

Data File : VX013923.D
Acq On : 11 Dec 2019 02:17
Operator : JC/SP
Sample : K6185-12DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20191205DL

Quant Time: Dec 11 04:55:56 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	554403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	855113	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	769492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	351414	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	317420	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
35) Dibromofluoromethane	5.48	113	259700	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
50) Toluene-d8	8.71	98	1024512	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
62) 4-Bromofluorobenzene	11.13	95	338149	45.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.06%	

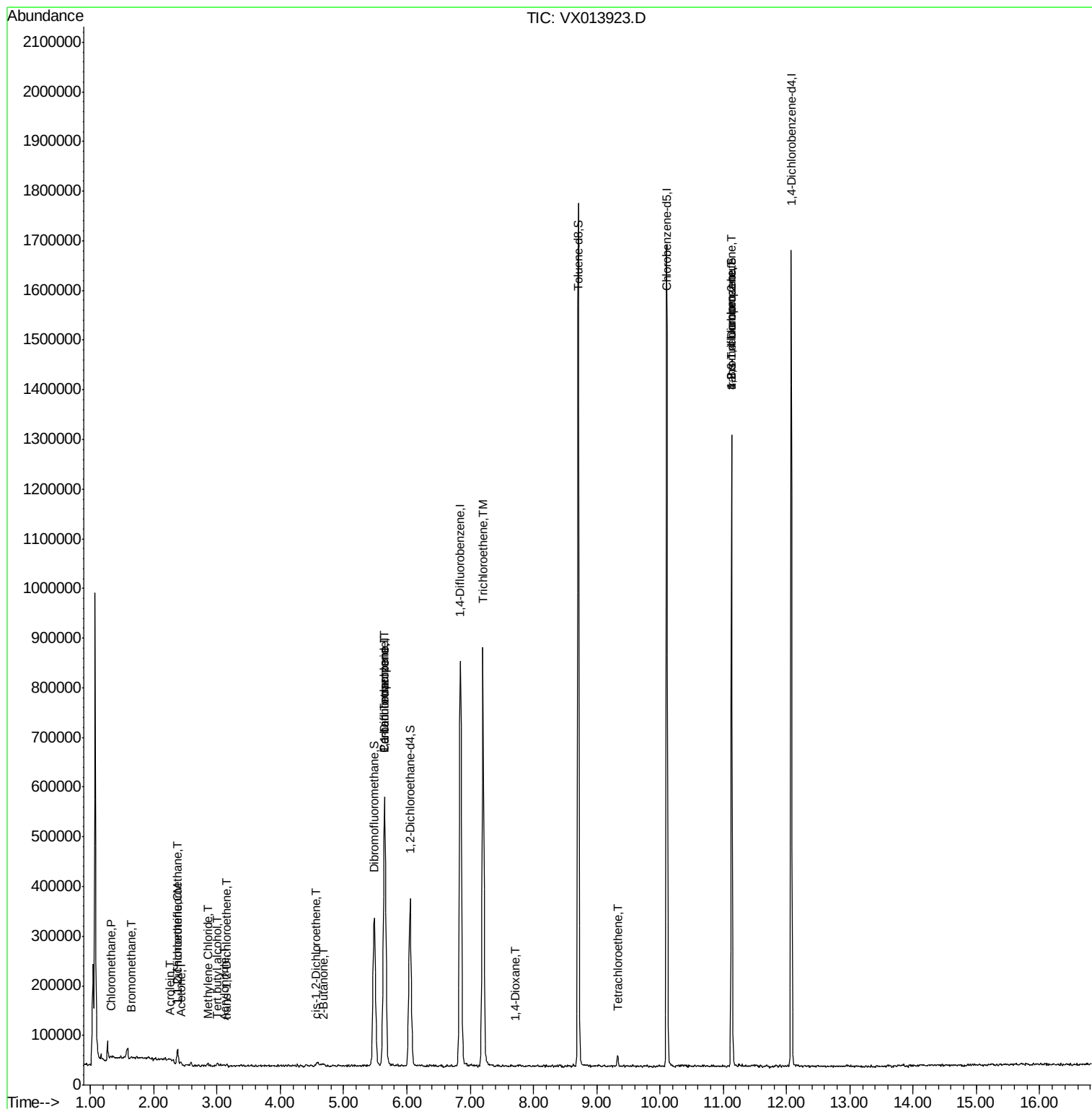
Target Compounds						Qvalue
3) Chloromethane	1.32	50	1782	0.257	ug/l #	85
5) Bromomethane	1.66	94	1830	0.350	ug/l #	79
9) 1,1,2-Trichlorotrifluoroet	2.37	101	11709	2.215	ug/l	98
11) Tert butyl alcohol	3.01	59	4452	2.803	ug/l #	87
12) 1,1-Dichloroethene	2.37	96	3321	0.629	ug/l #	82
13) Acrolein	2.27	56	337	6.313	ug/l #	1
15) Acrylonitrile	3.12	53	1058	0.323	ug/l #	17
16) Acetone	2.43	43	8312	2.616	ug/l	91
20) Methylene Chloride	2.85	84	3262	0.534	ug/l #	86
21) trans-1,2-Dichloroethene	3.16	96	1155	0.201	ug/l #	2
25) 2-Butanone	4.67	43	985	0.209	ug/l #	90
27) cis-1,2-Dichloroethene	4.58	96	5124	0.776	ug/l	85
36) 1,1-Dichloropropene	5.65	75	40068	5.162	ug/l #	51
38) Carbon Tetrachloride	5.65	117	47781	6.676	ug/l #	16
44) Trichloroethene	7.20	130	331119	51.033	ug/l	100
49) 1,4-Dioxane	7.72	88	608	3.899	ug/l #	24
64) Tetrachloroethene	9.33	164	5124	0.893	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	169391	21.431	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	169391	58.632	ug/l #	11

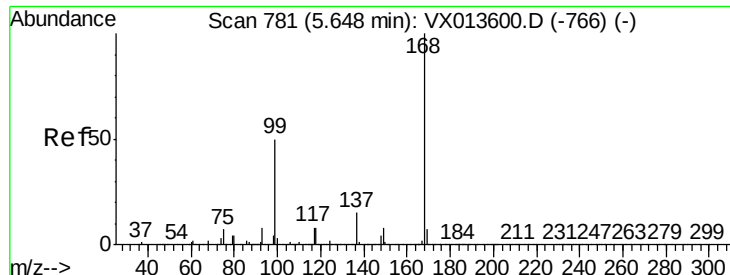
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 781

Delta R.T. 0.00 min

Lab File: VX013923.D

Acq: 11 Dec 2019 02:17

Instrument :

MSVOA_X

ClientSampleId :

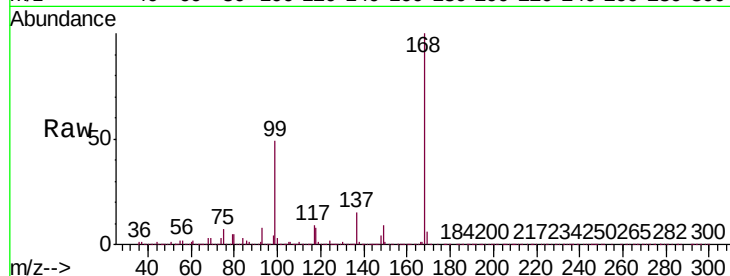
RE125D2-20191205DL

Tgt Ion:168 Resp: 554403

Ion Ratio Lower Upper

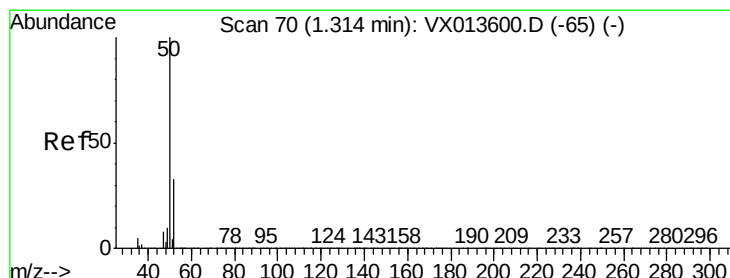
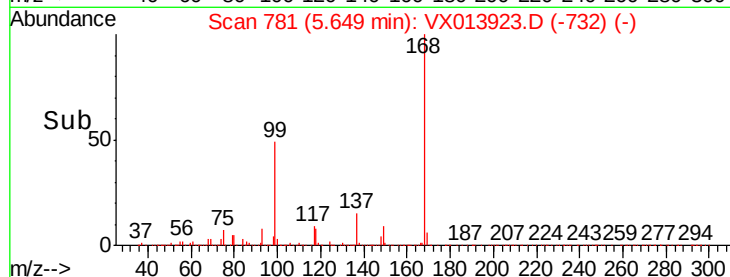
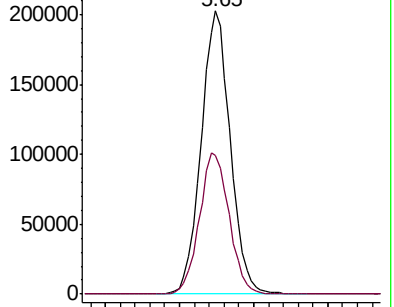
168 100

99 48.9 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.257 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013923.D

