

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110819\
 Data File : VX013364.D
 Acq On : 08 Nov 2019 17:48
 Operator : JC/SP
 Sample : K5769-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-317B-SRI4

Quant Time: Nov 11 02:58:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	812856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1262358	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1138481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	531788	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	455654	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	
35) Dibromofluoromethane	5.49	113	381288	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	
50) Toluene-d8	8.71	98	1496578	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
62) 4-Bromofluorobenzene	11.13	95	518101	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	

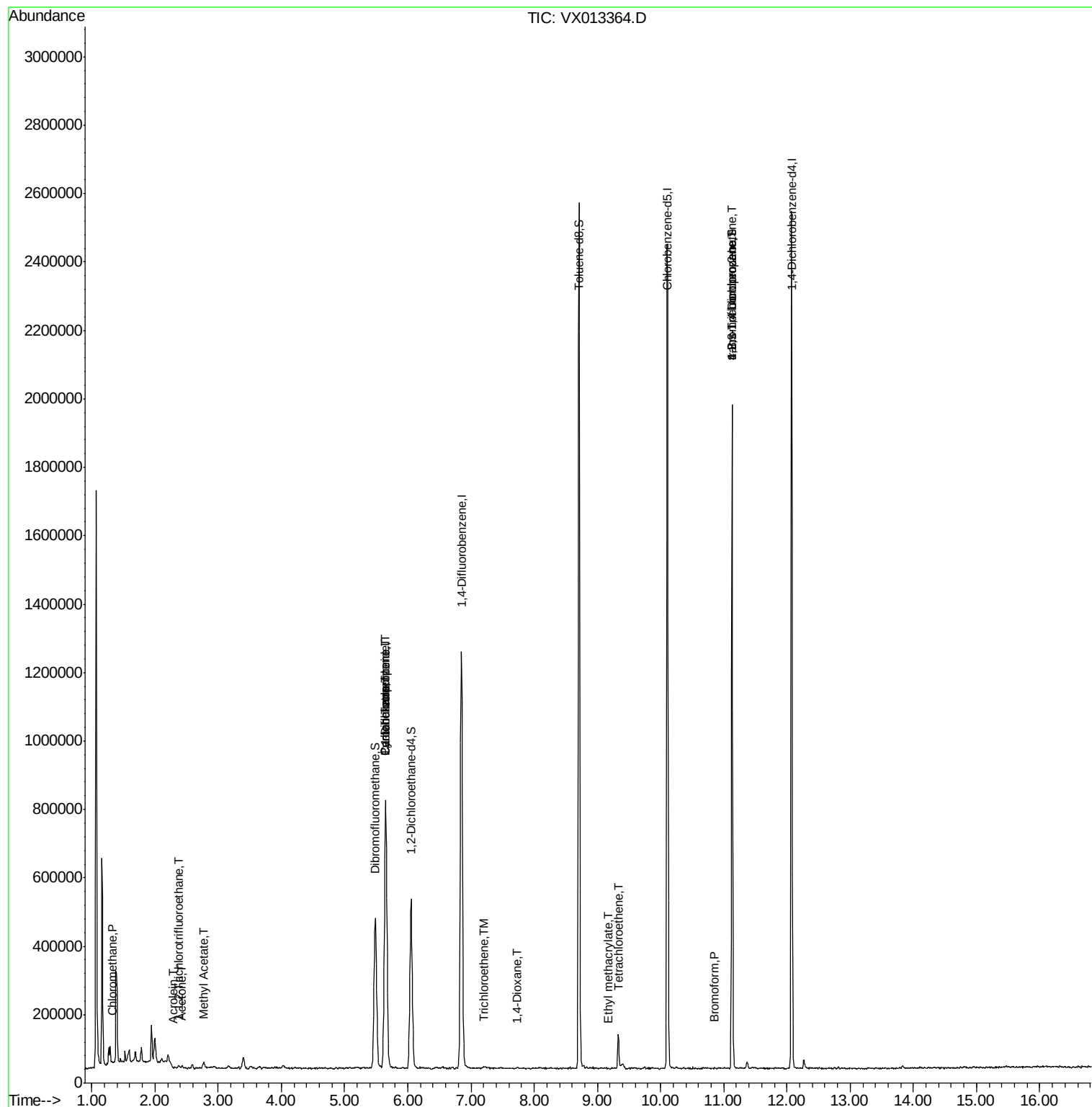
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2053	0.202	ug/l #	76
6) Chloroethane	1.69	64	822	Below Cal	#	43
9) 1,1,2-Trichlorotrifluoroet	2.37	101	3062	0.402	ug/l #	80
13) Acrolein	2.29	56	347	0.252	ug/l #	14
16) Acetone	2.43	43	8172	1.701	ug/l	99
18) Methyl Acetate	2.76	43	6034	0.455	ug/l #	71
31) Cyclohexane	5.64	56	15513	1.178	ug/l #	9
36) 1,1-Dichloropropene	5.65	75	53917	4.979	ug/l #	50
38) Carbon Tetrachloride	5.65	117	71918	6.791	ug/l #	17
44) Trichloroethene	7.20	130	3212	0.346	ug/l	55
49) 1,4-Dioxane	7.73	88	363	1.524	ug/l #	24
56) Ethyl methacrylate	9.17	69	650	1.606	ug/l #	72
64) Tetrachloroethene	9.33	164	18518	2.272	ug/l	97
71) Bromoform	10.85	173	195	3.226	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	252610	23.387	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	252610	60.198	ug/l #	9

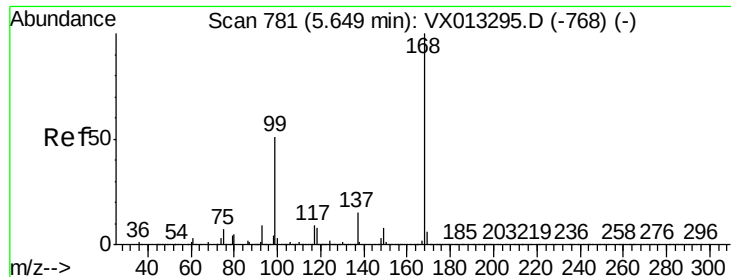
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Nov 02 07:06:38 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: VX013364.D

Acq: 08 Nov 2019 17:48

Instrument :

MSVOA_X

ClientSampleId :

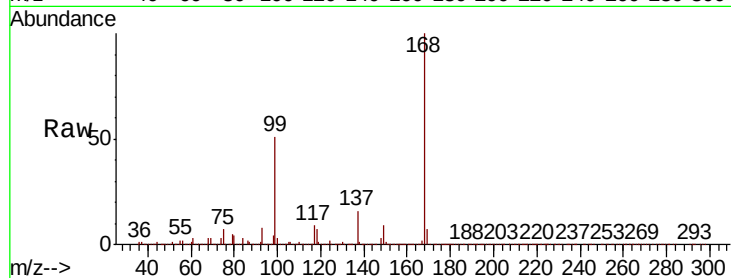
MW-317B-SRI4

Tot Ion:168 Resp: 812856

Ion Ratio Lower Upper

168 100

99 51.1 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

300000

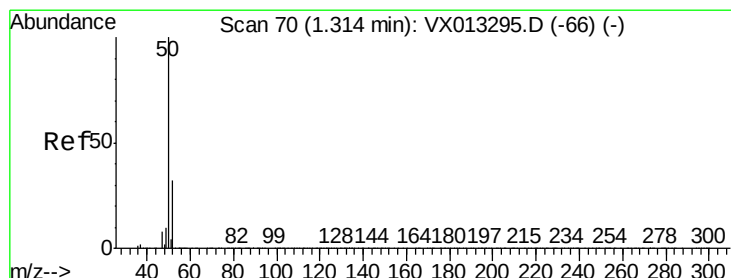
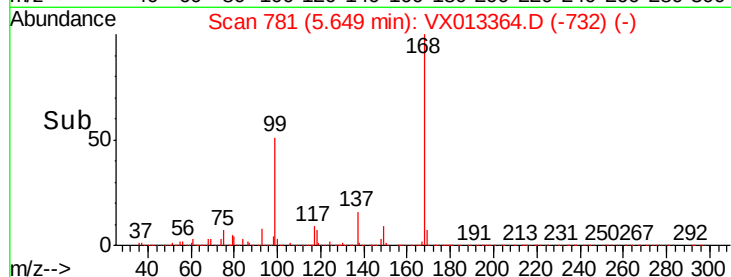
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.202 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX013364.D

