

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112119\
 Data File : VX013497.D
 Acq On : 21 Nov 2019 12:53
 Operator : JC/SP
 Sample : K5958-06DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4DL

Quant Time: Nov 22 08:05:11 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	669250	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1077822	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	976917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	498576	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	391869	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
35) Dibromofluoromethane	5.49	113	324111	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
50) Toluene-d8	8.71	98	1301654	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
62) 4-Bromofluorobenzene	11.14	95	475764	51.73	ug/l	0.00
Spiked Amount			Recovery	=	103.46%	

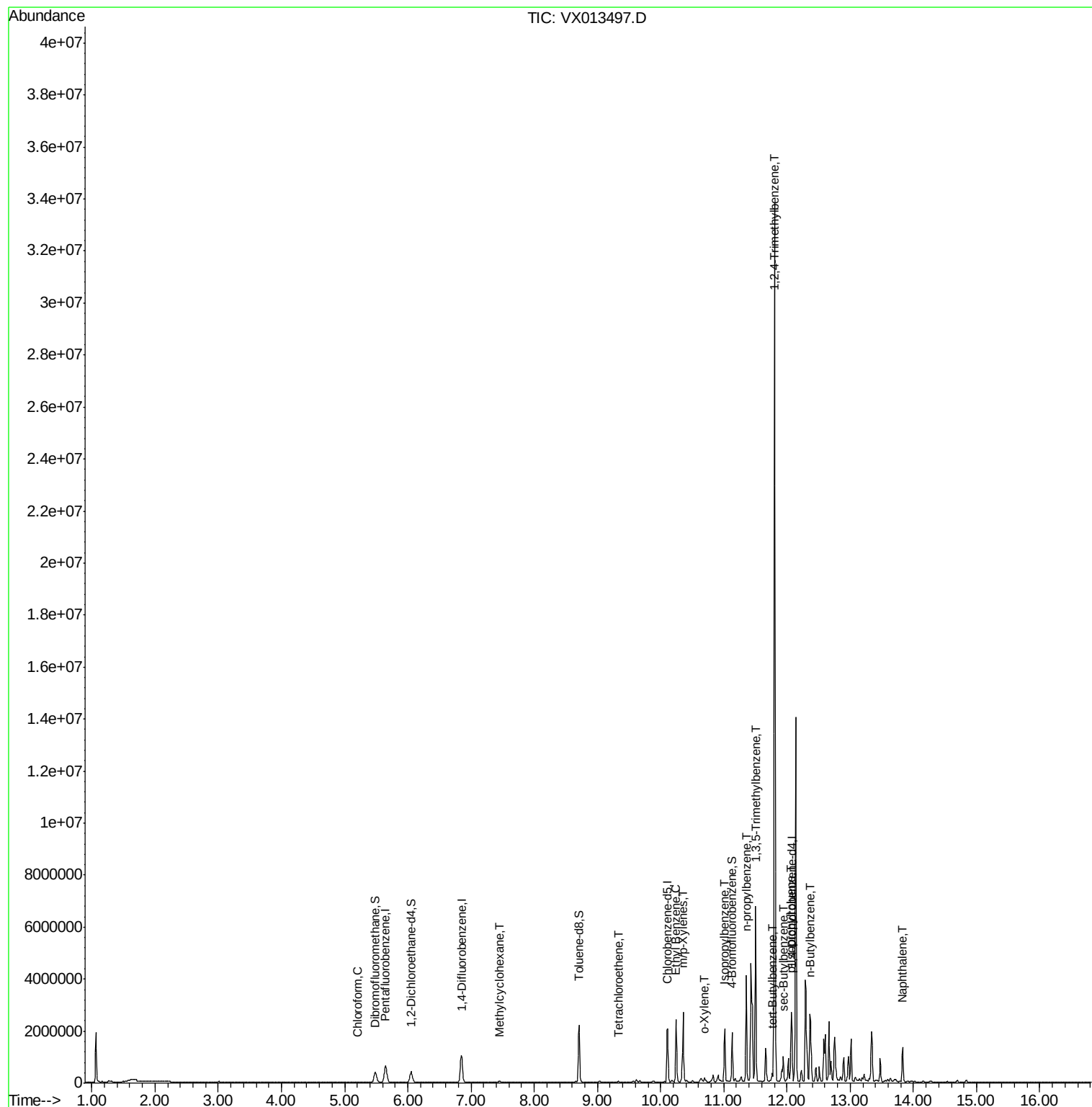
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
30) Chloroform	5.20	83	11688	0.983	ug/l	100
39) Methylcyclohexane	7.46	83	14432	1.253	ug/l	97
64) Tetrachloroethene	9.33	164	4605	0.658	ug/l #	82
67) Ethyl Benzene	10.25	91	1375508	40.296	ug/l	99
68) m/p-Xylenes	10.35	106	617130	47.804	ug/l	100
69) o-Xylene	10.70	106	35903	2.841	ug/l	98
73) Isopropylbenzene	11.01	105	1070041	32.370	ug/l	100
78) n-propylbenzene	11.35	91	2386214	64.803	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	2862479	103.961	ug/l	99
83) tert-Butylbenzene	11.77	119	107639	3.883	ug/l	86
84) 1,2,4-Trimethylbenzene	11.80	105	12376379	448.082	ug/l	82
85) sec-Butylbenzene	11.94	105	516246	16.206	ug/l #	76
86) p-Isopropyltoluene	12.06	119	471731	16.082	ug/l	99
89) n-Butylbenzene	12.38	91	477845	18.669	ug/l #	41
95) Naphthalene	13.83	128	817619	23.793	ug/l	99

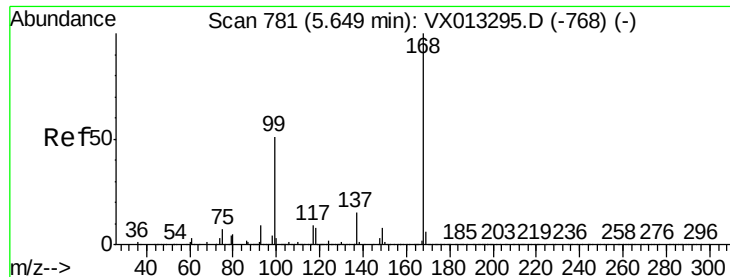
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013497.D

Acq: 21 Nov 2019 12:53

Instrument :

MSVOA_X

ClientSampled :

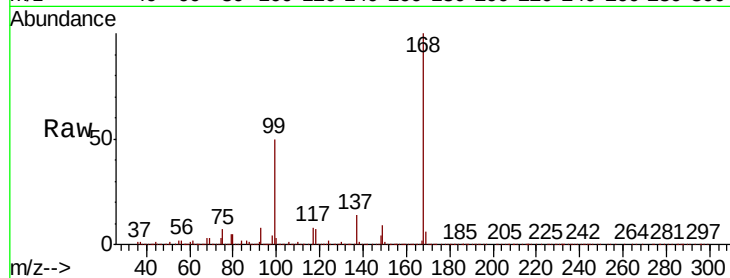
MW-4DL

Tot Ion:168 Resp: 669250

Ion Ratio Lower Upper

168 100

99 50.0 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

250000

200000

150000

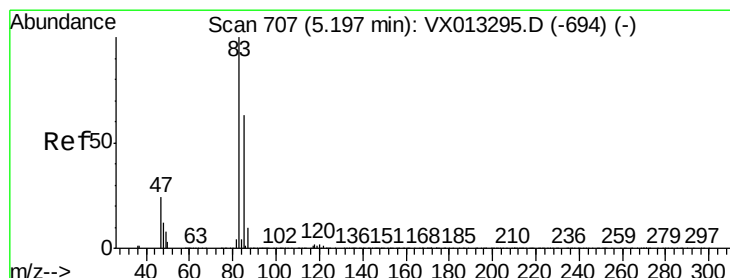
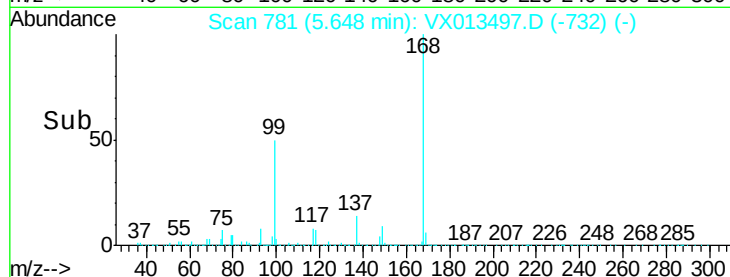
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#30