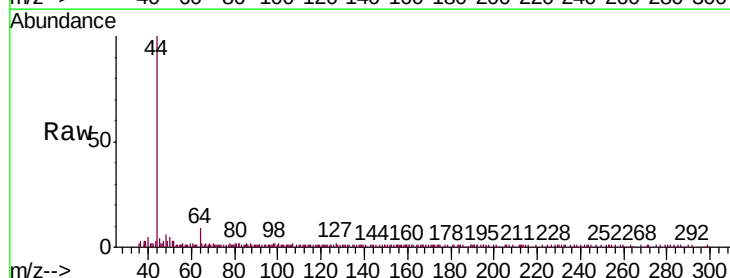
Acq: 11 Dec 2019 02:17

Tgt Ion: 50 Resp: 1782

Ion Ratio Lower Upper

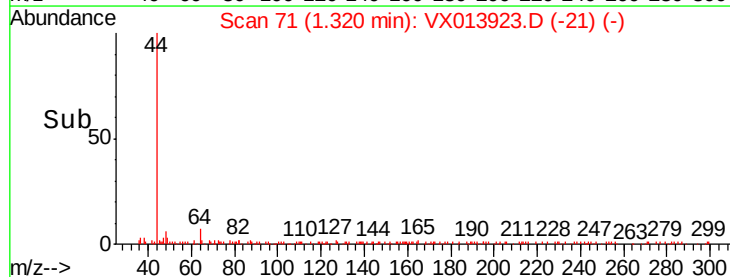
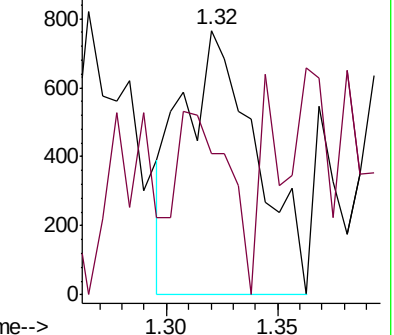
50 100

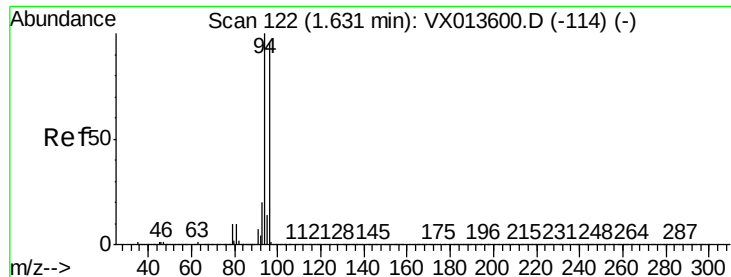
52 24.3 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.350 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.02 min

Lab File: VX013923.D

Acq: 11 Dec 2019 02:17

Instrument :

MSVOA_X

ClientSampleId :

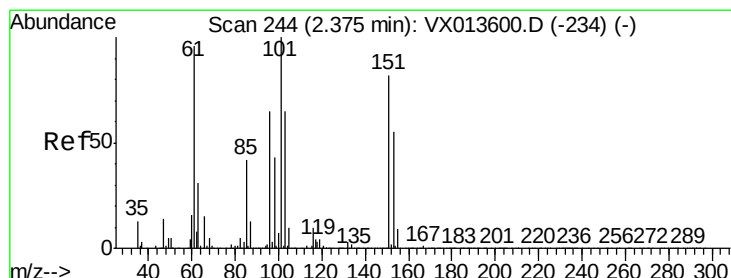
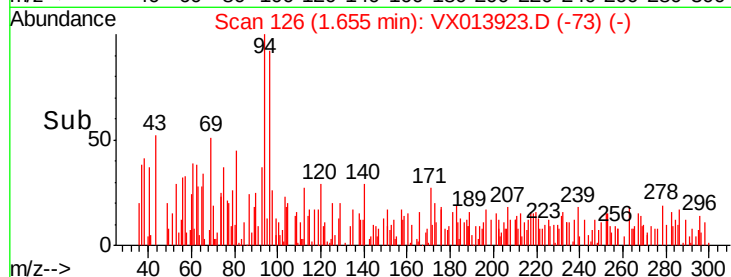
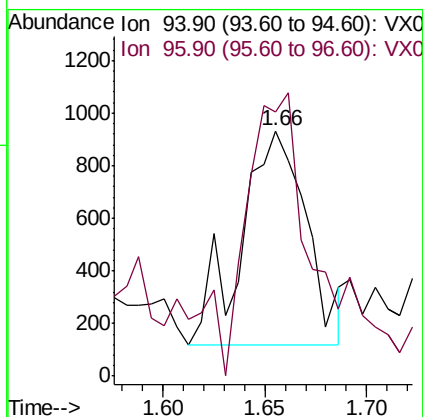
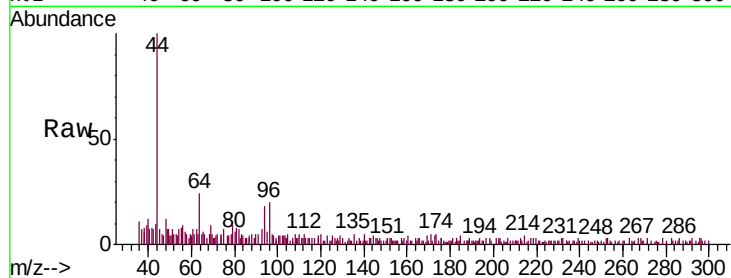
RE125D2-20191205DL

Tgt Ion: 94 Resp: 1830

Ion Ratio Lower Upper

94 100

96 117.1 77.0 115.4#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.215 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX013923.D

Acq: 11 Dec 2019 02:17

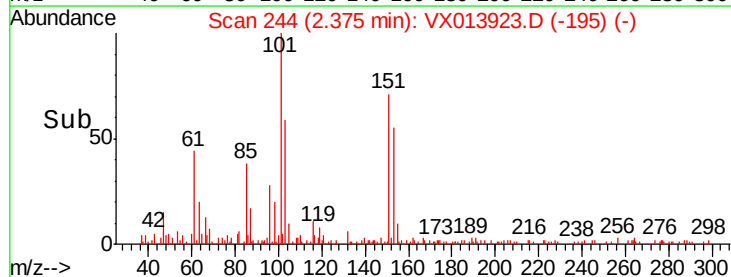
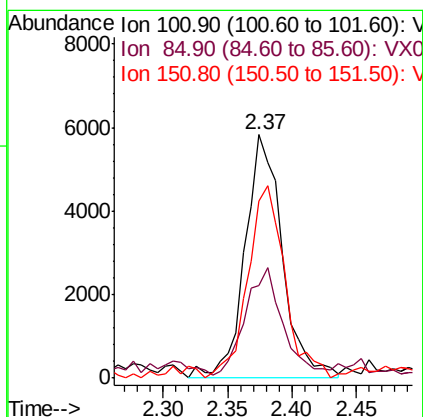
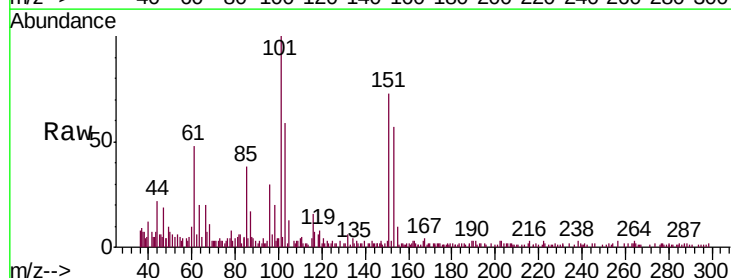
Tgt Ion: 101 Resp: 11709

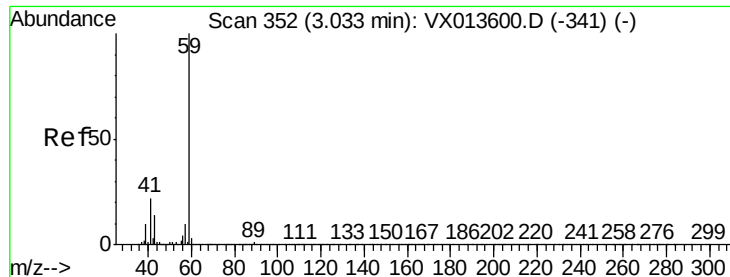
Ion Ratio Lower Upper

101 100

85 43.1 33.9 50.9

151 78.2 64.2 96.2



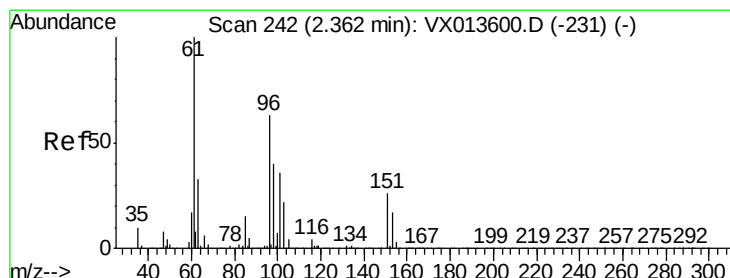
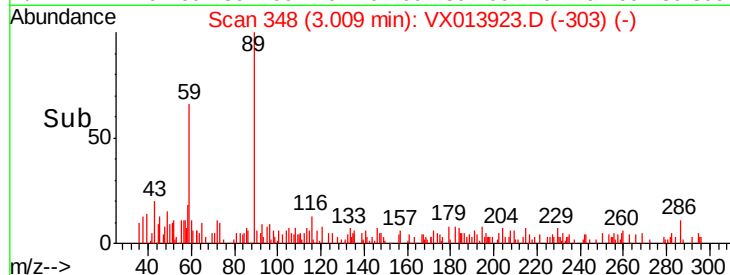
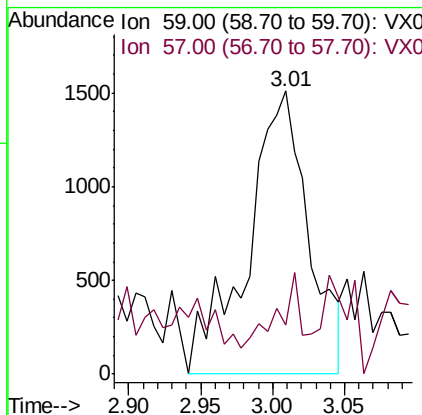
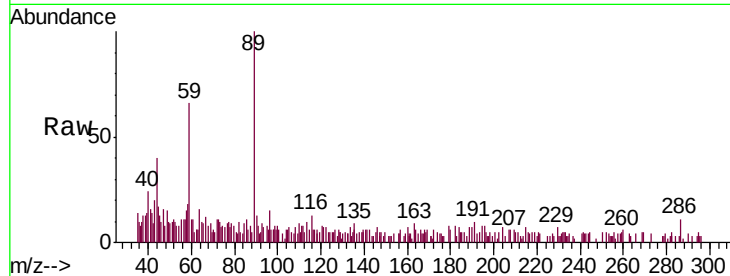