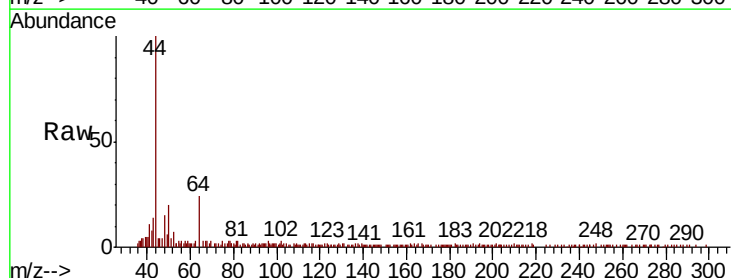
Acq: 08 Nov 2019 17:48

Tgt Ion: 50 Resp: 2053

Ion Ratio Lower Upper

50 100

52 18.6 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

8000

6000

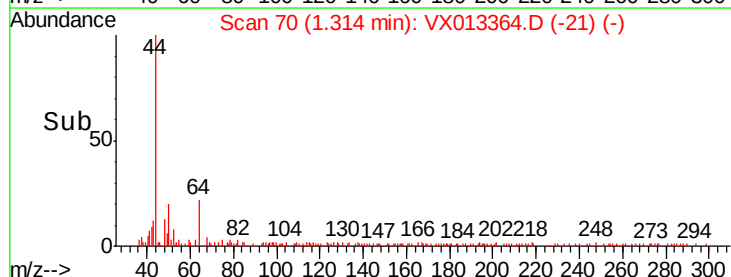
4000

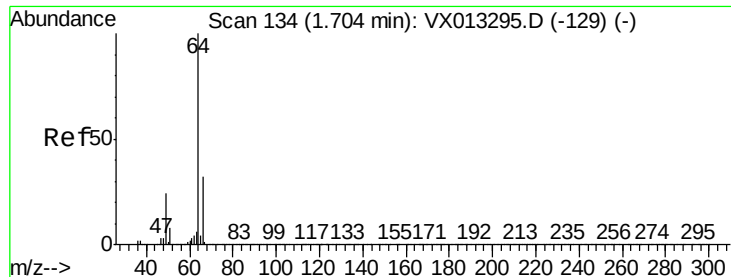
2000

0

Time-->

1.30 1.35





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 131

Delta R.T. -0.02 min

Lab File: VX013364.D

Acq: 08 Nov 2019 17:48

Instrument :

MSVOA_X

ClientSampleId :

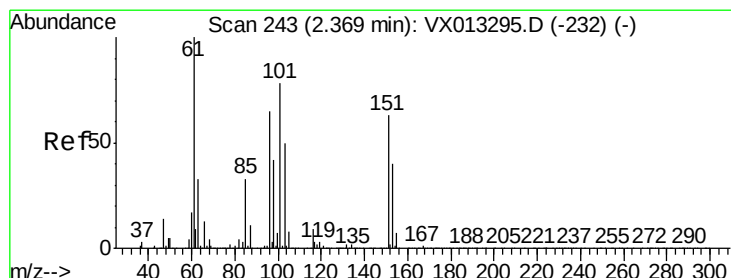
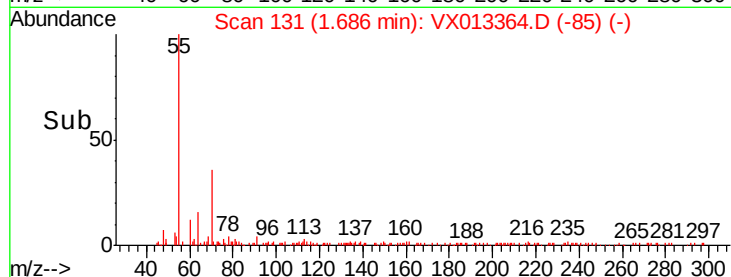
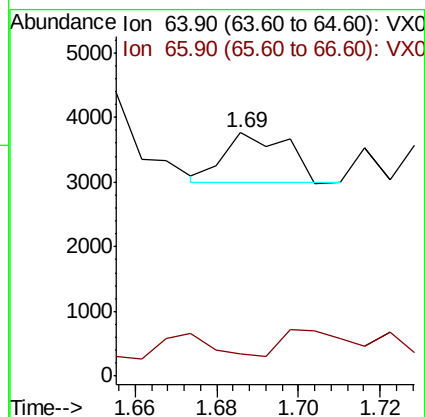
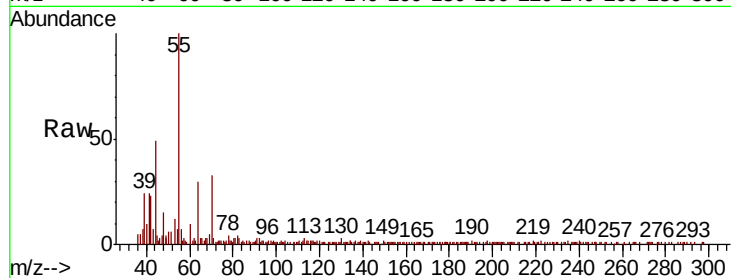
MW-317B-SRI4

Tot Ion: 64 Resp: 822

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.402 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013364.D

Acq: 08 Nov 2019 17:48

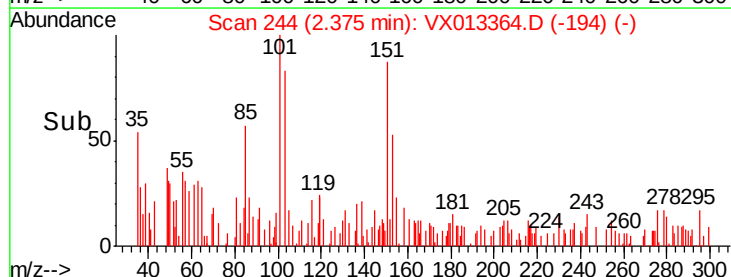
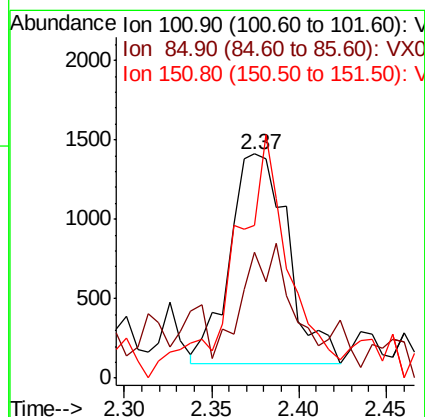
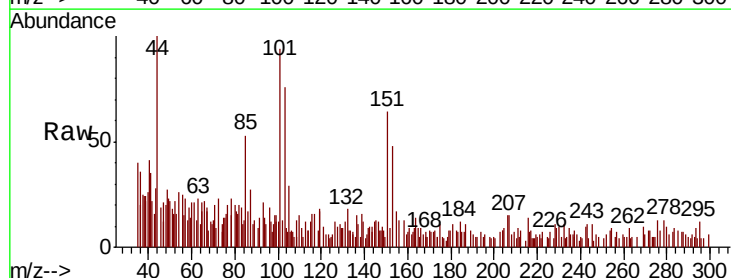
Tgt Ion: 101 Resp: 3062

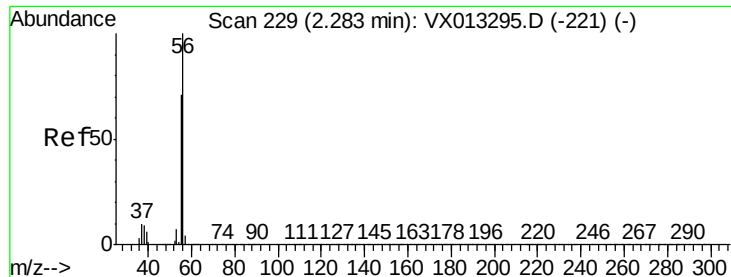
Ion Ratio Lower Upper

101 100

85 45.4 34.4 51.6

151 108.6 66.4 99.6#





#13

Acrolein

Concen: 0.252 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX013364.D

Acq: 08 Nov 2019 17:48

Instrument :

MSVOA_X

ClientSampled :