Chloroform

Concen: 0.983 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.01 min

Lab File: VX013497.D

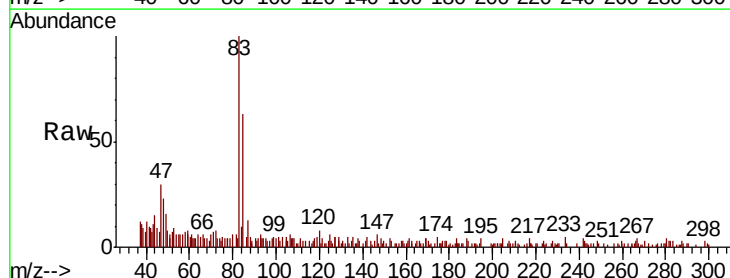
Acq: 21 Nov 2019 12:53

Tgt Ion: 83 Resp: 11688

Ion Ratio Lower Upper

83 100

85 62.9 50.2 75.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

5.20

5000

4000

3000

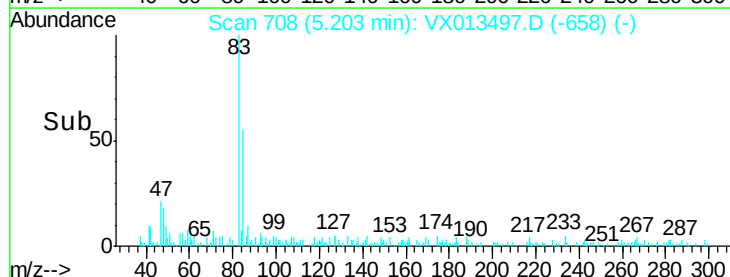
2000

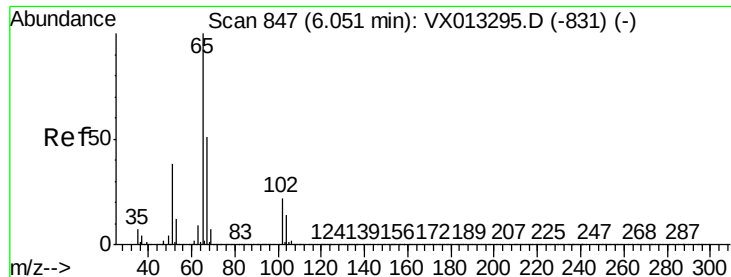
1000

0

Time-->

5.10 5.15 5.20 5.25 5.30

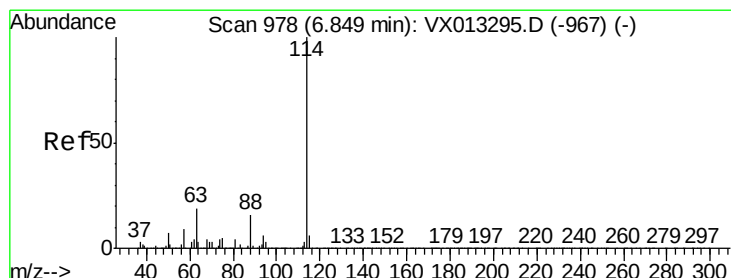
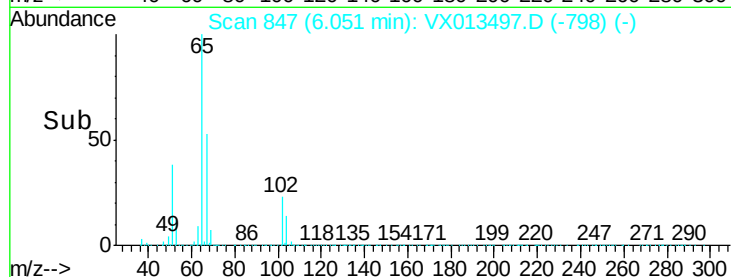
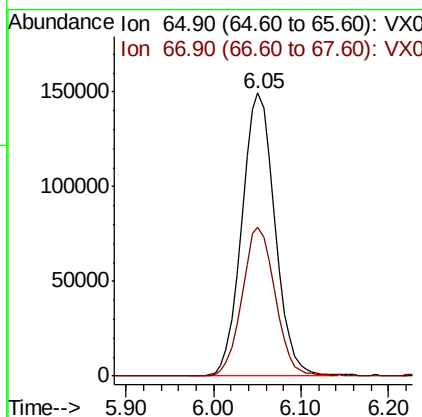
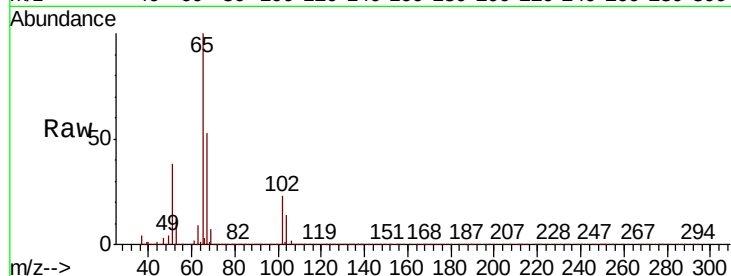




#33
 1,2-Dichloroethane-d4
 Concen: 49.425 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013497.D
 Acq: 21 Nov 2019 12:53

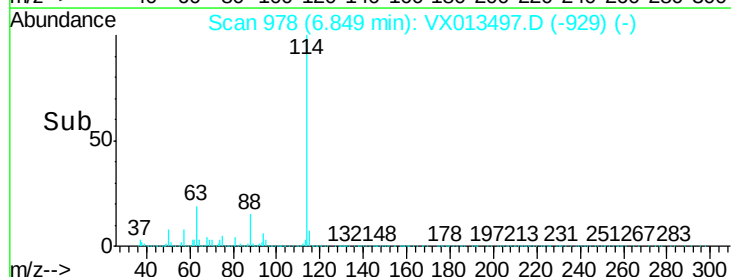
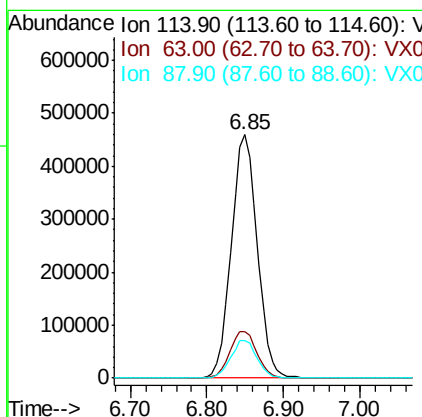
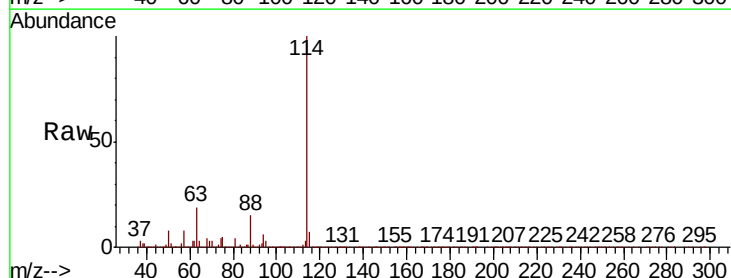
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4DL

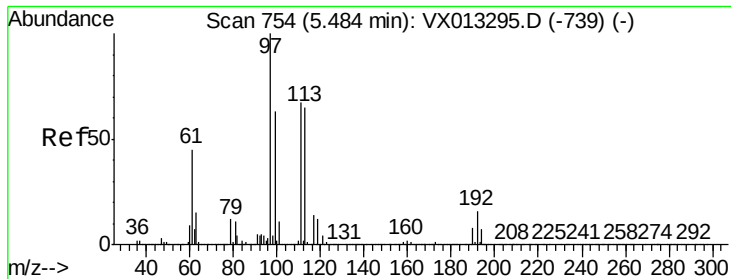
Tot Ion: 65 Resp: 391869
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013497.D
 Acq: 21 Nov 2019 12:53

Tgt Ion: 114 Resp: 1077822
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.4
 88 15.3 0.0 32.2