#11

Tert butyl alcohol
Concen: 2.803 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX013923.D
Acq: 11 Dec 2019 02:17

Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20191205DL

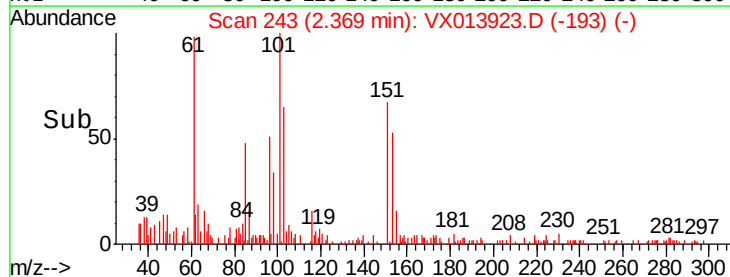
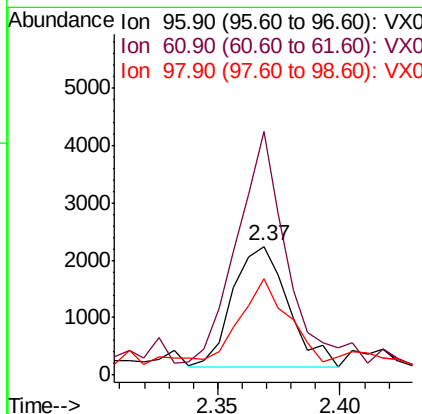
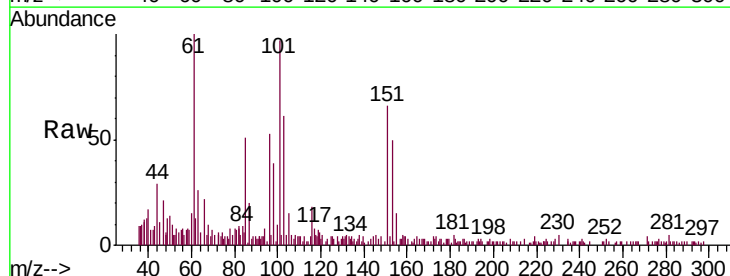
Tgt Ion: 59 Resp: 4452
Ion Ratio Lower Upper
59 100
57 14.6 7.8 11.6#

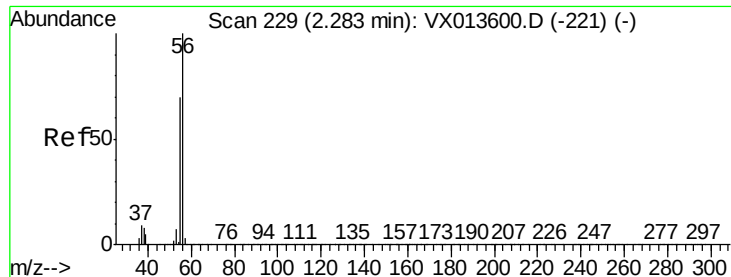


#12

1,1-Dichloroethene
Concen: 0.629 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.01 min
Lab File: VX013923.D
Acq: 11 Dec 2019 02:17

Tgt Ion: 96 Resp: 3321
Ion Ratio Lower Upper
96 100
61 190.6 126.6 190.0#
98 65.4 50.6 76.0

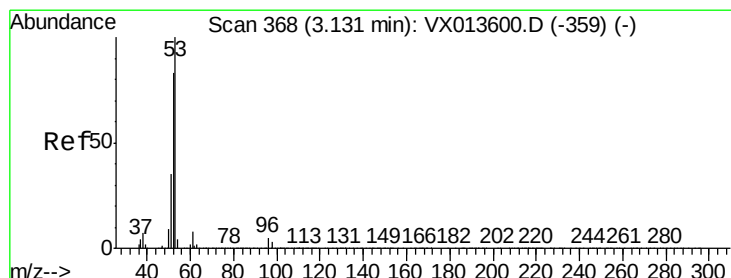
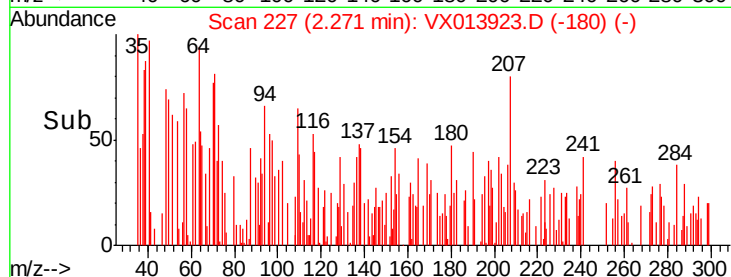
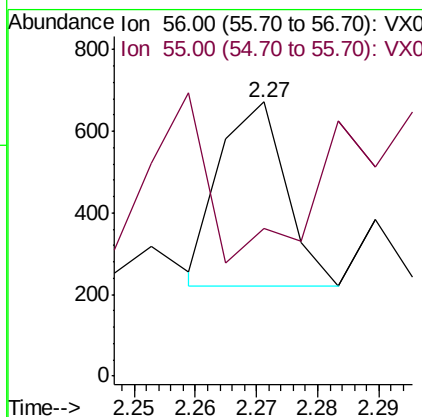
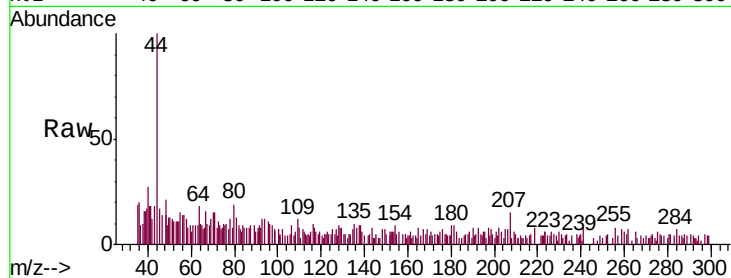




#13
Acrolein
Concen: 6.313 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.01 min
Lab File: VX013923.D
Acq: 11 Dec 2019 02:17

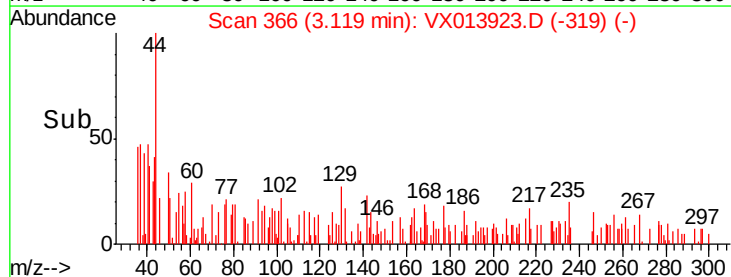
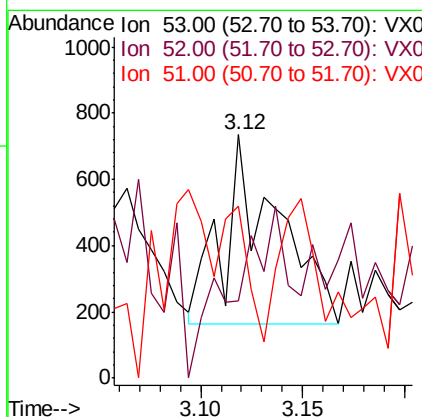
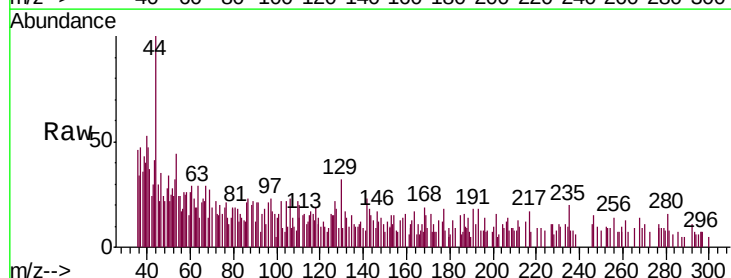
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20191205DL

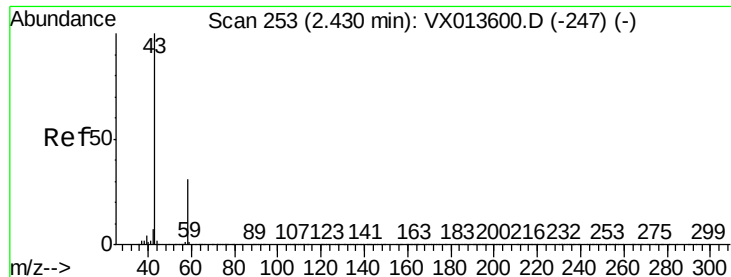
Tgt Ion: 56 Resp: 337
Ion Ratio Lower Upper
56 100
55 301.8 56.2 84.4#



#15
Acrylonitrile
Concen: 0.323 ug/l
RT: 3.12 min Scan# 366
Delta R.T. -0.01 min
Lab File: VX013923.D
Acq: 11 Dec 2019 02:17

Tgt Ion: 53 Resp: 1058
Ion Ratio Lower Upper
53 100
52 0.0 66.2 99.2#
51 0.0 29.0 43.6#