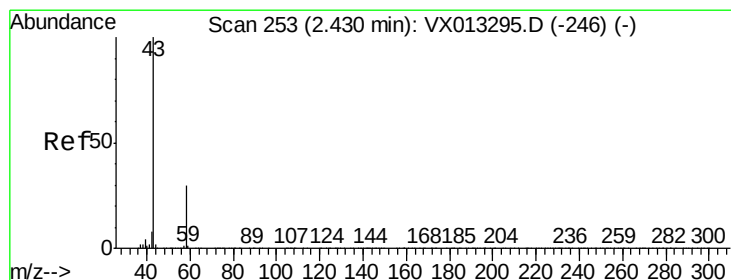
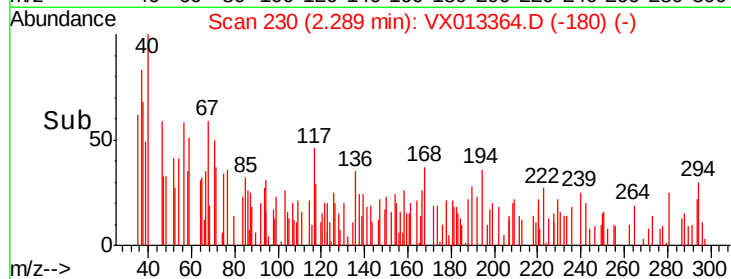
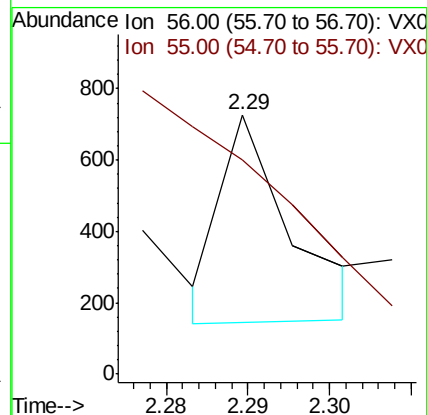
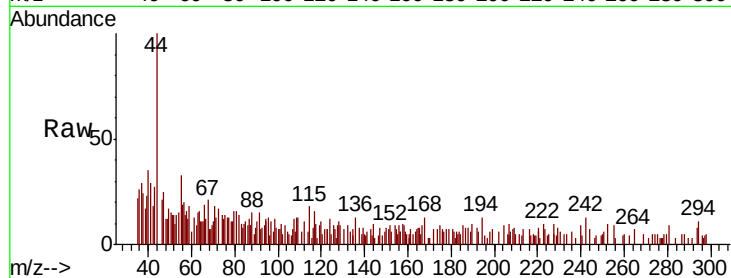
MW-317B-SRI4

Tot Ion: 56 Resp: 347

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.0#



#16

Acetone

Concen: 1.701 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013364.D

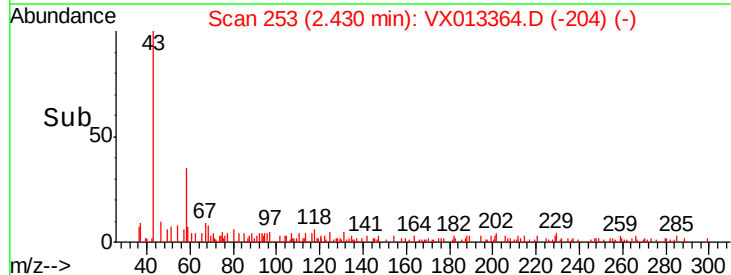
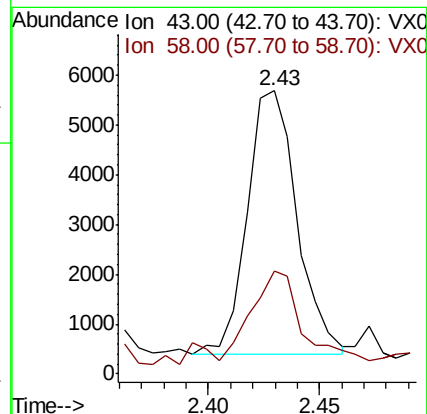
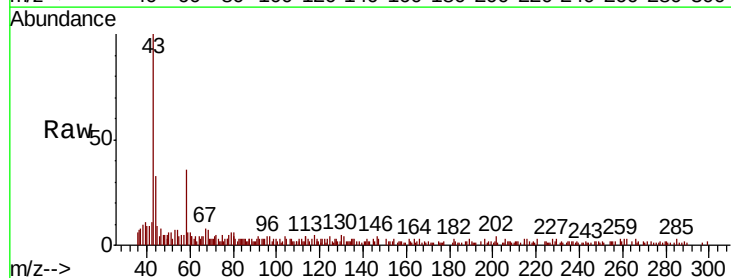
Acq: 08 Nov 2019 17:48

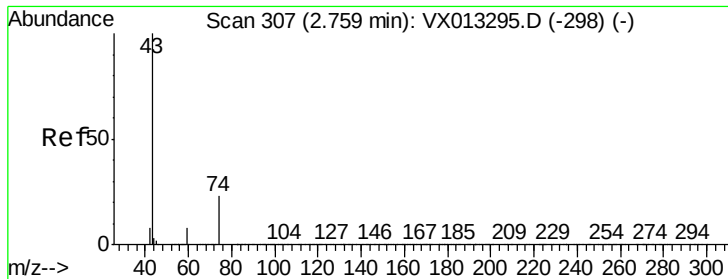
Tgt Ion: 43 Resp: 8172

Ion Ratio Lower Upper

43 100

58 30.1 24.3 36.5

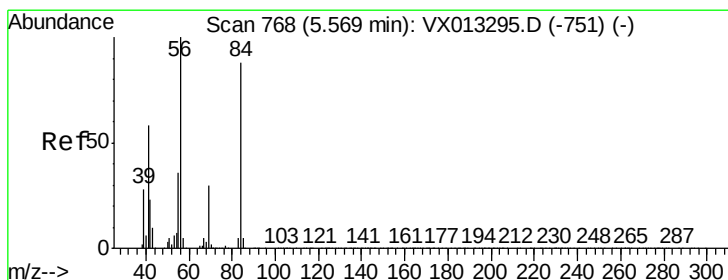
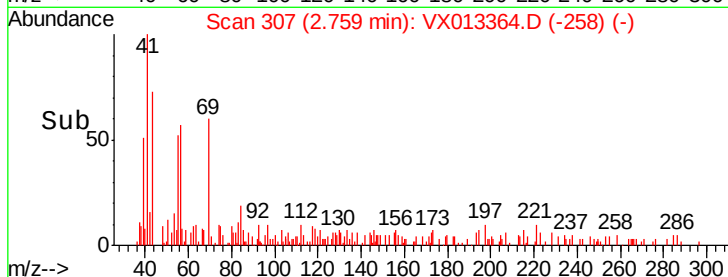
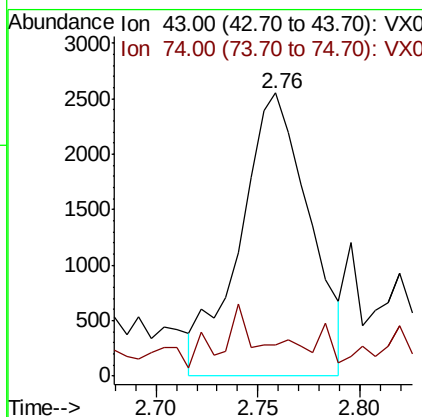
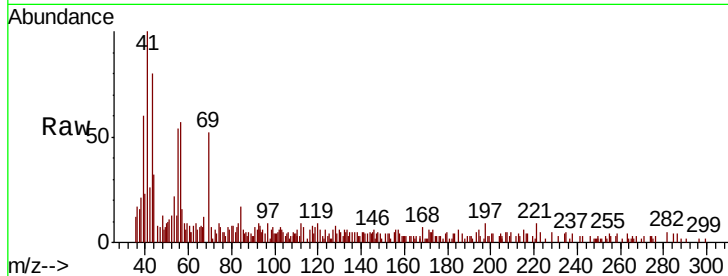




#18
Methvl Acetate
Concen: 0.455 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.00 min
Lab File: VX013364.D
Acq: 08 Nov 2019 17:48

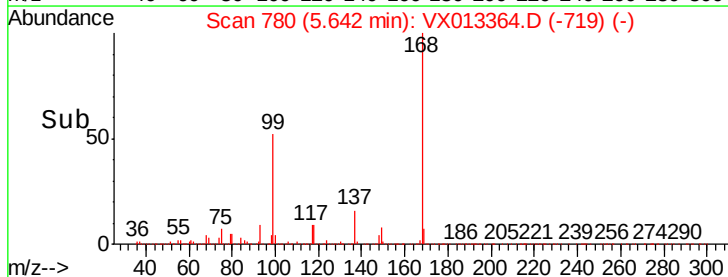
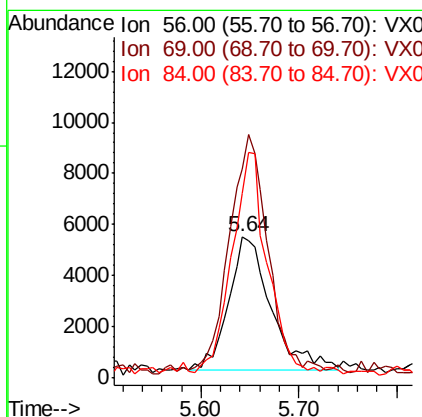
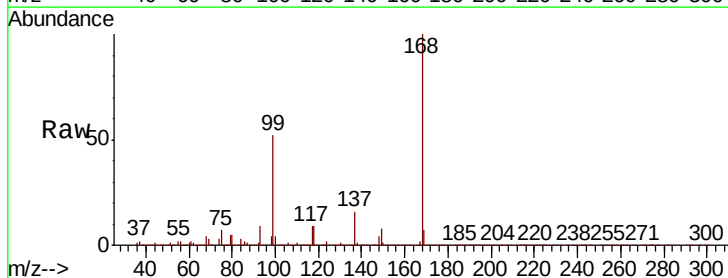
Instrument :
MSVOA_X
ClientSampled :
MW-317B-SRI4