#35

Dibromofluoromethane

Concen: 47.944 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013497.D

Acq: 21 Nov 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

MW-4DL

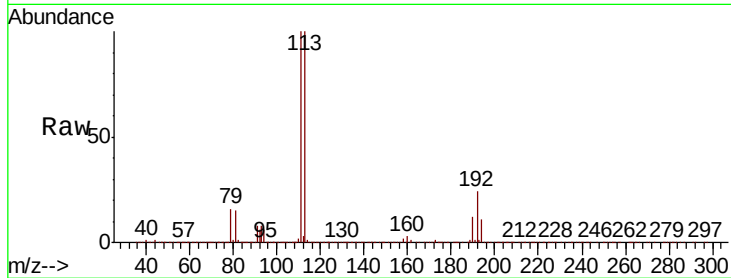
Tot Ion:113 Resp: 324111

Ion Ratio Lower Upper

113 100

111 103.0 81.9 122.9

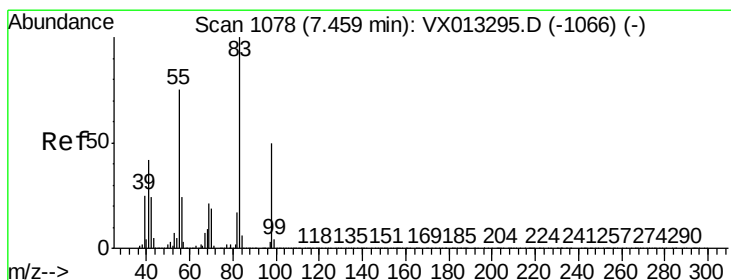
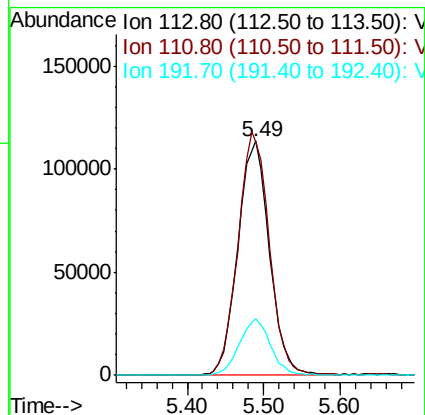
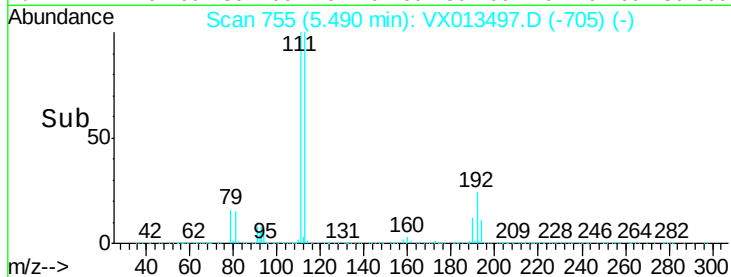
192 24.0 19.1 28.7



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



#39

Methylcyclohexane

Concen: 1.253 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. -0.00 min

Lab File: VX013497.D

Acq: 21 Nov 2019 12:53

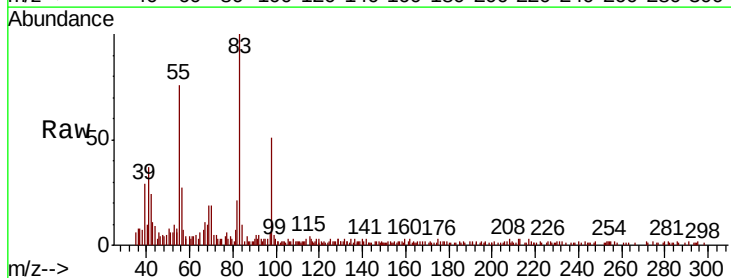
Tgt Ion: 83 Resp: 14432

Ion Ratio Lower Upper

83 100

55 71.9 60.3 90.5

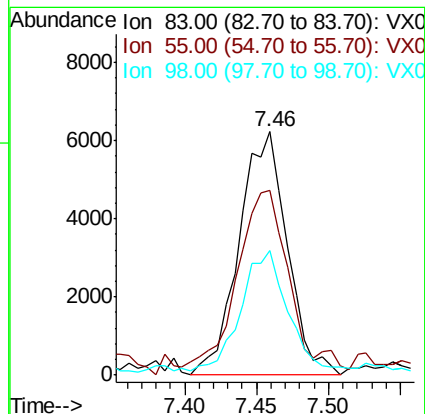
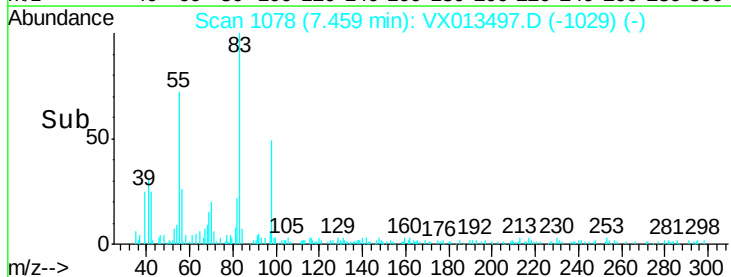
98 49.1 40.3 60.5

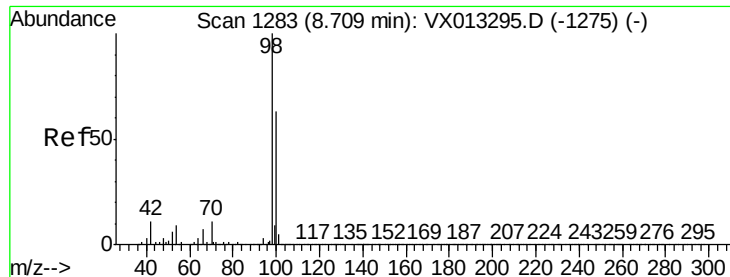


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#50

Toluene-d8

Concen: 51.075 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013497.D

Acq: 21 Nov 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

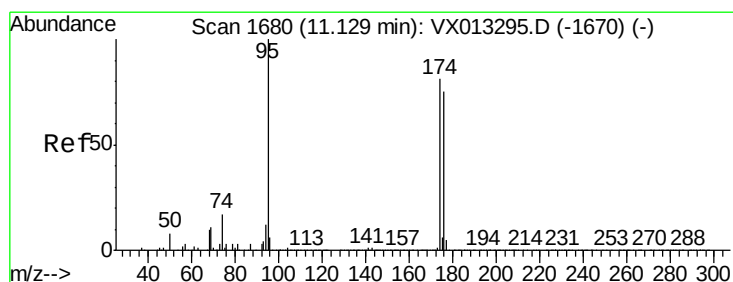
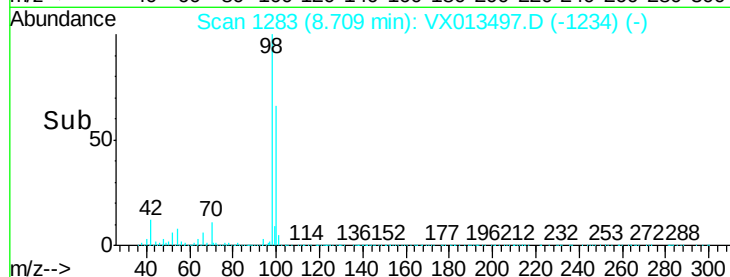
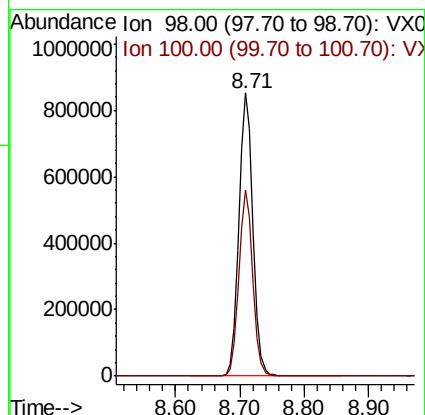
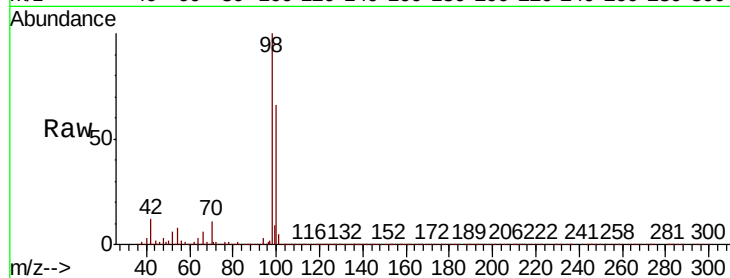
MW-4DL