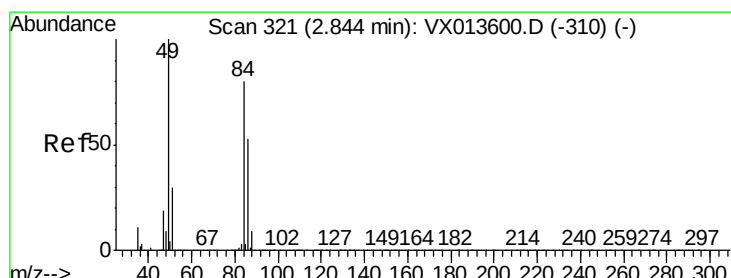
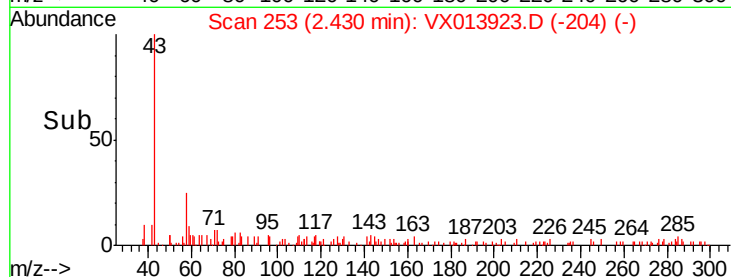
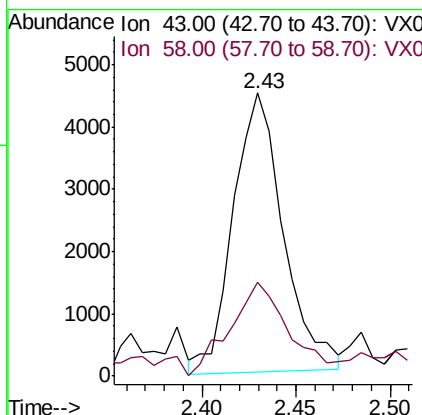
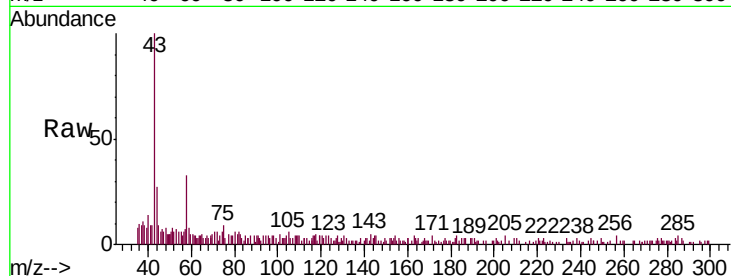




#16
Acetone
Concen: 2.616 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX013923.D
Acq: 11 Dec 2019 02:17

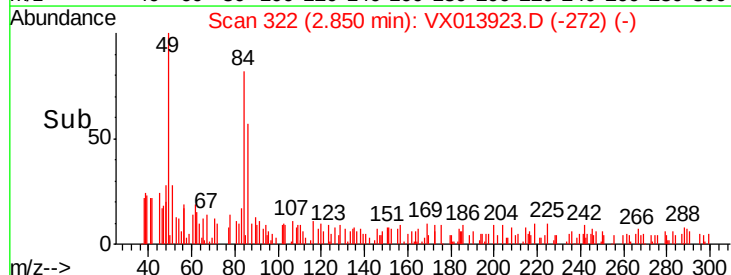
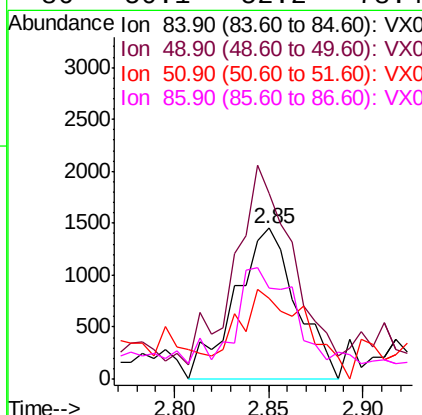
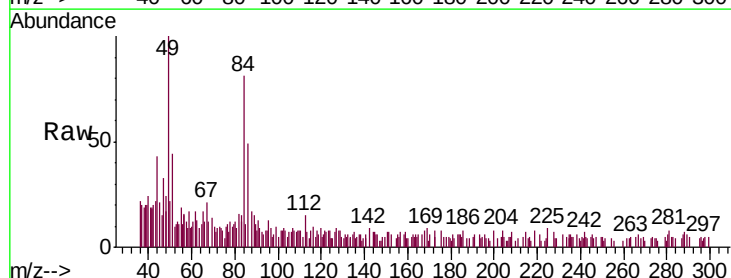
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20191205DL

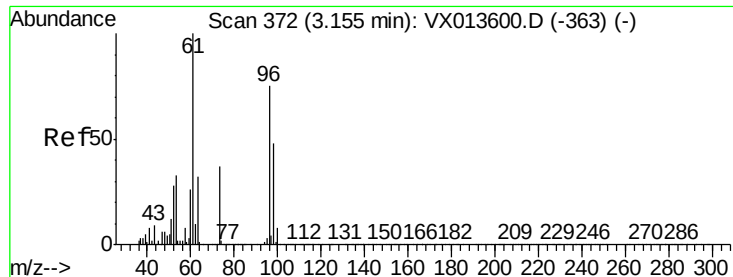
Tgt Ion: 43 Resp: 8312
Ion Ratio Lower Upper
43 100
58 35.4 24.6 36.8



#20
Methylene Chloride
Concen: 0.534 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013923.D
Acq: 11 Dec 2019 02:17

Tgt Ion: 84 Resp: 3262
Ion Ratio Lower Upper
84 100
49 107.7 99.7 149.5
51 38.8 29.9 44.9
86 50.1 52.2 78.4#





#21

trans-1,2-Dichloroethene

Concen: 0.201 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX013923.D

Acq: 11 Dec 2019 02:17

Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20191205DL

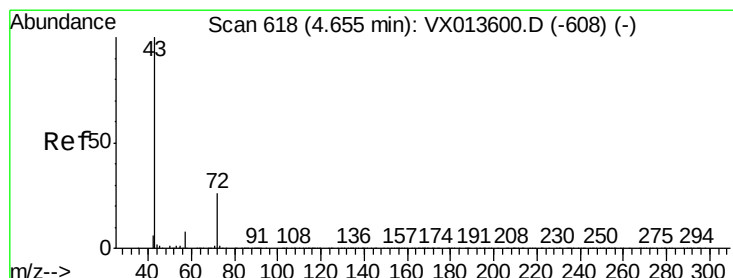
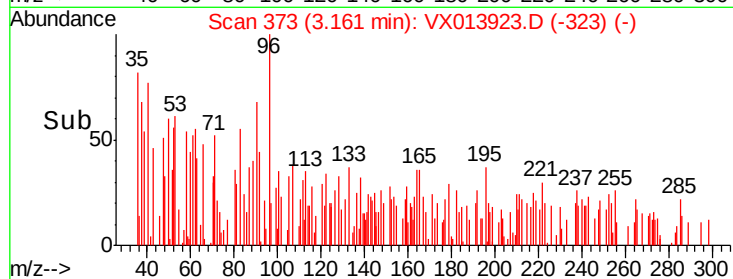
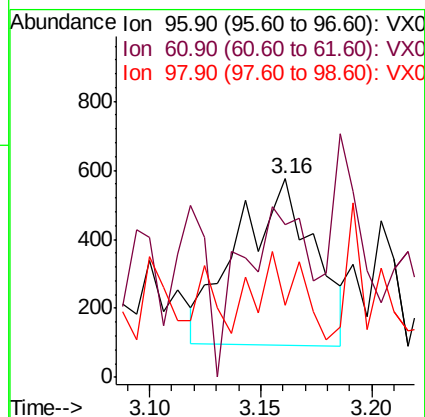
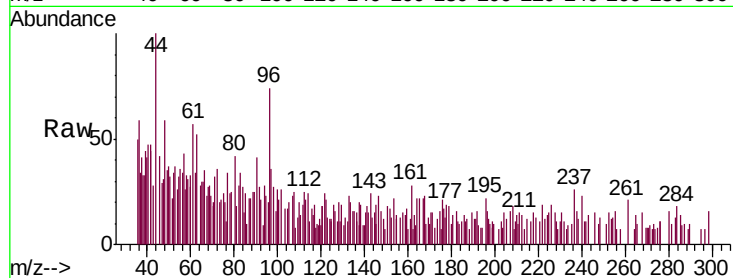
Tgt Ion: 96 Resp: 1155

Ion Ratio Lower Upper

96 100

61 0.0 107.2 160.8#

98 11.7 51.4 77.0#



#25

2-Butanone

Concen: 0.209 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.02 min

Lab File: VX013923.D

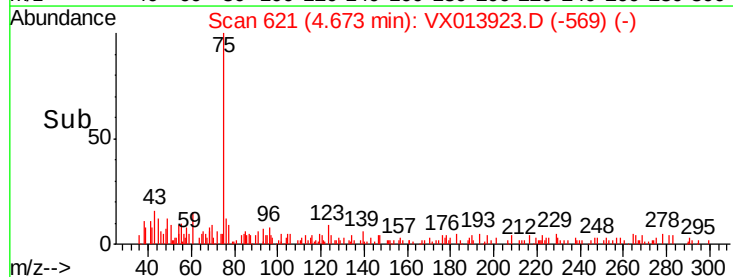
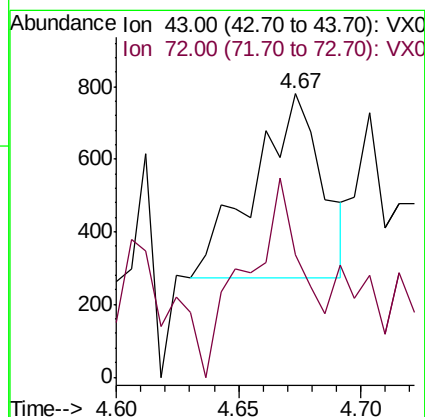
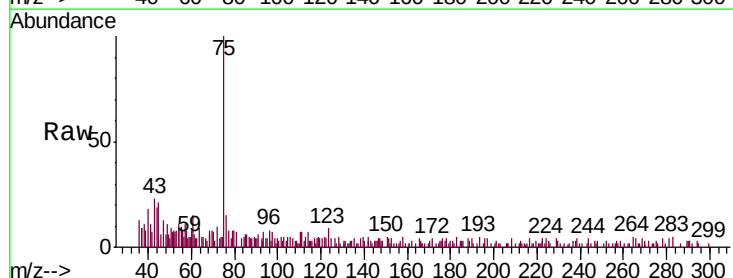
Acq: 11 Dec 2019 02:17