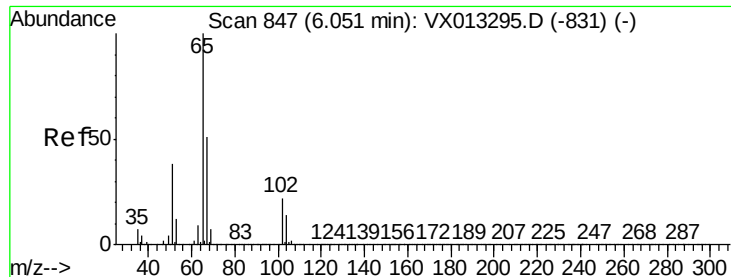
Tot Ion: 43 Resp: 6034
Ion Ratio Lower Upper
43 100
74 9.5 19.0 28.6#



#31
Cyclohexane
Concen: 1.178 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX013364.D
Acq: 08 Nov 2019 17:48

Tgt Ion: 56 Resp: 15513
Ion Ratio Lower Upper
56 100
69 147.2 23.7 35.5#
84 133.4 70.6 105.8#

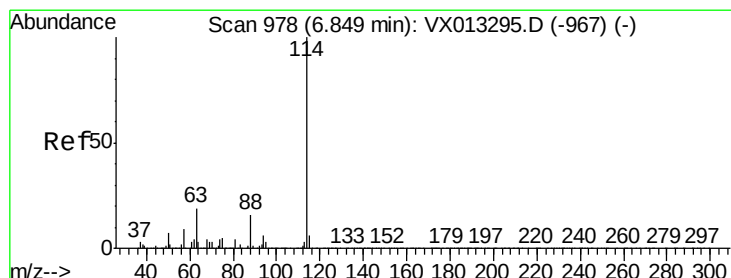
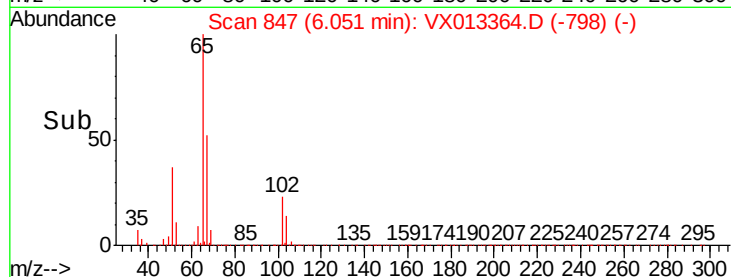
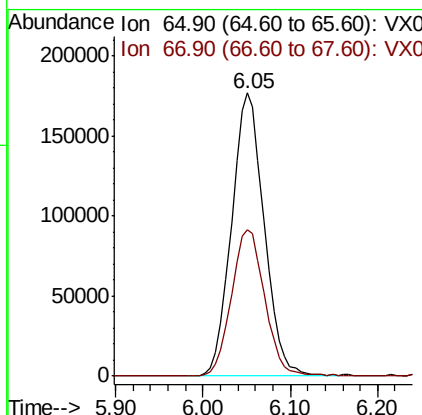
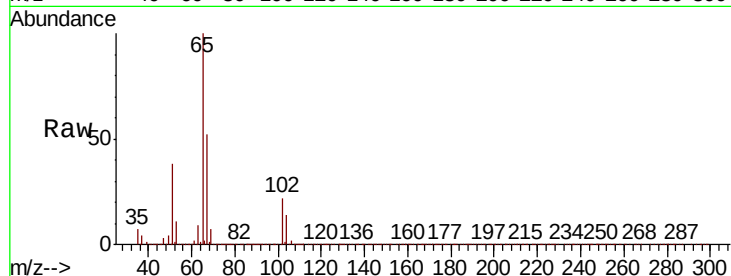




#33
 1,2-Dichloroethane-d4
 Concen: 47.316 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013364.D
 Acq: 08 Nov 2019 17:48

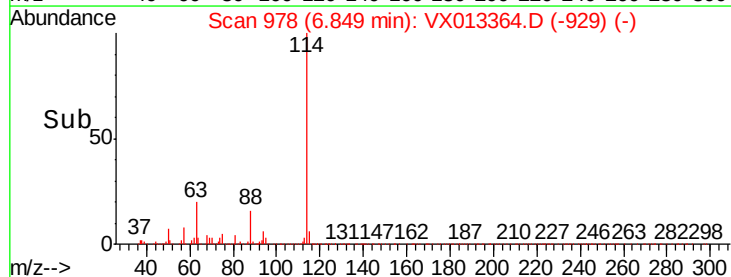
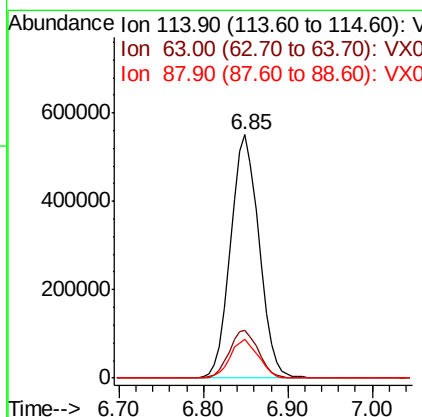
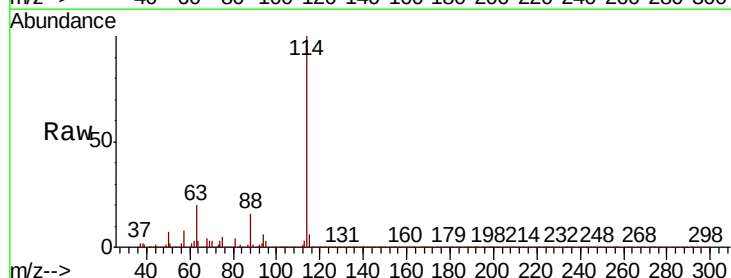
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-317B-SRI4

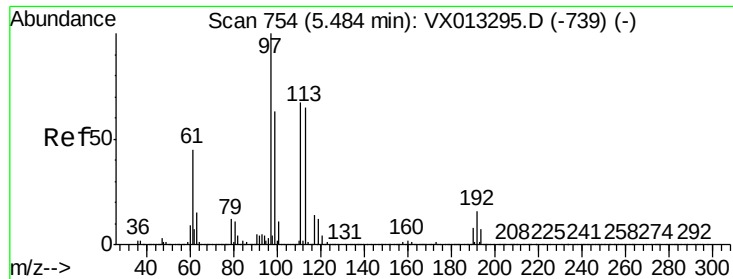
Tot Ion: 65 Resp: 455654
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013364.D
 Acq: 08 Nov 2019 17:48

Tgt Ion: 114 Resp: 1262358
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.4
 88 15.9 0.0 32.2

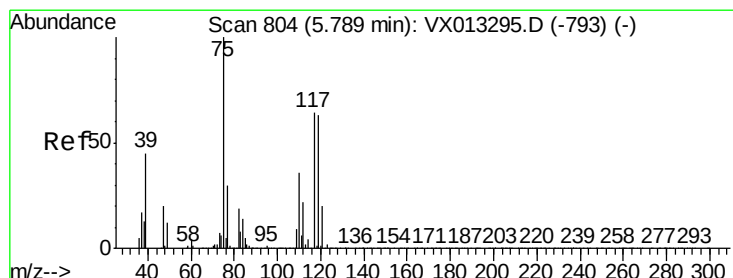
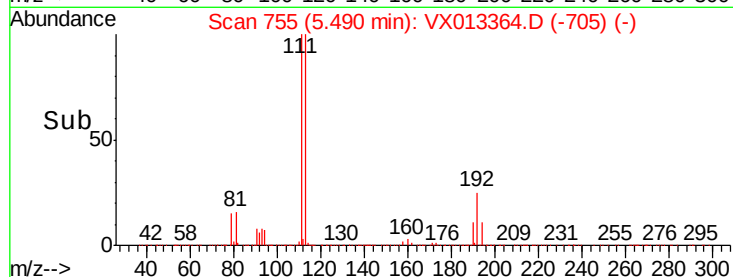
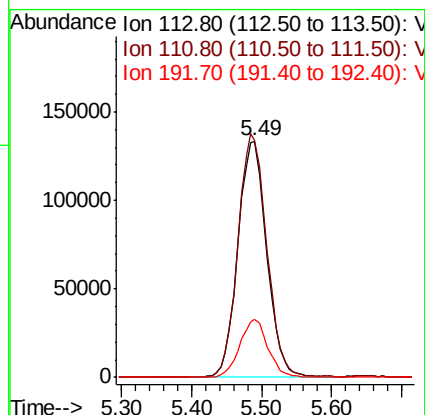
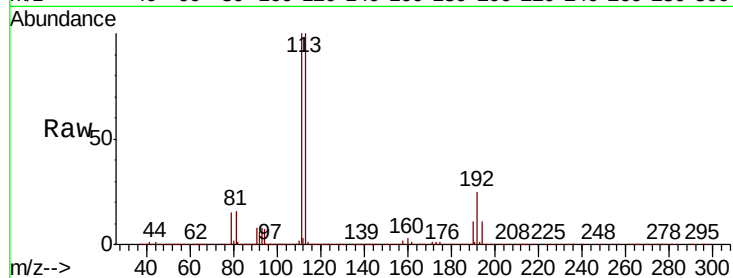