Tot Ion: 98 Resp: 1301654

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 51.726 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013497.D

Acq: 21 Nov 2019 12:53

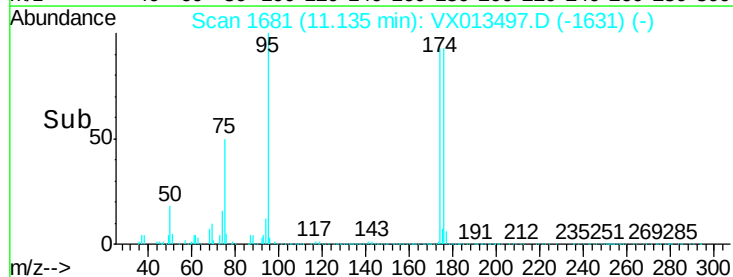
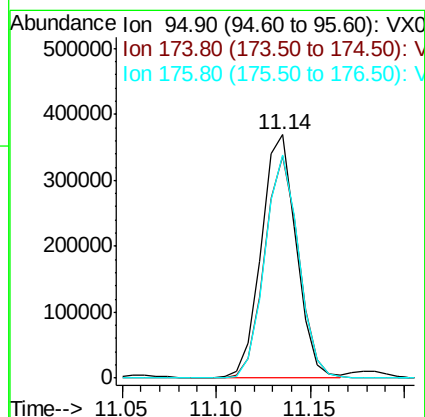
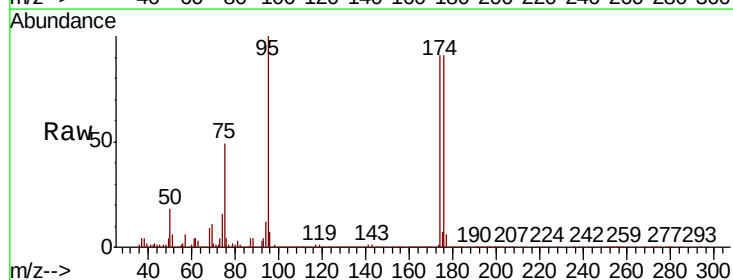
Tgt Ion: 95 Resp: 475764

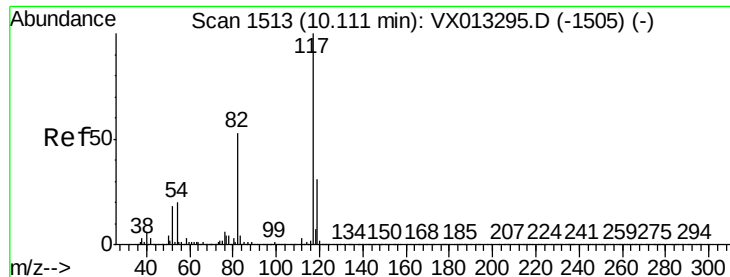
Ion Ratio Lower Upper

95 100

174 89.0 0.0 179.8

176 88.5 0.0 173.0

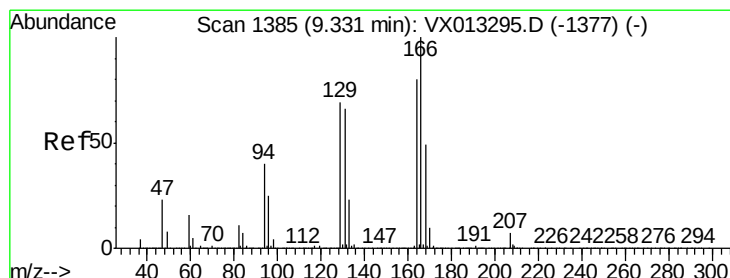
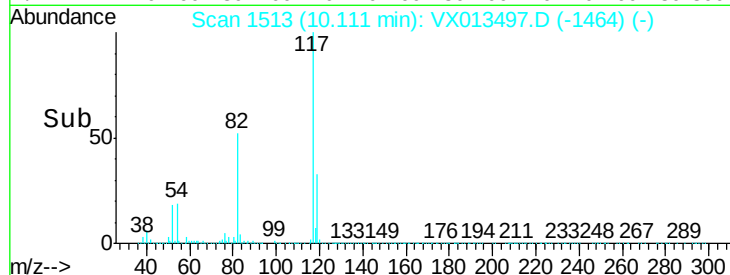
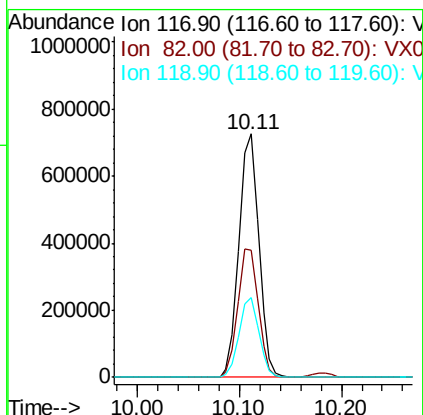
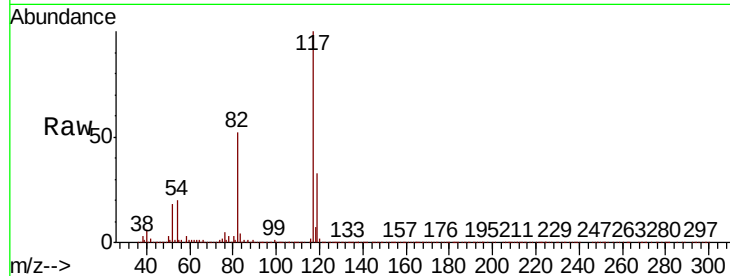




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013497.D
Acq: 21 Nov 2019 12:53

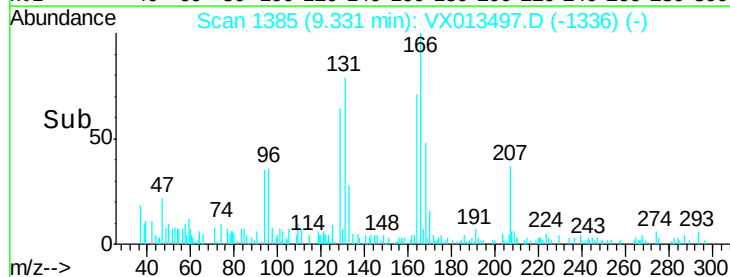
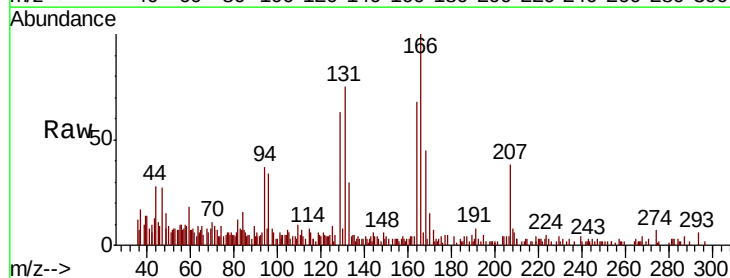
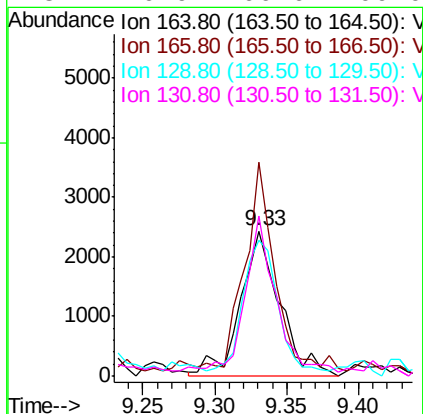
Instrument :
MSVOA_X
ClientSampleId :
MW-4DL

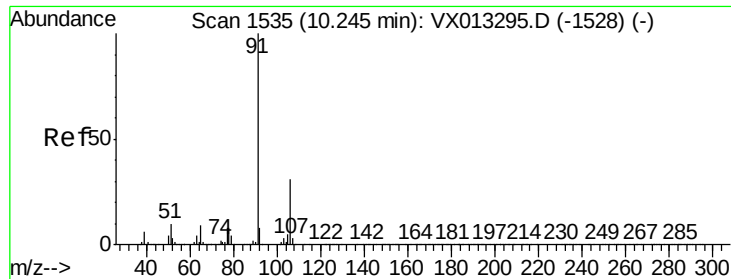
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.6	64.0
119	32.6	24.8	37.2