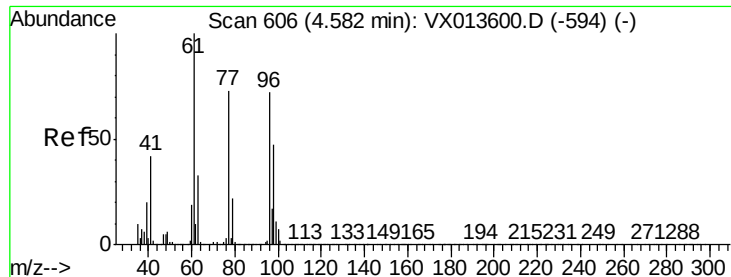
Tgt Ion: 43 Resp: 985

Ion Ratio Lower Upper

43 100

72 31.0 20.6 31.0#



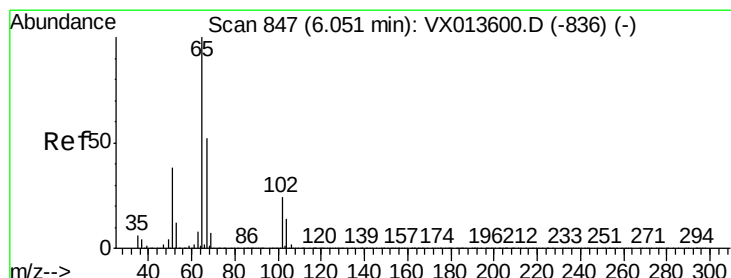
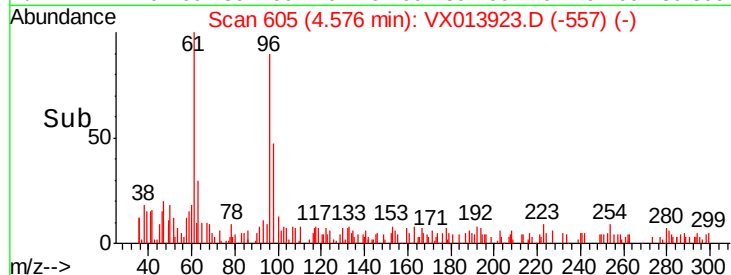
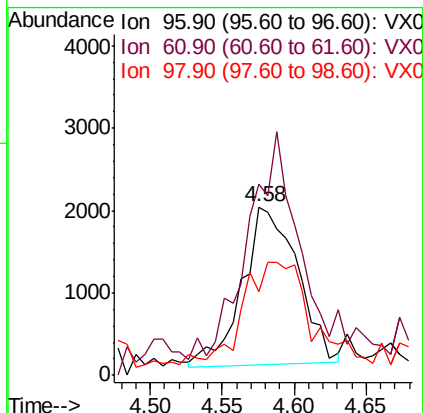
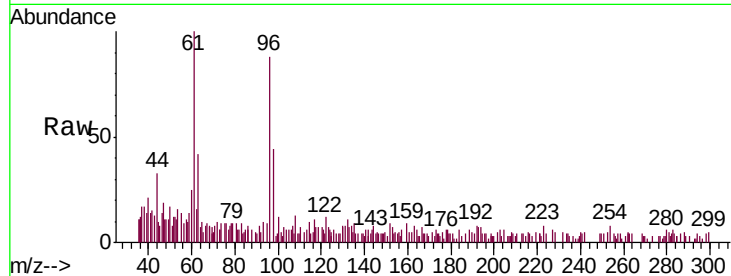


#27

cis-1,2-Dichloroethene
Concen: 0.776 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX013923.D
Acq: 11 Dec 2019 02:17

Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20191205DL

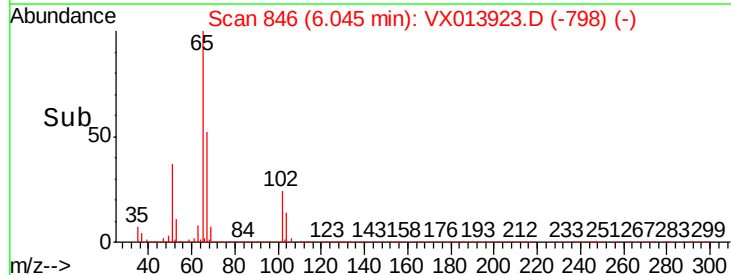
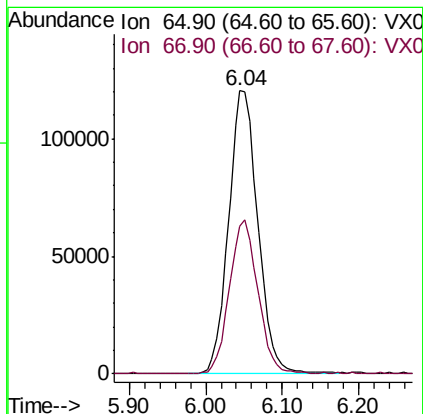
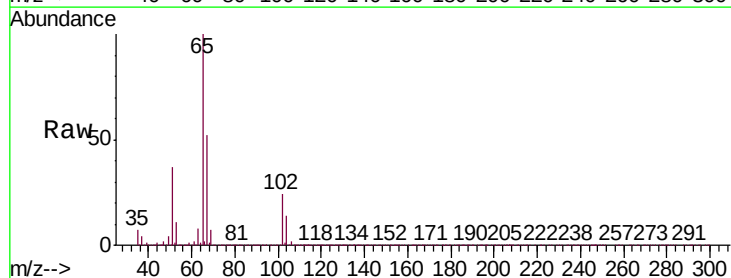
Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.3	0.0	286.4
98	85.0	0.0	127.4

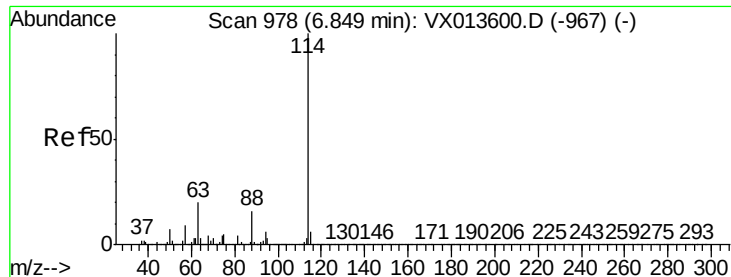


#33

1,2-Dichloroethane-d4
Concen: 49.324 ug/l
RT: 6.04 min Scan# 846
Delta R.T. -0.01 min
Lab File: VX013923.D
Acq: 11 Dec 2019 02:17

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

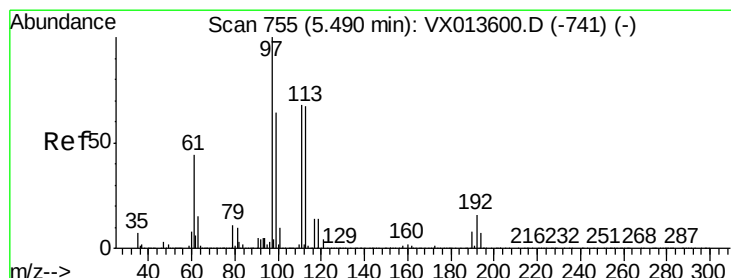
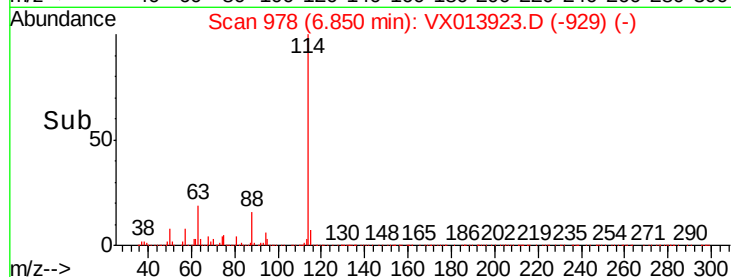
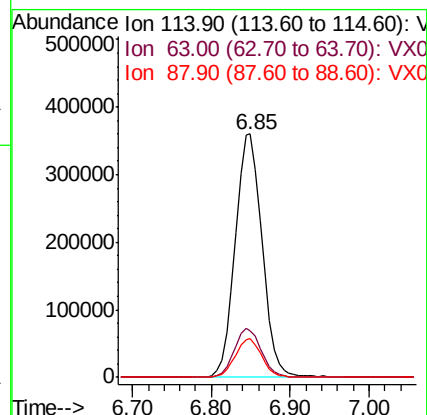
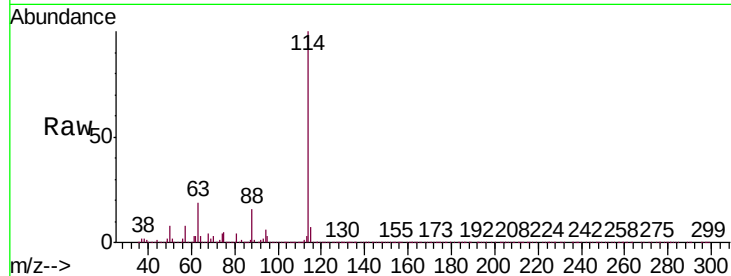
Delta R.T. 0.00 min

