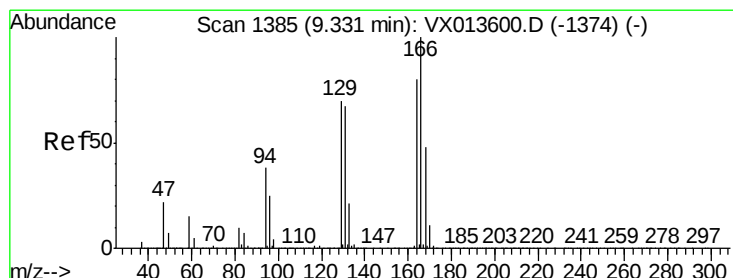
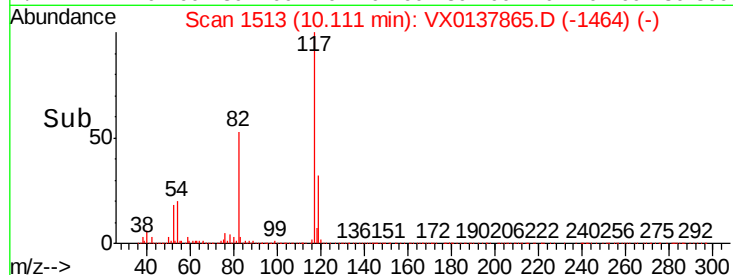
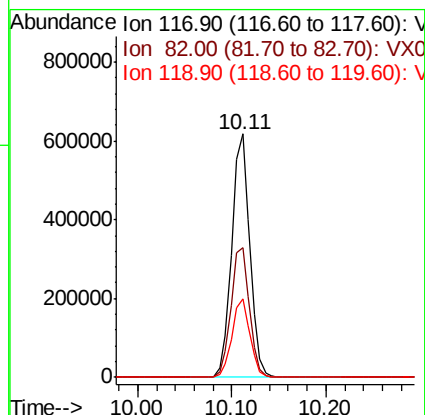
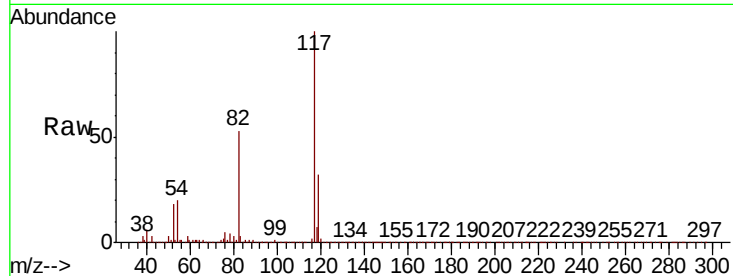




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX0137865.D
Acq: 09 Dec 2019 20:51

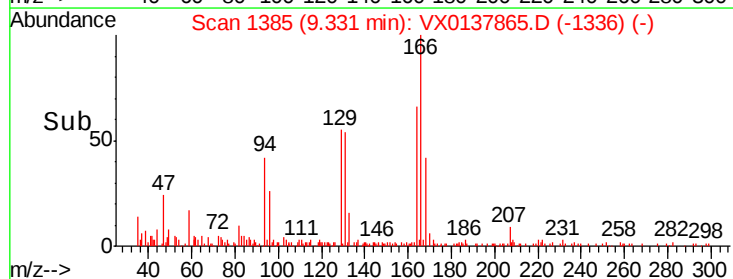
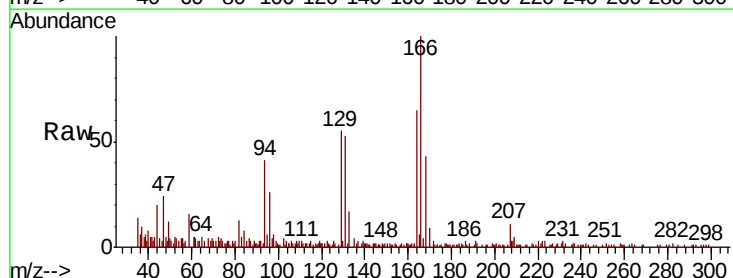
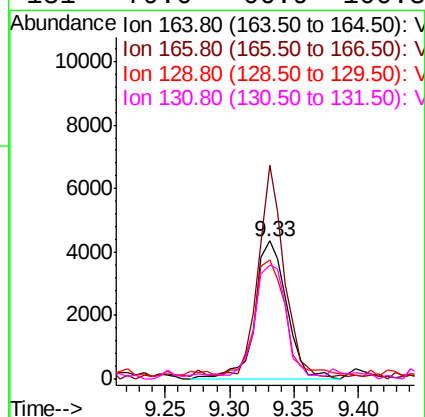
Instrument :
MSVOA_X
ClientSampleId :