#64
Tetrachloroethene
Concen: 0.658 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013497.D
Acq: 21 Nov 2019 12:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	146.2	100.4	150.6
129	82.0	69.4	104.2
131	110.9	66.6	100.0#

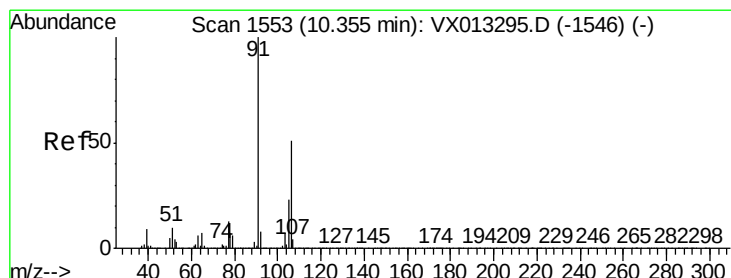
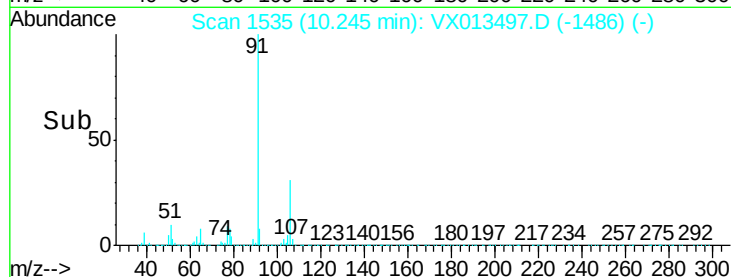
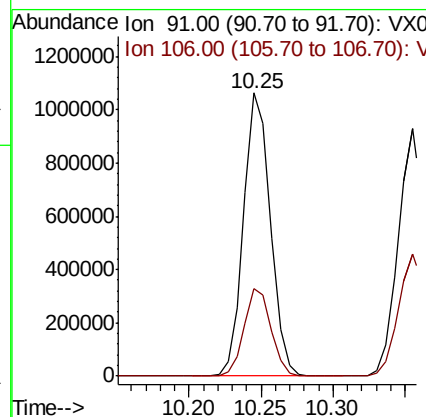
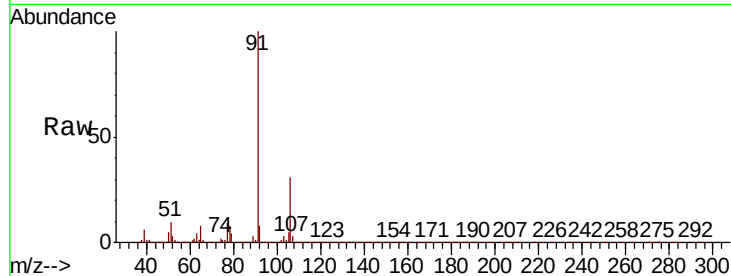




#67
Ethyl Benzene
Concen: 40.296 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX013497.D
Acq: 21 Nov 2019 12:53

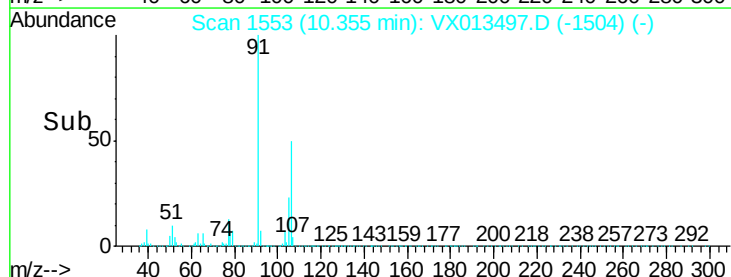
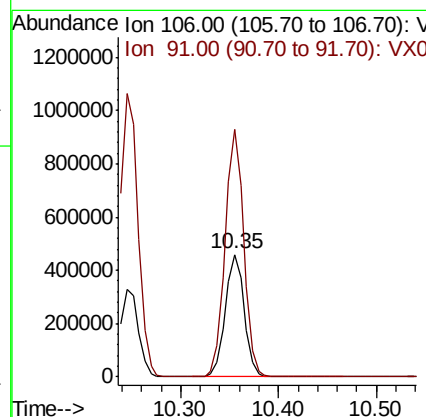
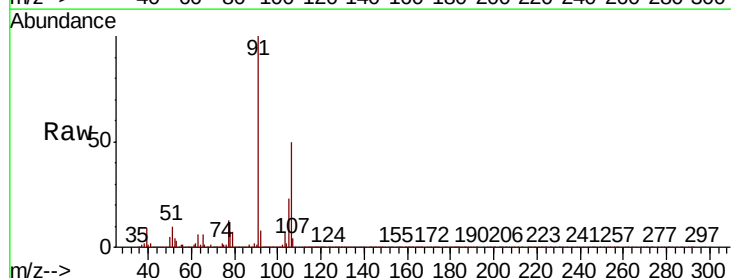
Instrument :
MSVOA_X
ClientSampled :
MW-4DL

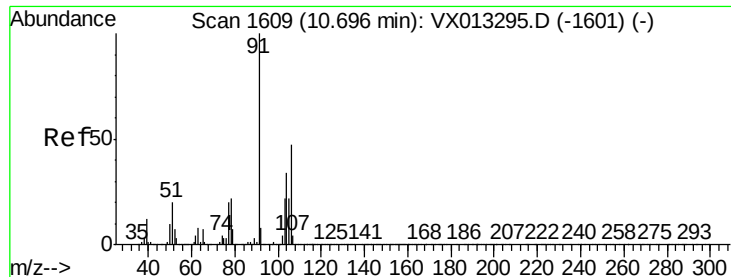
Tot Ion: 91 Resp: 1375508
Ion Ratio Lower Upper
91 100
106 31.0 24.6 36.8



#68
m/p-Xylenes
Concen: 47.804 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013497.D
Acq: 21 Nov 2019 12:53

Tgt Ion: 106 Resp: 617130
Ion Ratio Lower Upper
106 100
91 198.8 159.3 238.9

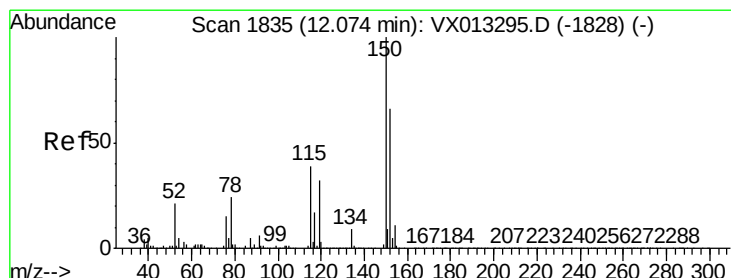
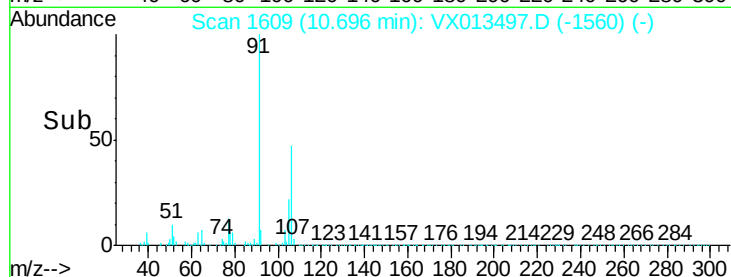
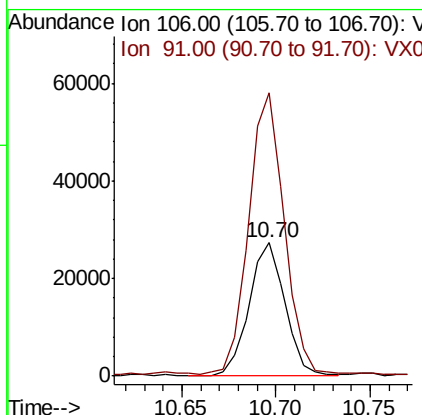
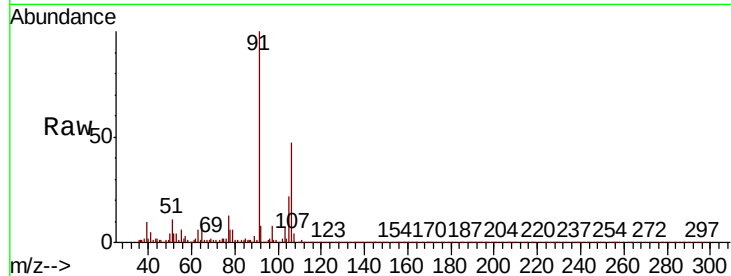