Lab File: VX013923.D

Acq: 11 Dec 2019 02:17

Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20191205DL

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	39.6
88	15.8	0.0	31.4



#35

Dibromofluoromethane

Concen: 49.126 ug/l

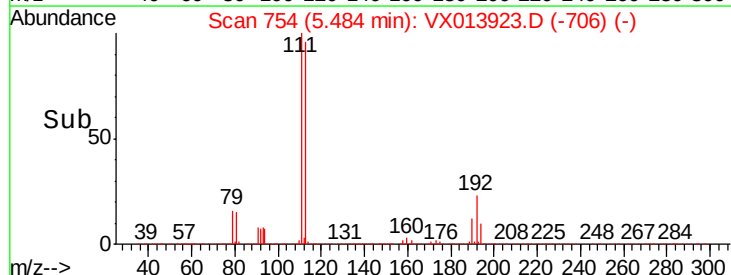
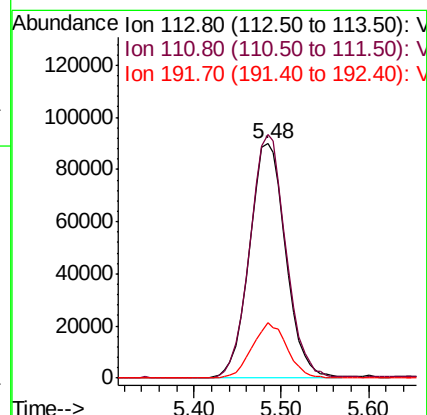
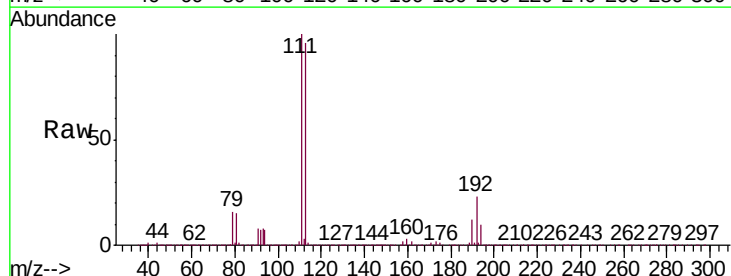
RT: 5.48 min Scan# 754

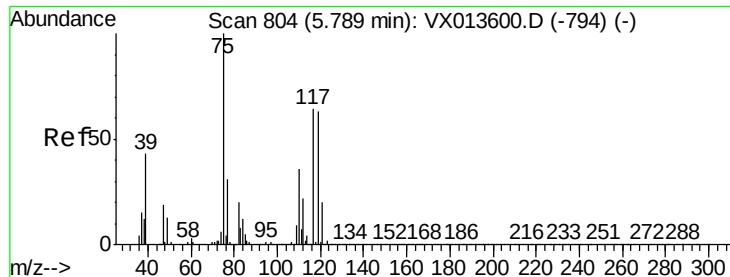
Delta R.T. -0.01 min

Lab File: VX013923.D

Acq: 11 Dec 2019 02:17

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.6	125.4
192	22.7	19.2	28.8

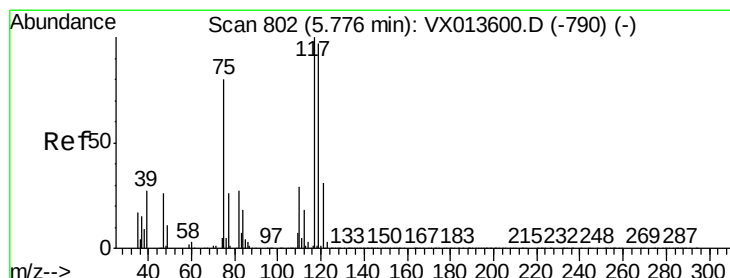
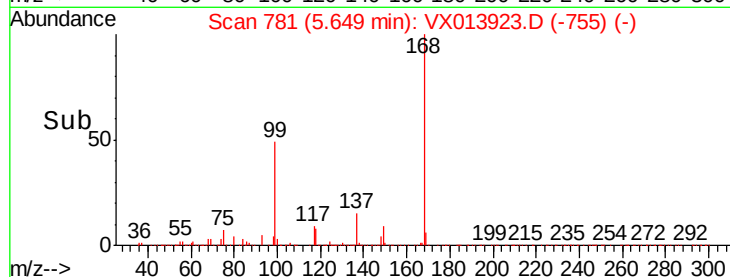
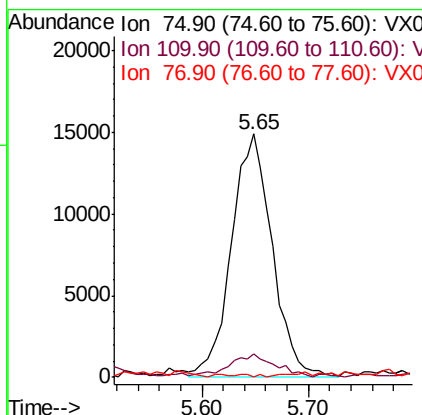
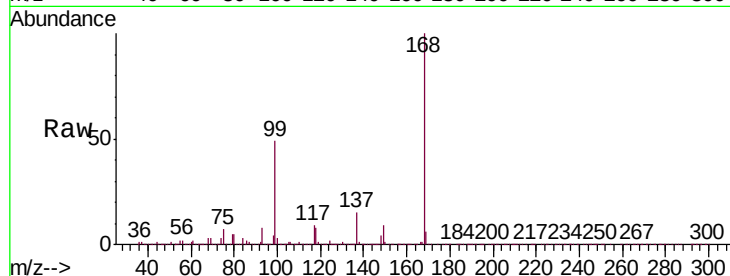




#36
 1,1-Dichloropropene
 Concen: 5.162 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013923.D
 Acq: 11 Dec 2019 02:17

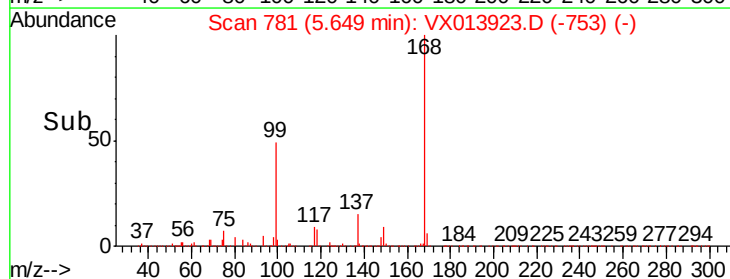
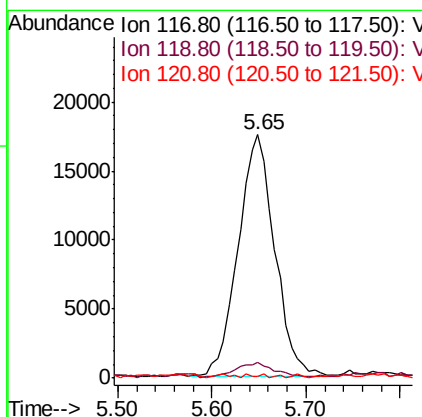
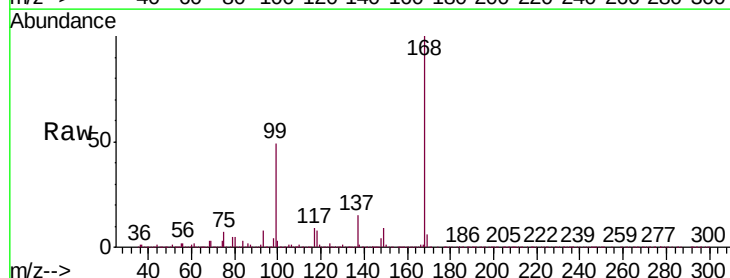
Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D2-20191205DL

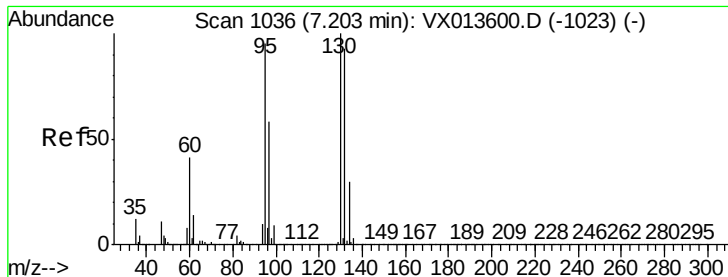
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.9	18.1	54.1#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.676 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX013923.D
 Acq: 11 Dec 2019 02:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	77.5	116.3#
121	0.2	25.0	37.6#





#44

Trichloroethene

Concen: 51.033 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX013923.D

Acq: 11 Dec 2019 02:17

Instrument :

MSVOA_X

ClientSampleId :

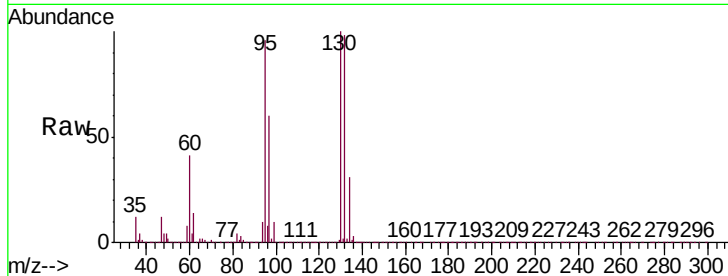
RE125D2-20191205DL

Tgt Ion:130 Resp: 331119

Ion Ratio Lower Upper

130 100

95 95.6 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.20

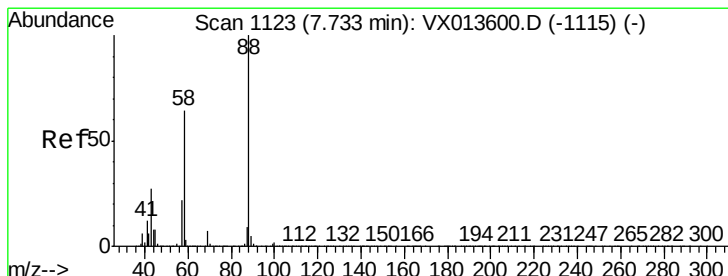
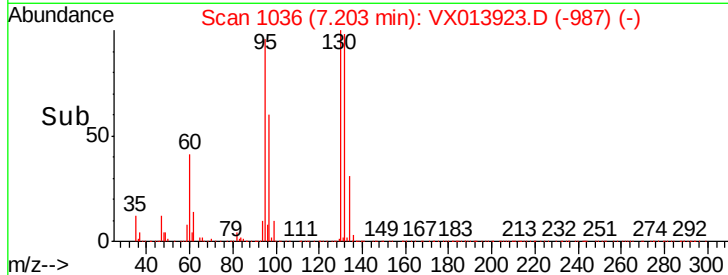
150000