#35
Dibromofluoromethane
Concen: 48.157 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX013364.D
Acq: 08 Nov 2019 17:48

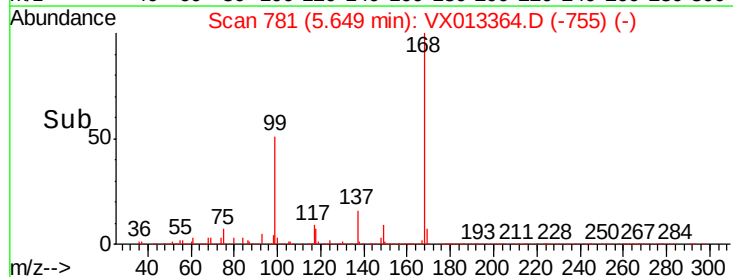
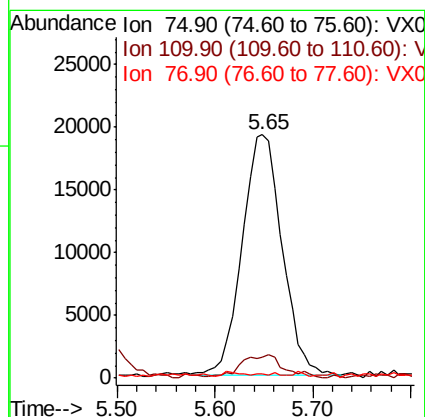
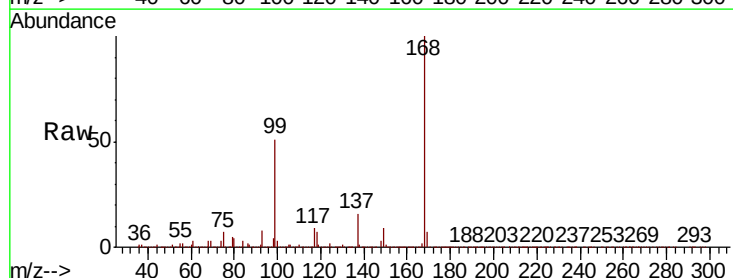
Instrument :
MSVOA_X
ClientSampleId :
MW-317B-SRI4

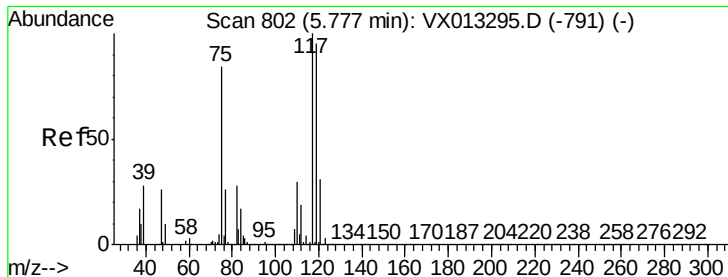
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.9	122.9
192	23.8	19.1	28.7



#36
1,1-Dichloropropene
Concen: 4.979 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.14 min
Lab File: VX013364.D
Acq: 08 Nov 2019 17:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	18.1	54.1#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.791 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013364.D

Acq: 08 Nov 2019 17:48

Instrument :

MSVOA_X

ClientSampleId :

MW-317B-SRI4

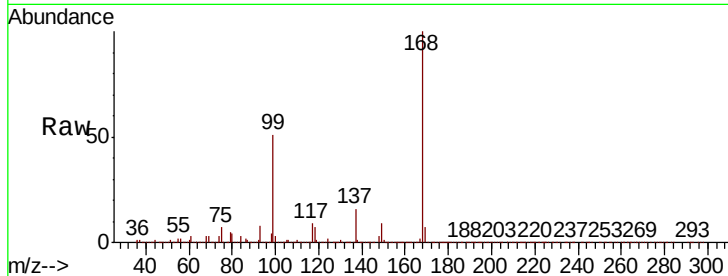
Tot Ion:117 Resp: 71918

Ion Ratio Lower Upper

117 100

119 5.6 76.1 114.1#

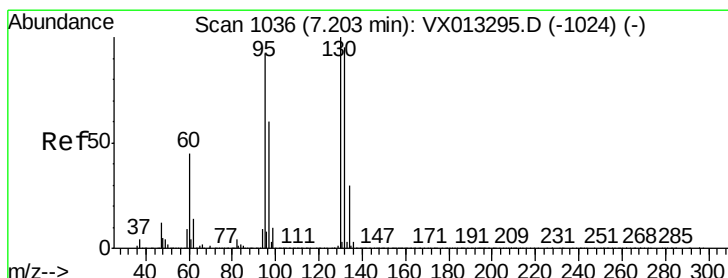
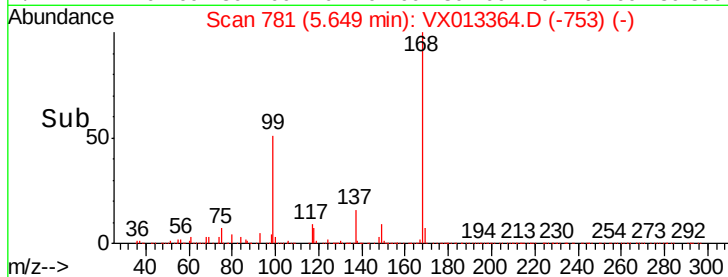
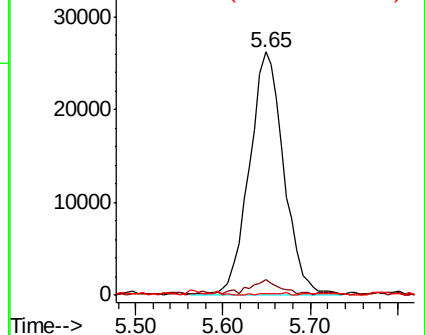
121 0.0 24.6 37.0#



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: 0.346 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX013364.D

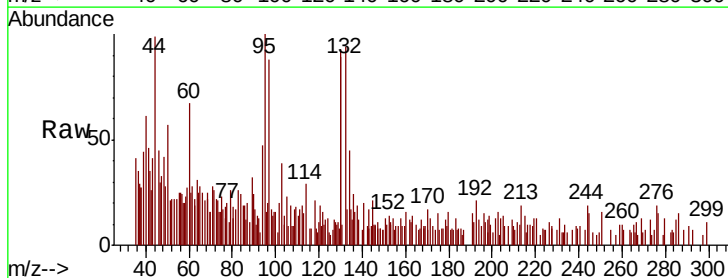
Acq: 08 Nov 2019 17:48

Tgt Ion:130 Resp: 3212

Ion Ratio Lower Upper

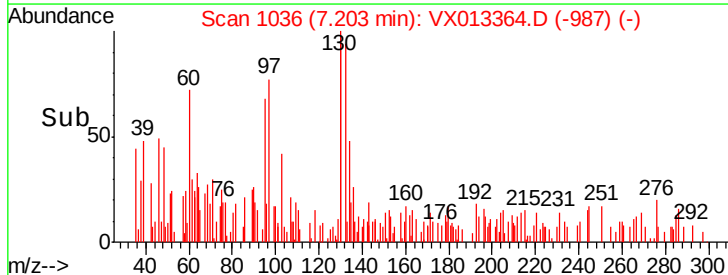
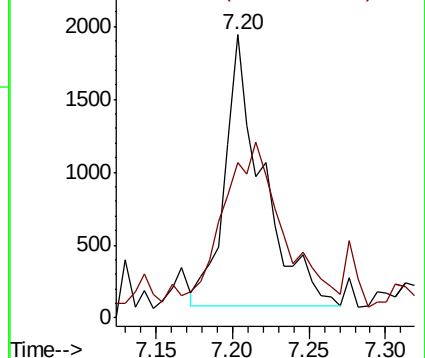
130 100