#69
o-Xylene
Concen: 2.841 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013497.D
Acq: 21 Nov 2019 12:53

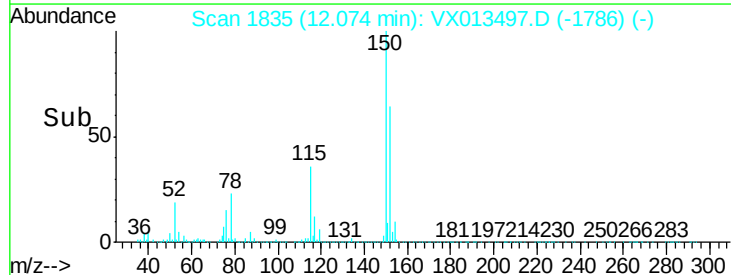
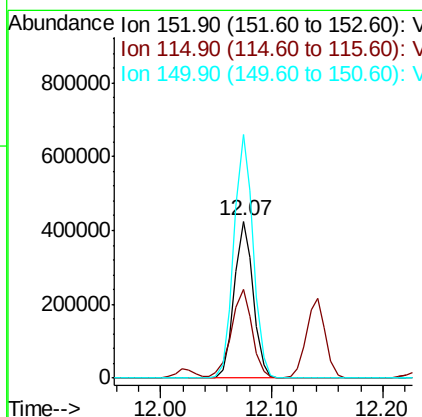
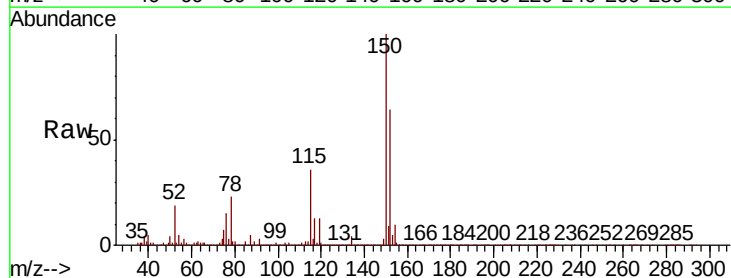
Instrument :
MSVOA_X
ClientSampleId :
MW-4DL

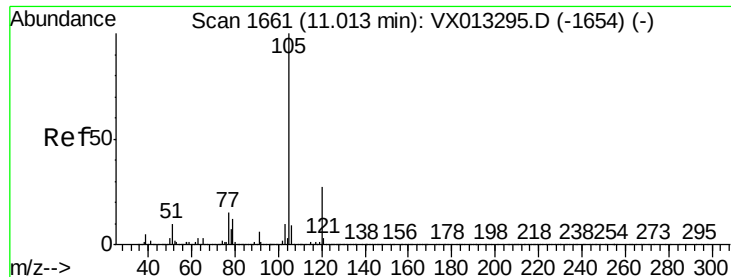
Tot Ion:106 Resp: 35903
Ion Ratio Lower Upper
106 100
91 208.3 105.7 317.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013497.D
Acq: 21 Nov 2019 12:53

Tgt Ion:152 Resp: 498576
Ion Ratio Lower Upper
152 100
115 62.2 39.5 118.3
150 157.2 0.0 344.4





#73

Isopropylbenzene

Concen: 32.370 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013497.D

Acq: 21 Nov 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

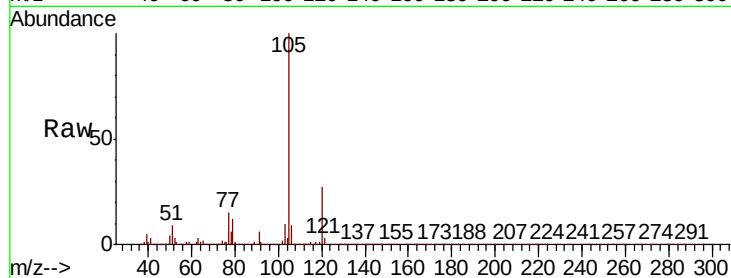
MW-4DL

Tot Ion:105 Resp: 1070041

Ion Ratio Lower Upper

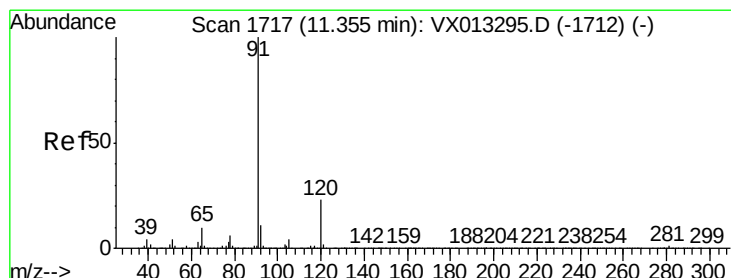
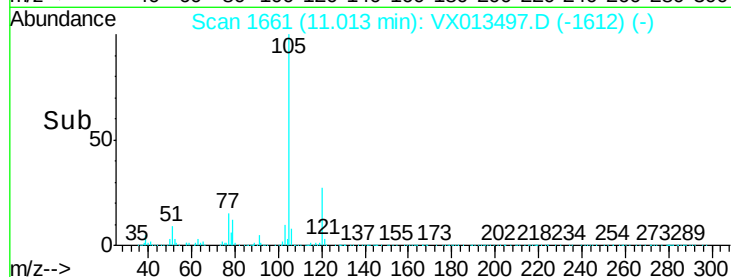
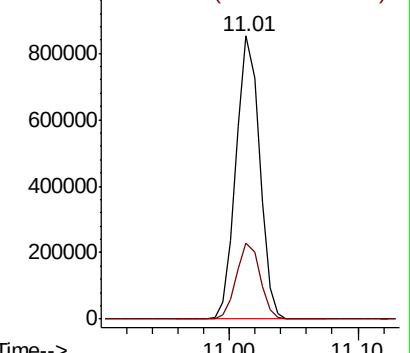
105 100

120 26.9 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 64.803 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013497.D

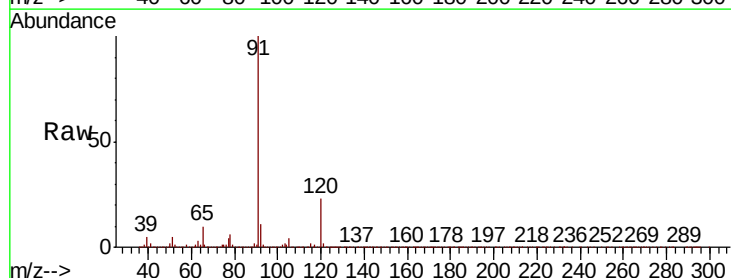
Acq: 21 Nov 2019 12:53

Tgt Ion: 91 Resp: 2386214

Ion Ratio Lower Upper

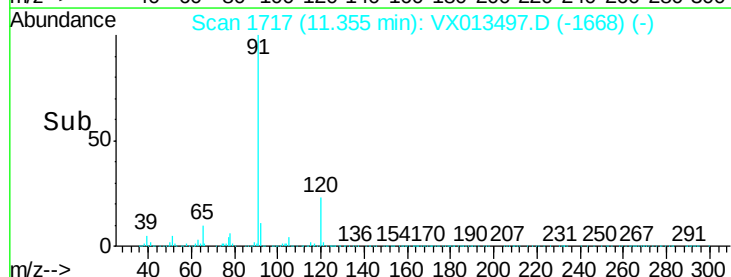
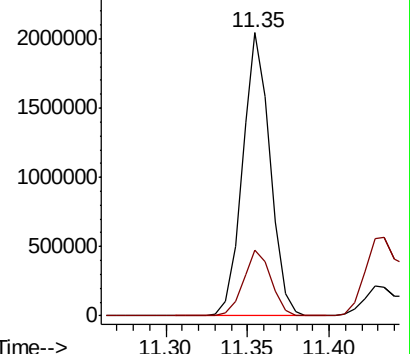
91 100