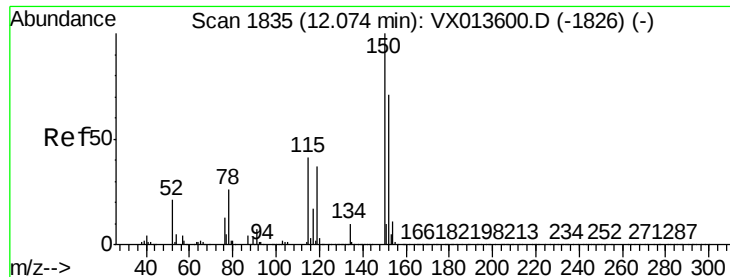
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	41.8	62.8
119	32.2	25.8	38.8



#64
Tetrachloroethene
Concen: 1.207 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX0137865.D
Acq: 09 Dec 2019 20:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	152.5	99.7	149.5#
129	82.0	70.1	105.1
131	79.0	66.9	100.3



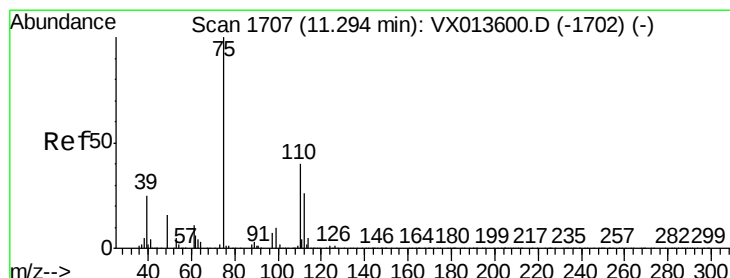
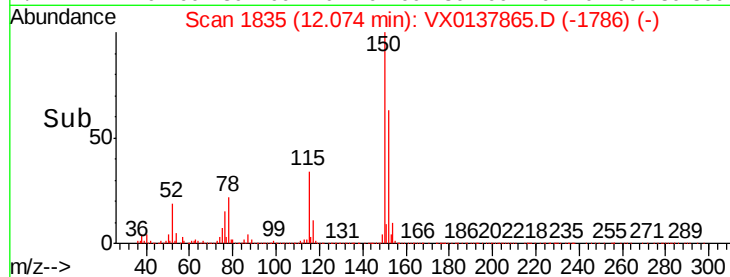
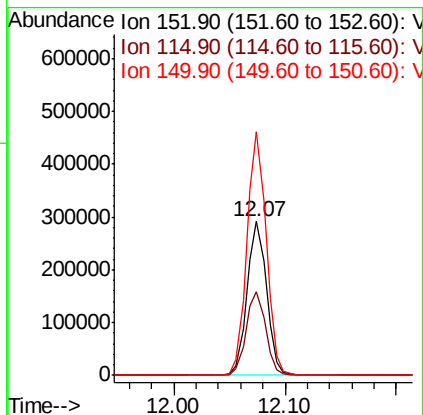
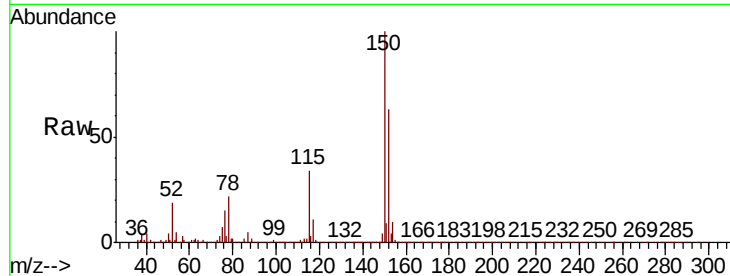