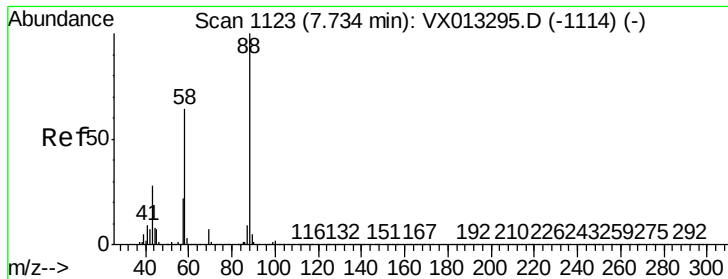
95 48.9 0.0 184.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 1.524 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013364.D

Acq: 08 Nov 2019 17:48

Instrument :

MSVOA_X

ClientSampleId :

MW-317B-SRI4

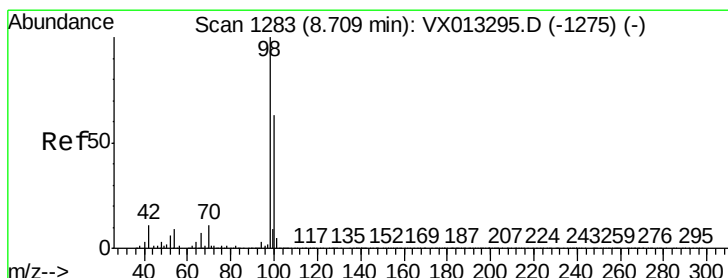
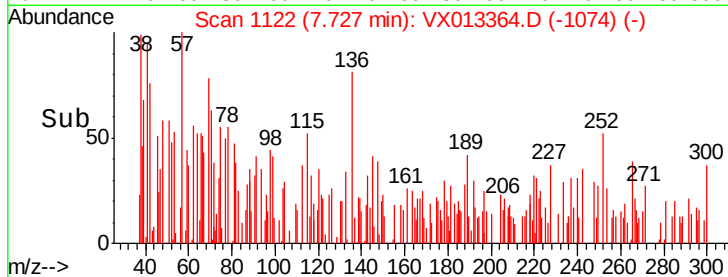
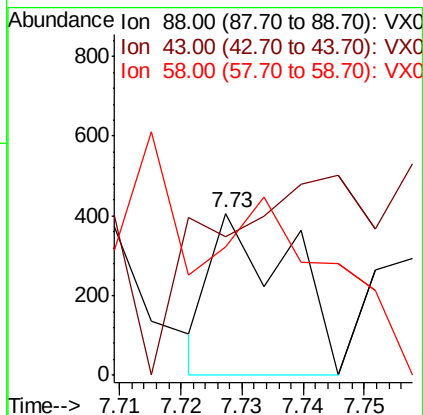
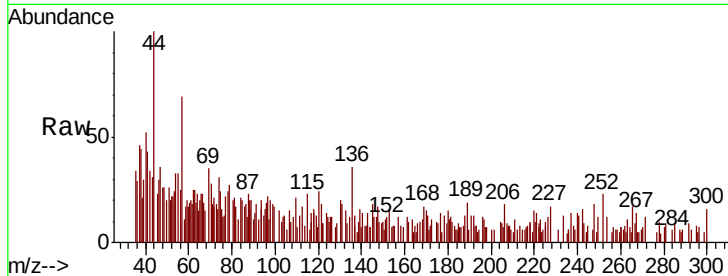
Tot Ion: 88 Resp: 363

Ion Ratio Lower Upper

88 100

43 0.0 26.6 39.8#

58 0.0 55.0 82.6#



#50

Toluene-d8

Concen: 50.139 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013364.D

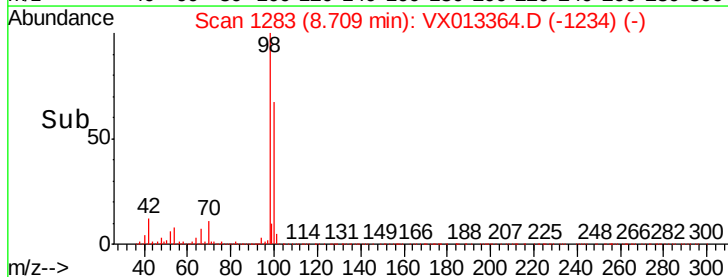
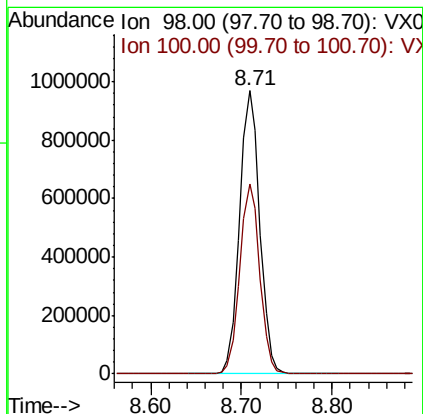
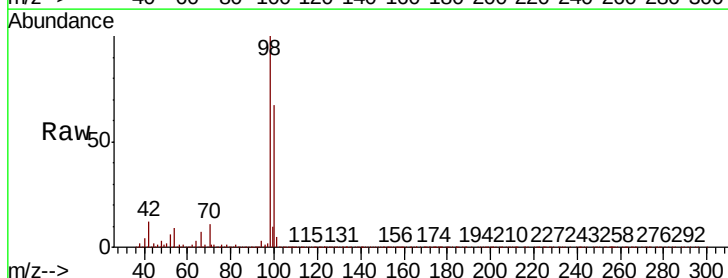
Acq: 08 Nov 2019 17:48

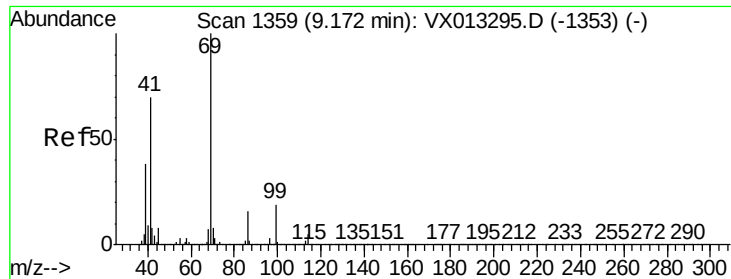
Tgt Ion: 98 Resp: 1496578

Ion Ratio Lower Upper

98 100

100 66.5 52.2 78.2

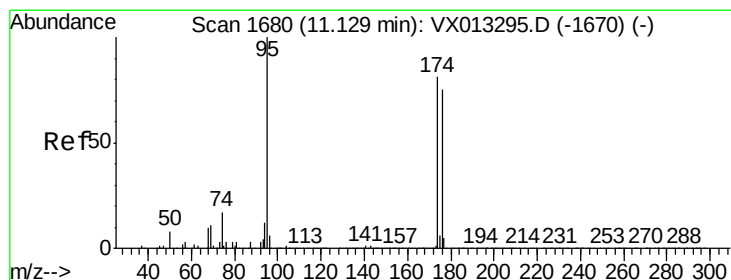
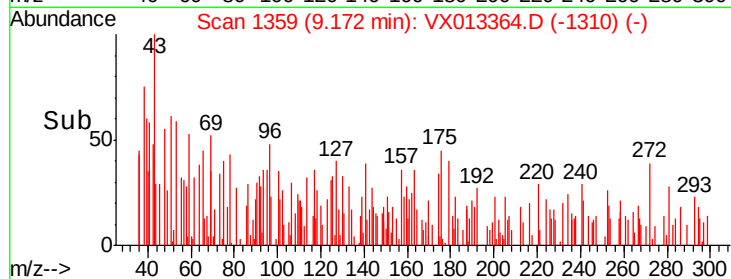
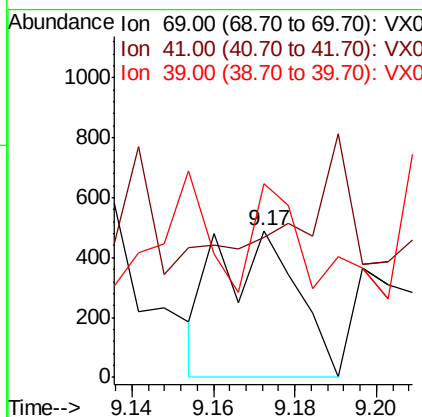
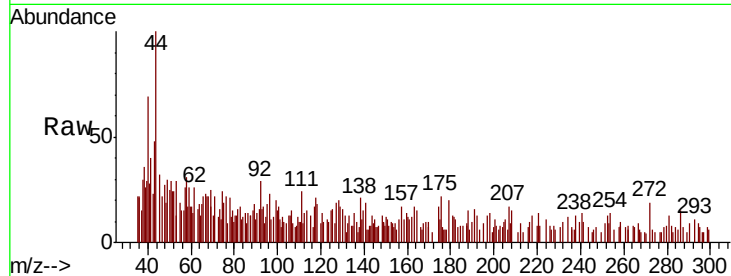




#56
Ethyl methacrylate
Concen: 1.606 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VX013364.D
Acq: 08 Nov 2019 17:48