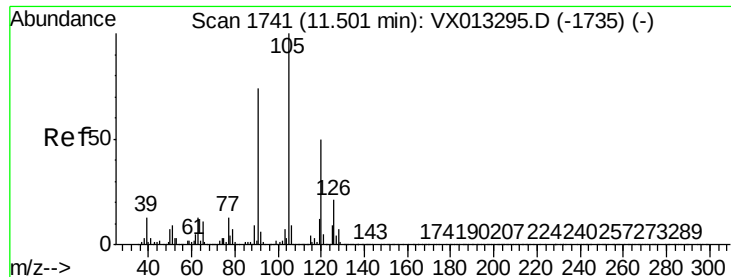
120 23.3 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



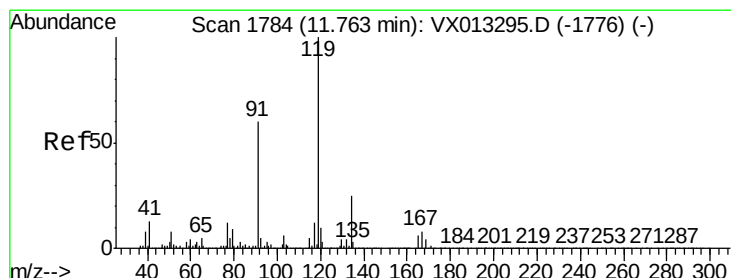
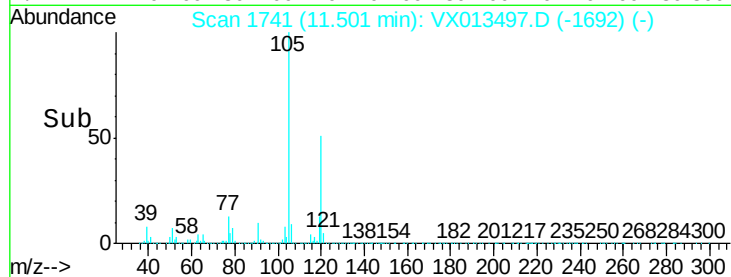
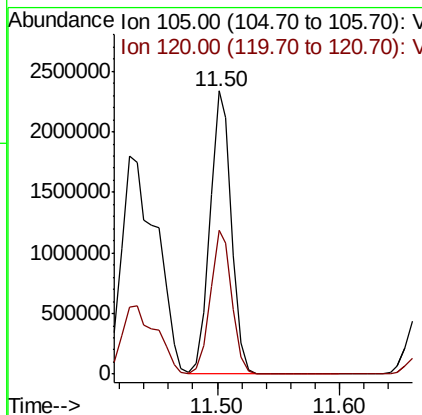
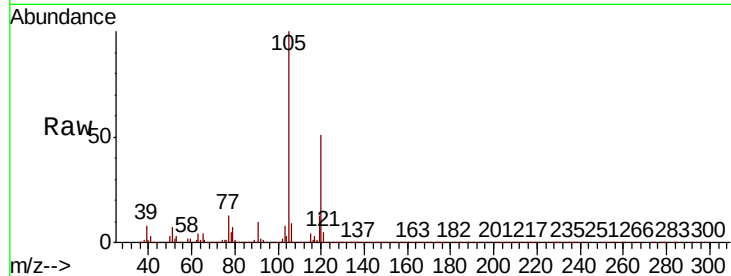


#80

1,3,5-Trimethylbenzene
Concen: 103.961 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX013497.D
Acq: 21 Nov 2019 12:53

Instrument :
MSVOA_X
ClientSampled :
MW-4DL

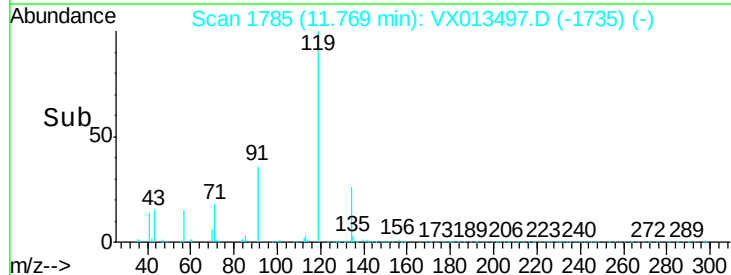
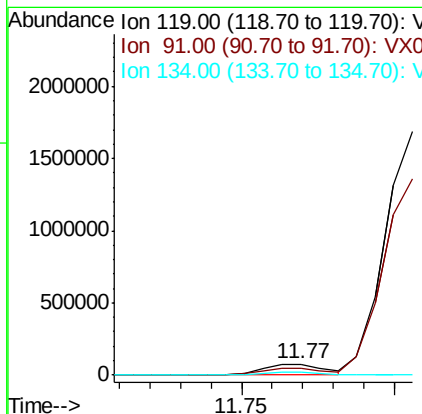
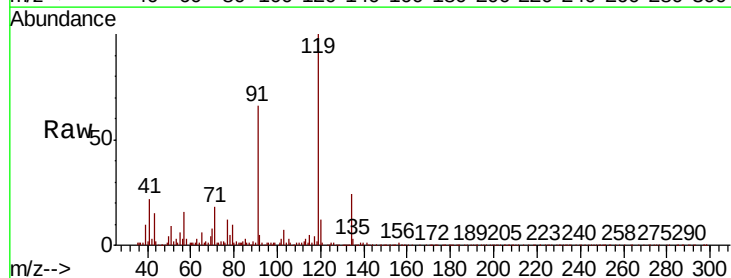
Tot Ion:105 Resp: 2862479
Ion Ratio Lower Upper
105 100
120 50.7 24.9 74.8

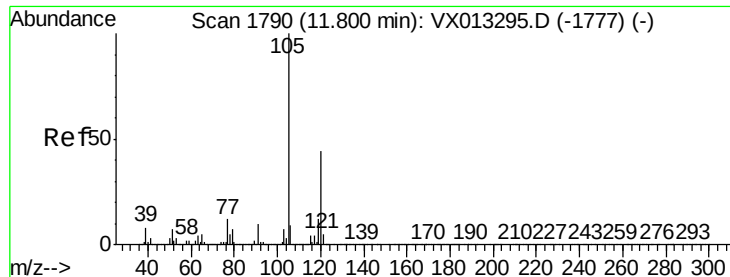


#83

tert-Butylbenzene
Concen: 3.883 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VX013497.D
Acq: 21 Nov 2019 12:53

Tgt Ion:119 Resp: 107639
Ion Ratio Lower Upper
119 100
91 67.2 26.9 80.7
134 24.6 11.7 35.1

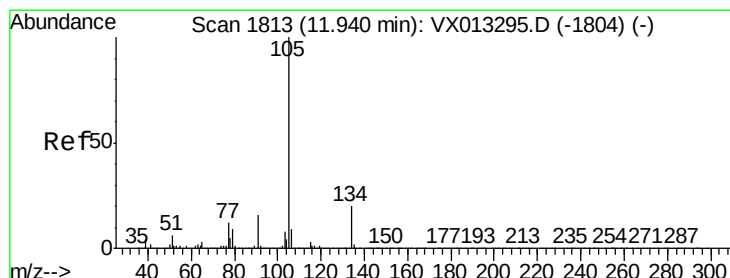
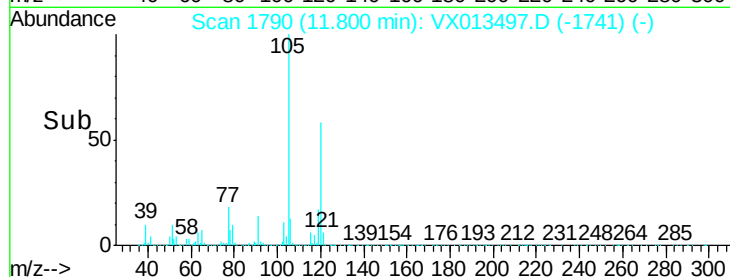
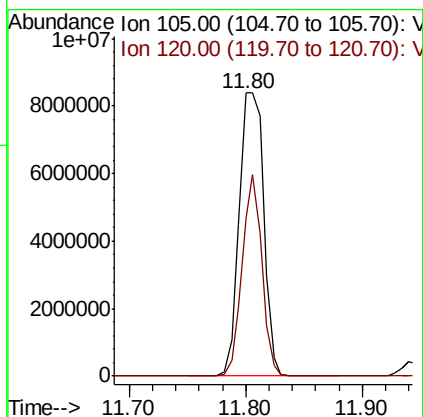
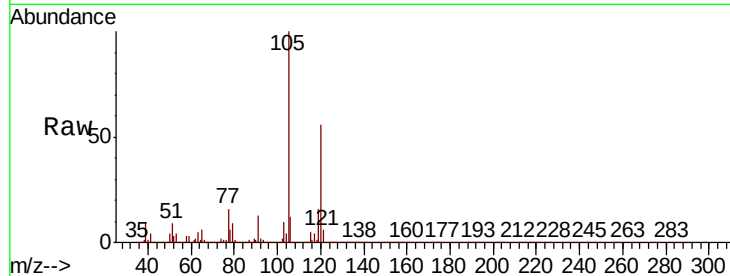