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX0137865.D
Acq: 09 Dec 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :

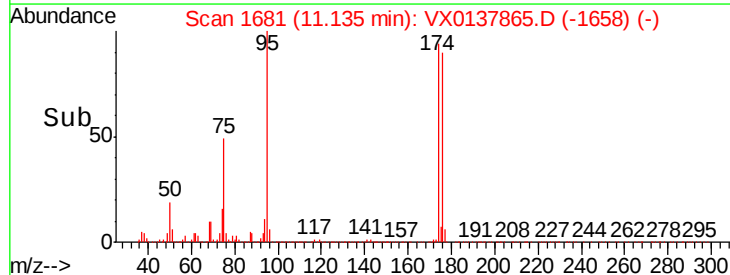
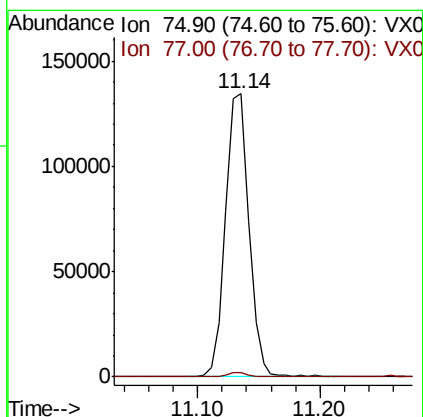
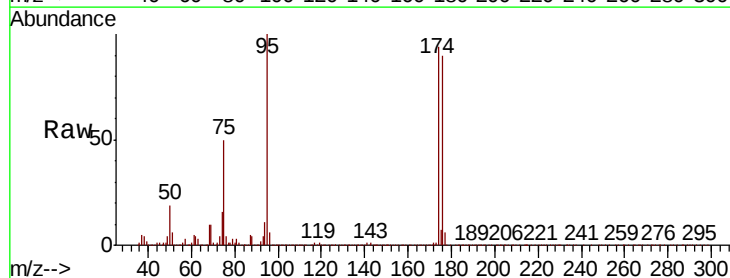
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.5	38.4	115.1
150	156.8	0.0	346.8

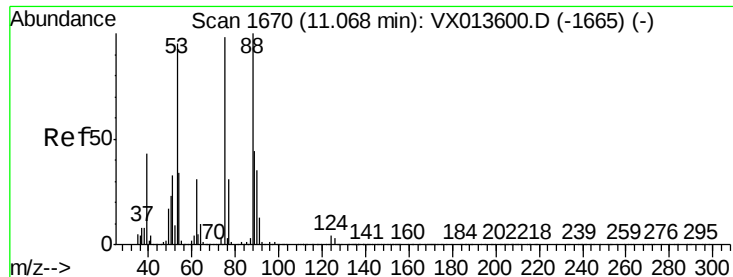


#76

1,2,3-Trichloropropane
Concen: 22.290 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.16 min
Lab File: VX0137865.D
Acq: 09 Dec 2019 20:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	19.1	57.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 60.981 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX0137865.D

Acq: 09 Dec 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

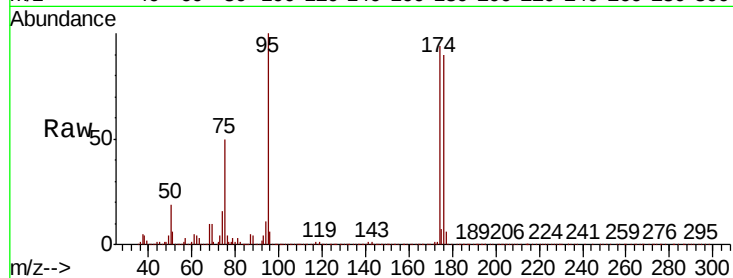
Tot Ion: 75 Resp: 177319

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.2#

89 0.0 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