100000

50000

0

Time-->



#49

1,4-Dioxane

Concen: 3.899 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX013923.D

Acq: 11 Dec 2019 02:17

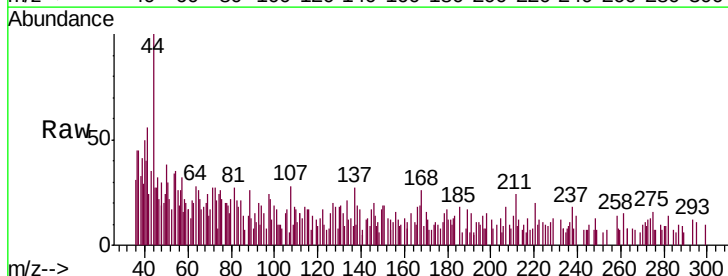
Tgt Ion: 88 Resp: 608

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.6#

58 0.0 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

1000

800

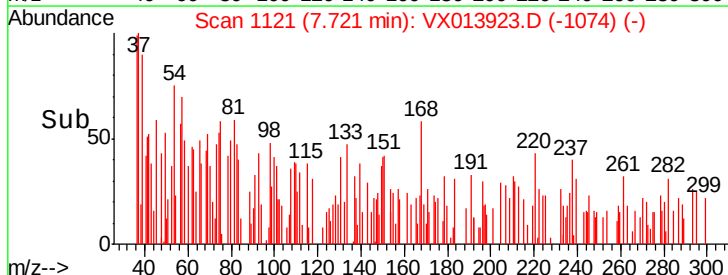
600

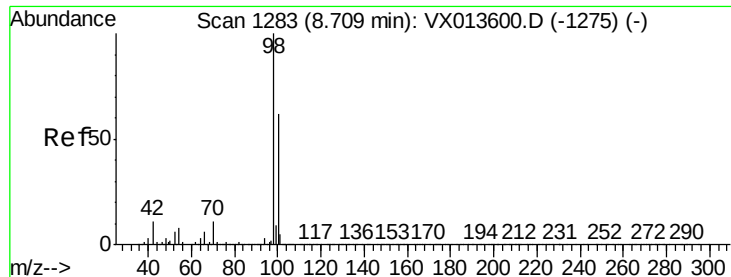
400

200

0

Time-->





#50

Toluene-d8

Concen: 49.742 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013923.D

Acq: 11 Dec 2019 02:17

Instrument :

MSVOA_X

ClientSampleId :

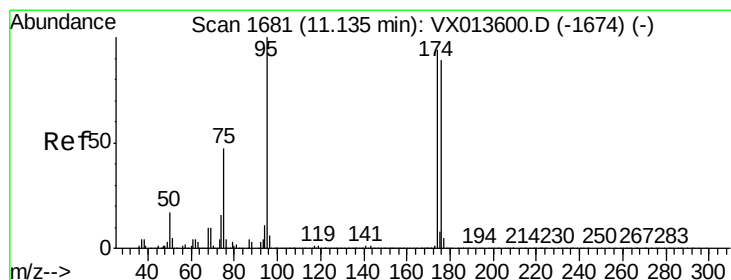
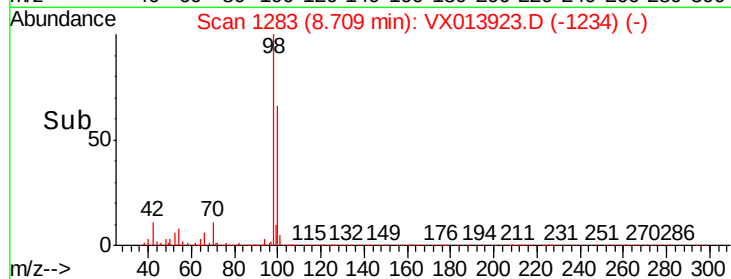
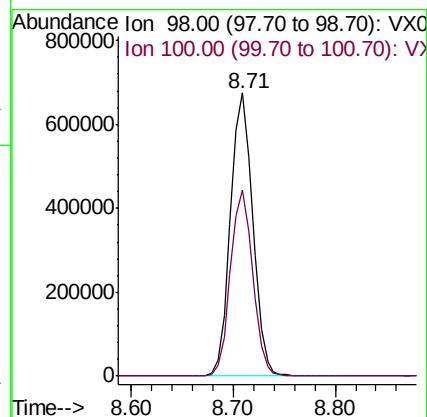
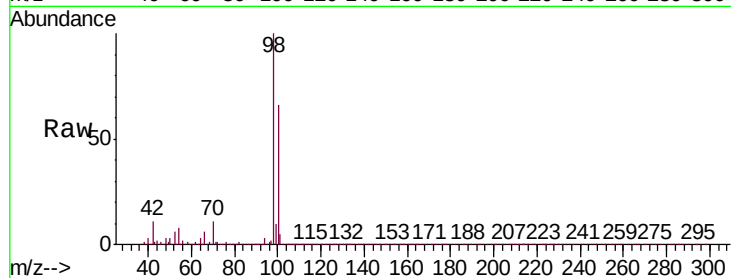
RE125D2-20191205DL

Tgt Ion: 98 Resp: 1024512

Ion Ratio Lower Upper

98 100

100 65.7 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 45.529 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013923.D

Acq: 11 Dec 2019 02:17

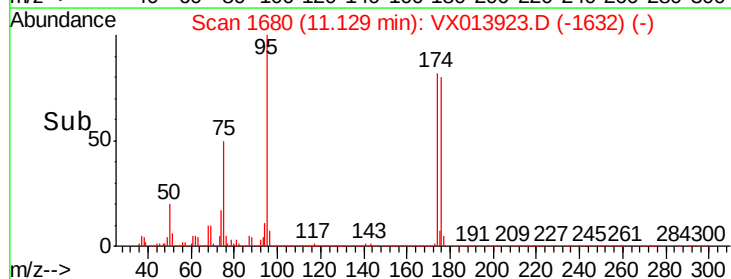
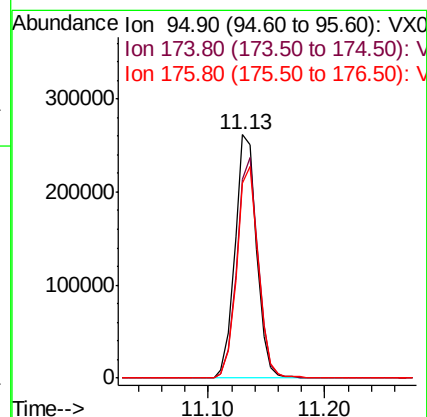
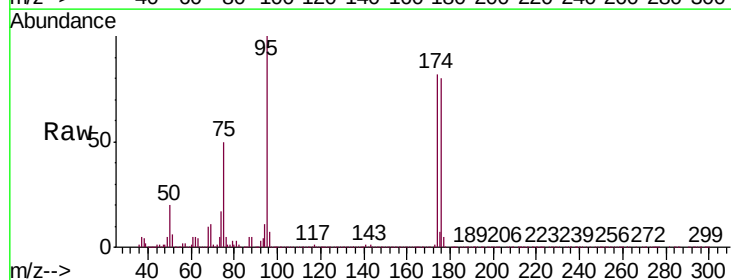
Tgt Ion: 95 Resp: 338149

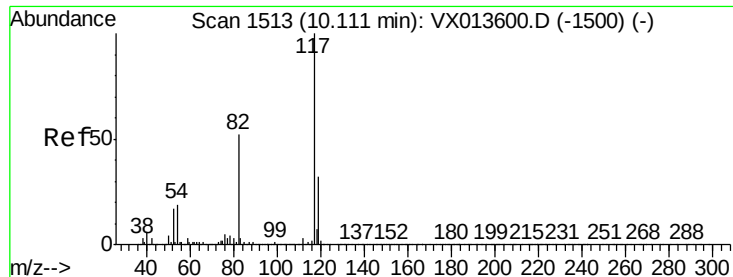
Ion Ratio Lower Upper

95 100

174 89.6 0.0 180.0

176 86.9 0.0 173.6

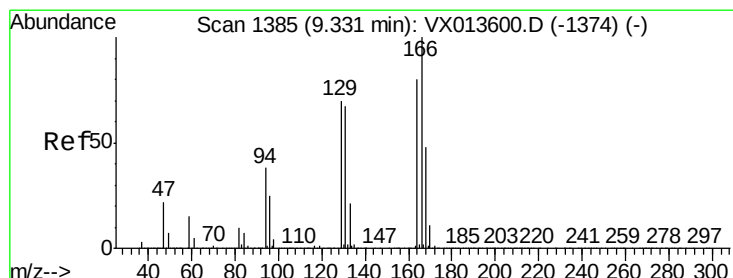
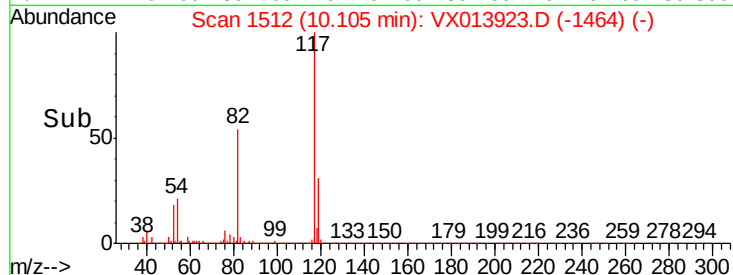
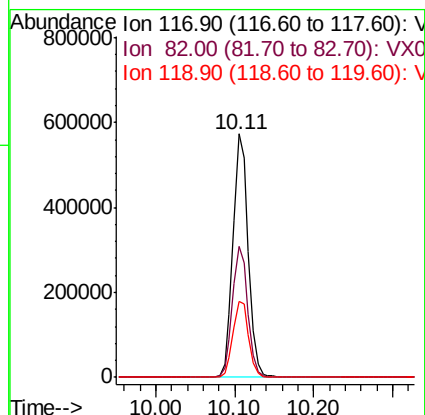
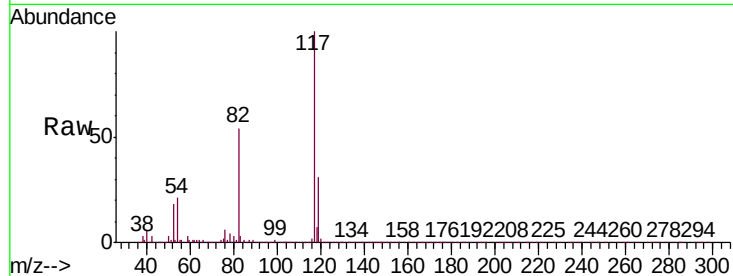