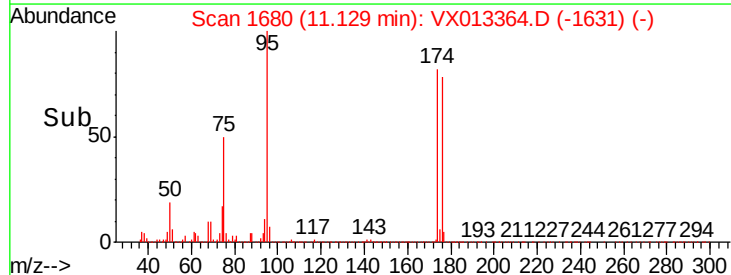
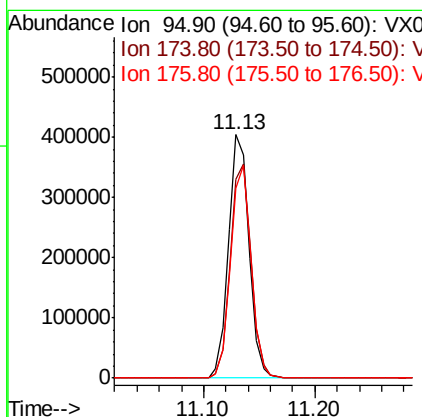
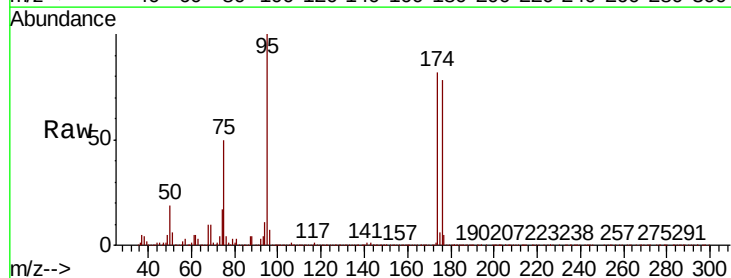
Instrument :
MSVOA_X
ClientSampled :
MW-317B-SRI4

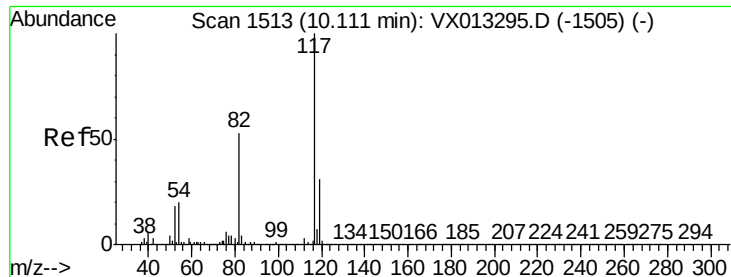
Tot Ion: 69 Resp: 650
Ion Ratio Lower Upper
69 100
41 40.9 56.2 84.2#
39 48.3 31.1 46.7#



#62
4-Bromofluorobenzene
Concen: 48.094 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX013364.D
Acq: 08 Nov 2019 17:48

Tgt Ion: 95 Resp: 518101
Ion Ratio Lower Upper
95 100
174 89.1 0.0 179.8
176 86.9 0.0 173.0

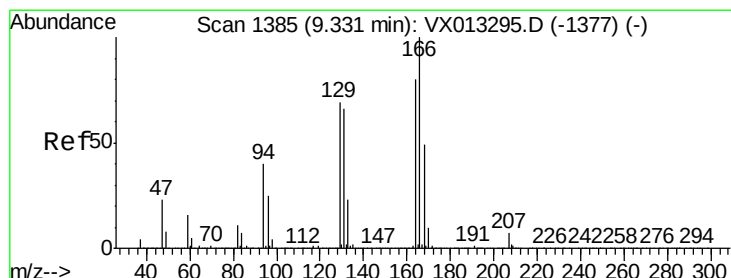
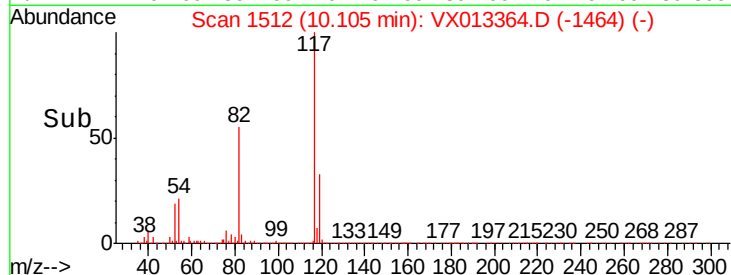
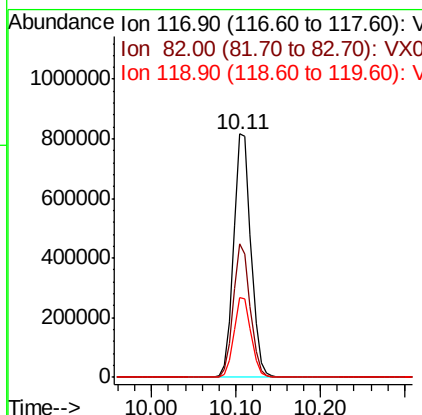
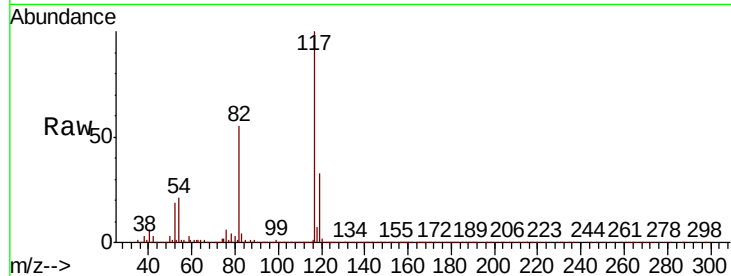




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013364.D
Acq: 08 Nov 2019 17:48

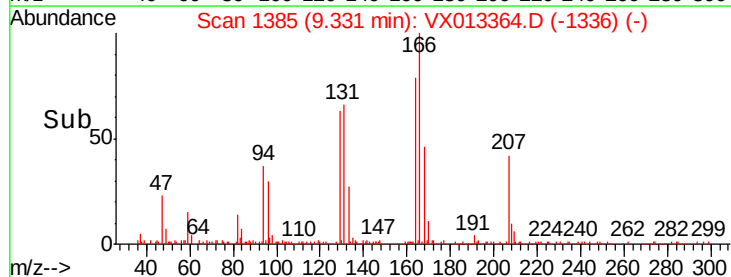
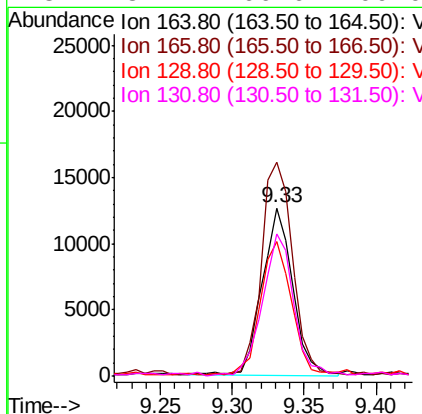
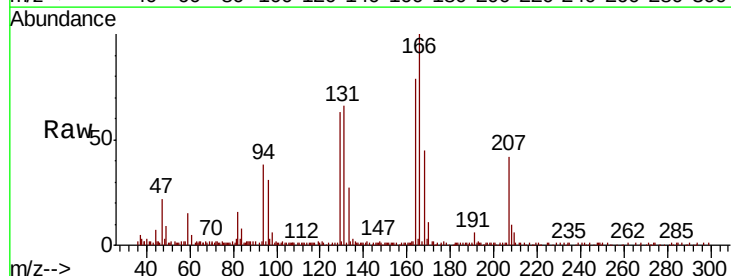
Instrument :
MSVOA_X
ClientSampled :
MW-317B-SRI4

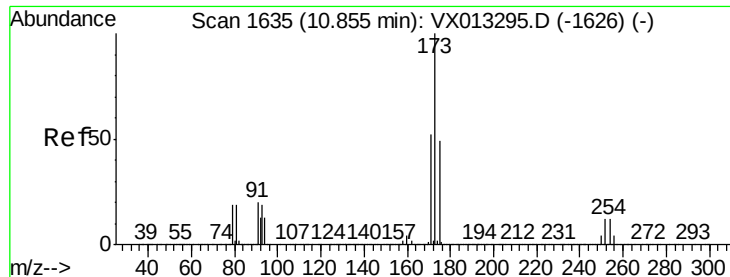
Tot Ion:117 Resp: 1138481
Ion Ratio Lower Upper
117 100
82 54.7 42.6 64.0
119 32.5 24.8 37.2



#64
Tetrachloroethene
Concen: 2.272 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013364.D
Acq: 08 Nov 2019 17:48