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013923.D
Acq: 11 Dec 2019 02:17

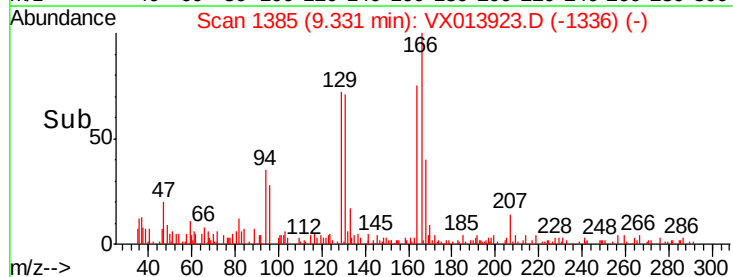
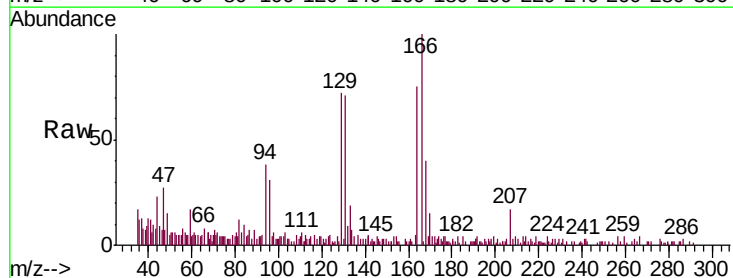
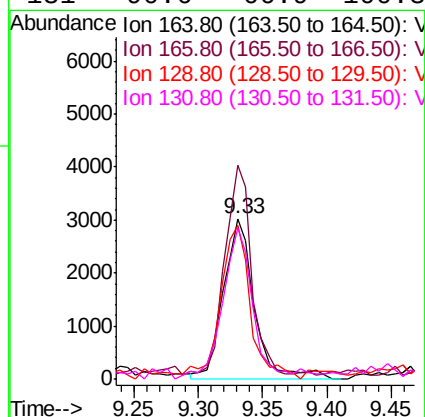
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20191205DL

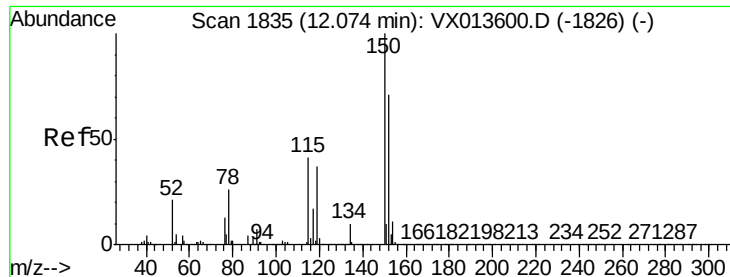
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.5	41.8	62.8
119	31.3	25.8	38.8



#64
Tetrachloroethene
Concen: 0.893 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013923.D
Acq: 11 Dec 2019 02:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	99.7	149.5
129	92.5	70.1	105.1
131	90.6	66.9	100.3

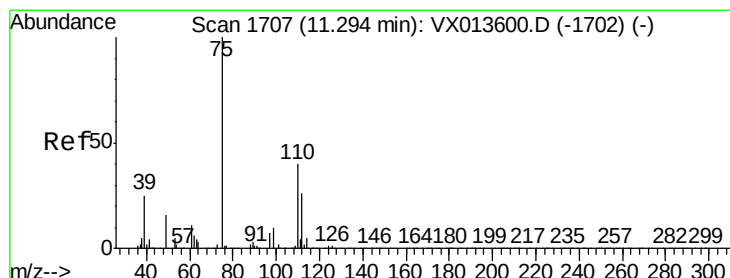
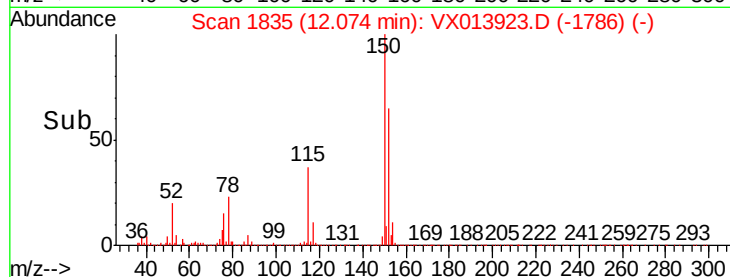
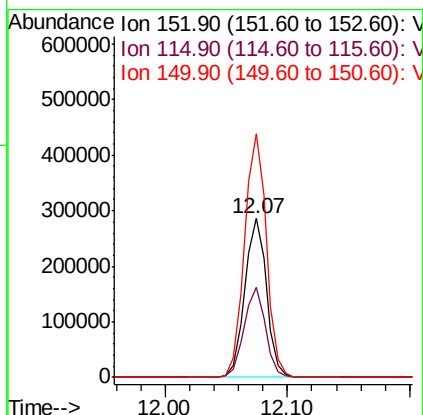
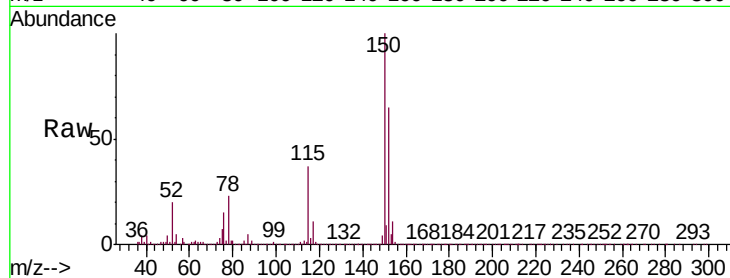




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX013923.D
 Acq: 11 Dec 2019 02:17

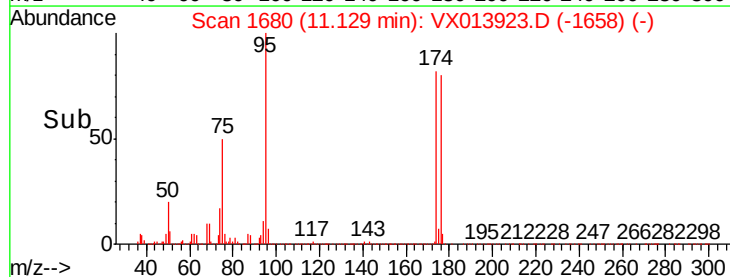
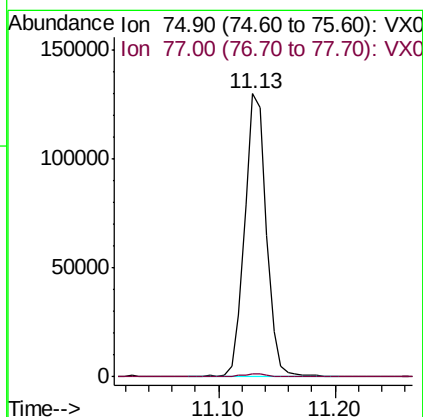
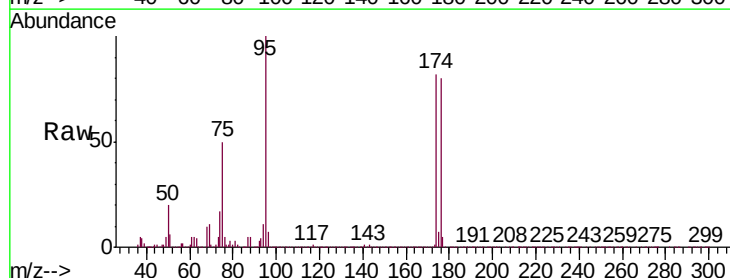
Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D2-20191205DL

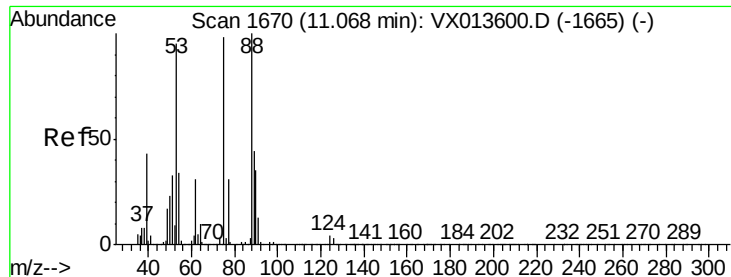
Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	38.4	115.1
150	154.1	0.0	346.8



#76
 1,2,3-Trichloropropane
 Concen: 21.431 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX013923.D
 Acq: 11 Dec 2019 02:17

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	19.1	57.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 58.632 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013923.D

Acq: 11 Dec 2019 02:17

Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20191205DL

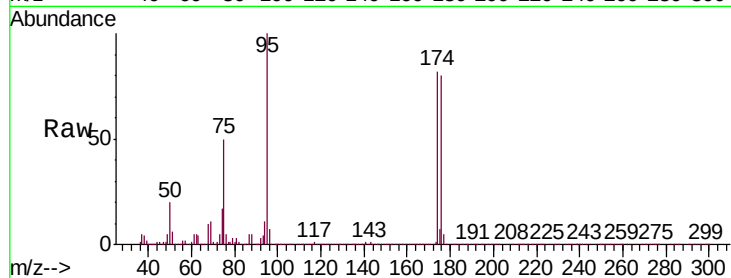
Tgt Ion: 75 Resp: 169391

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.2#

89 0.2 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