Tgt Ion:164 Resp: 18518
Ion Ratio Lower Upper
164 100
166 126.3 100.4 150.6
129 78.8 69.4 104.2
131 84.1 66.6 100.0





#71

Bromoform

Concen: 3.226 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX013364.D

Acq: 08 Nov 2019 17:48

Instrument :

MSVOA_X

ClientSampled :

MW-317B-SRI4

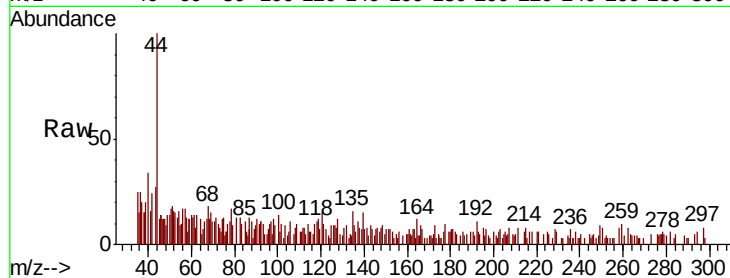
Tot Ion:173 Resp: 195

Ion Ratio Lower Upper

173 100

175 0.0 24.8 74.4#

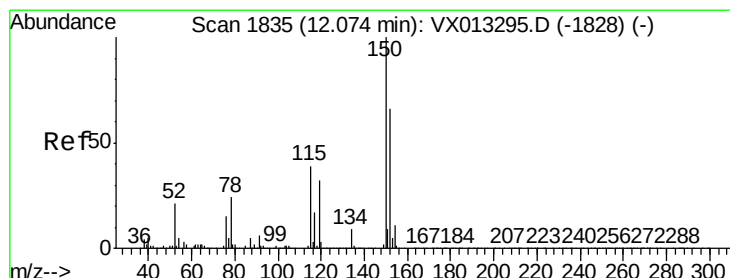
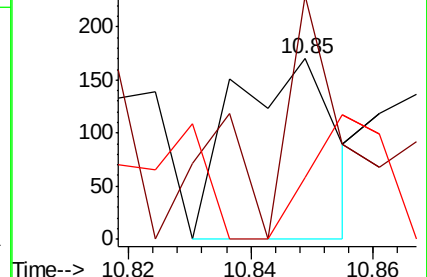
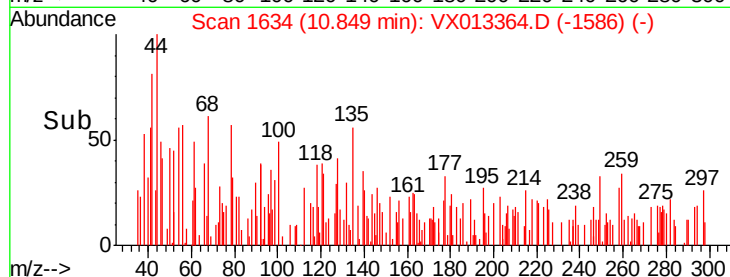
254 51.3 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013364.D

Acq: 08 Nov 2019 17:48

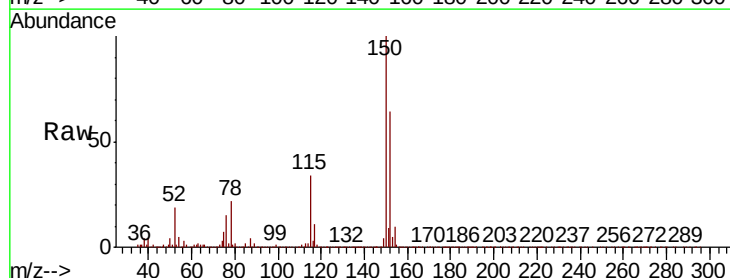
Tgt Ion:152 Resp: 531788

Ion Ratio Lower Upper

152 100

115 55.6 39.5 118.3

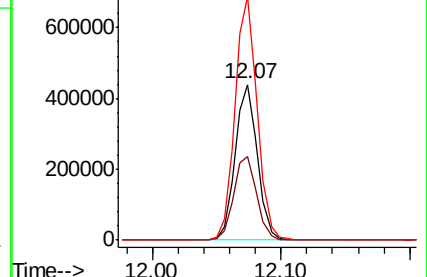
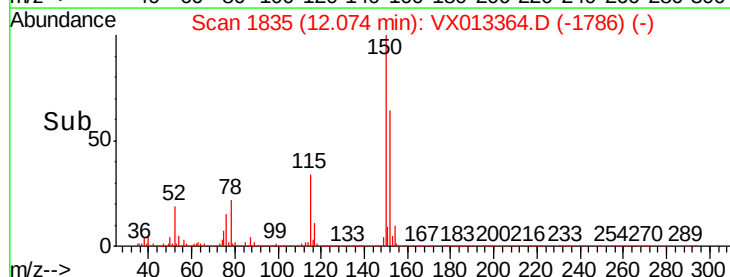
150 156.3 0.0 344.4

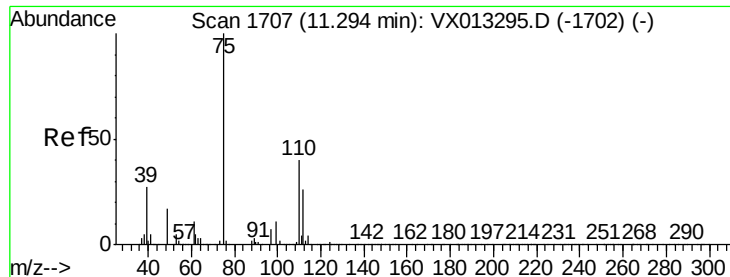


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.387 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013364.D

Acq: 08 Nov 2019 17:48

Instrument :

MSVOA_X

ClientSampleId :

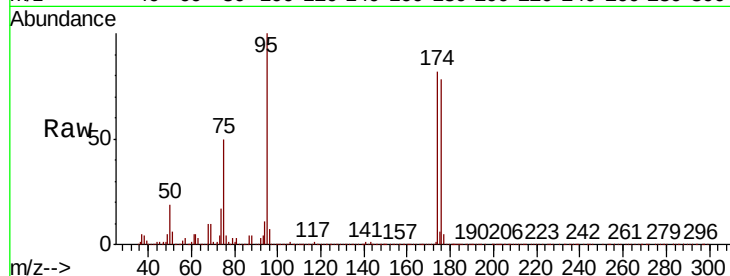
MW-317B-SRI4

Tot Ion: 75 Resp: 252610

Ion Ratio Lower Upper

75 100

77 1.5 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

200000

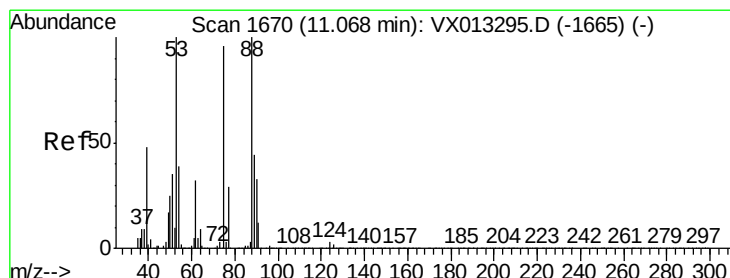
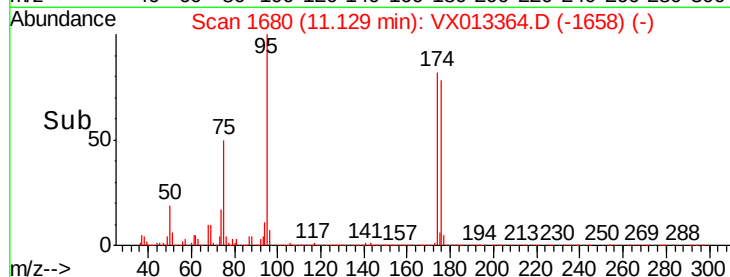
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 60.198 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013364.D

Acq: 08 Nov 2019 17:48

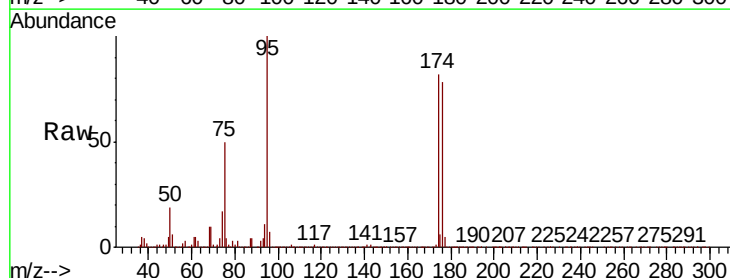
Tgt Ion: 75 Resp: 252610

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

89 0.0 36.0 54.0#



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

250000

200000

150000

100000

50000

0

Time-->