#84
 1,2,4-Trimethylbenzene
 Concen: 448.082 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX013497.D
 Acq: 21 Nov 2019 12:53

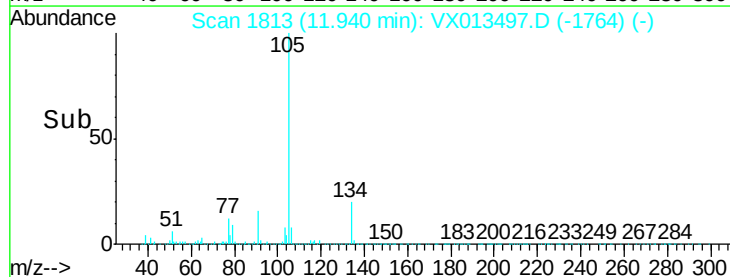
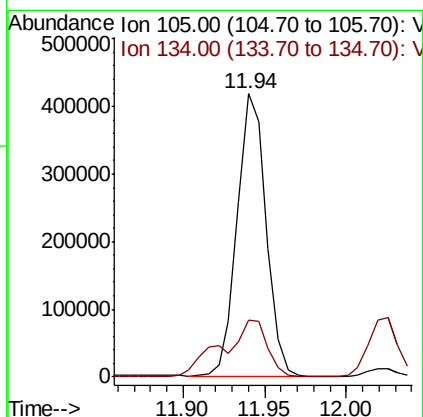
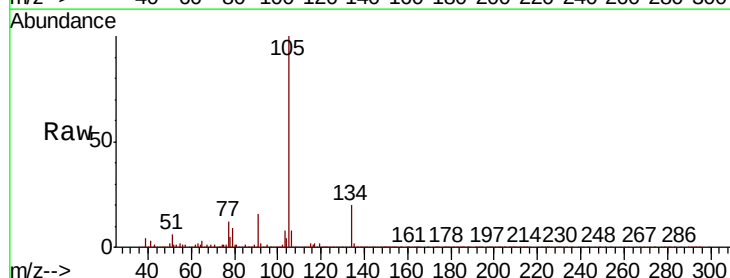
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4DL

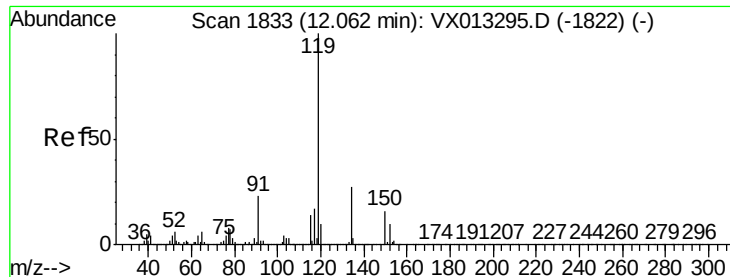
Tot Ion:105 Resp:12376379
 Ion Ratio Lower Upper
 105 100
 120 57.1 22.7 68.1



#85
 sec-Butylbenzene
 Concen: 16.206 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013497.D
 Acq: 21 Nov 2019 12:53

Tgt Ion:105 Resp: 516246
 Ion Ratio Lower Upper
 105 100
 134 31.6 10.3 30.9#

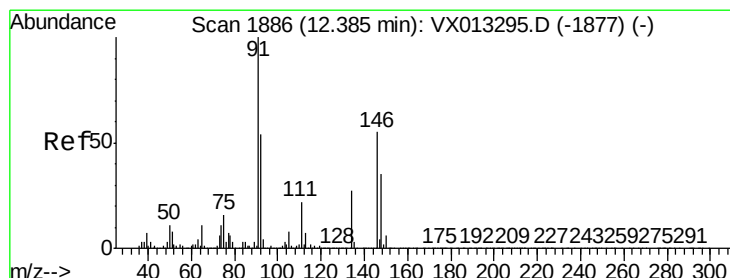
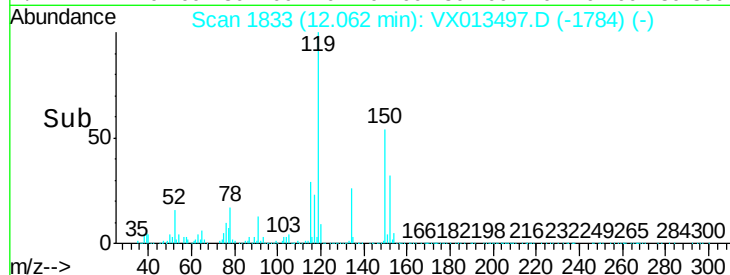
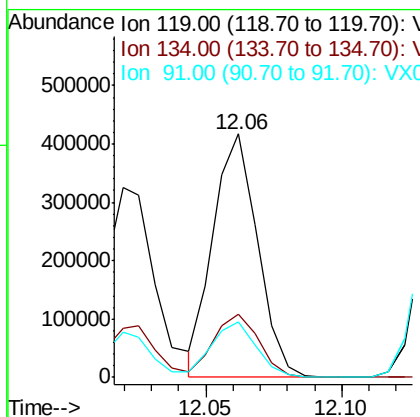
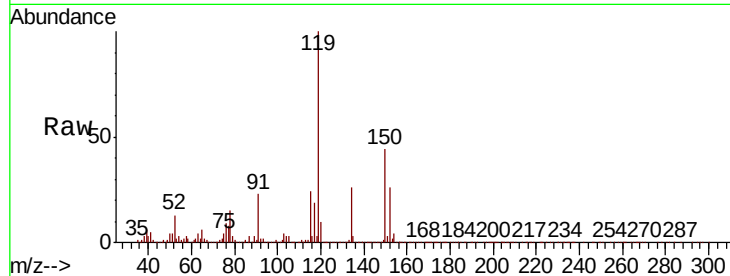




#86
p-Isopropyltoluene
Concen: 16.082 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX013497.D
Acq: 21 Nov 2019 12:53

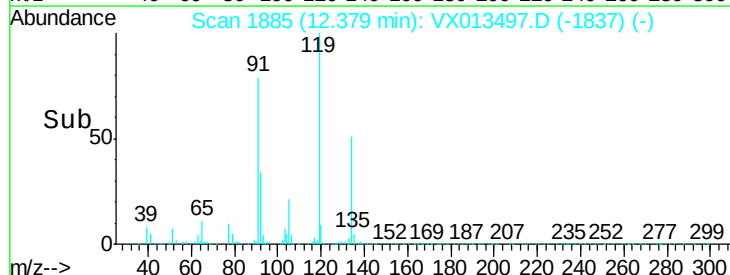
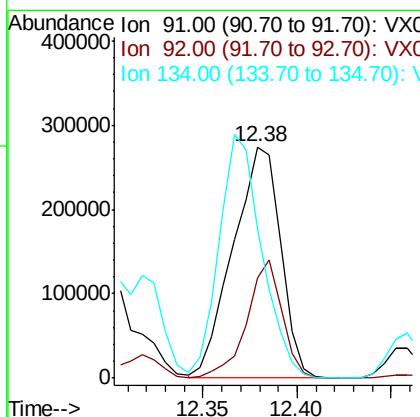
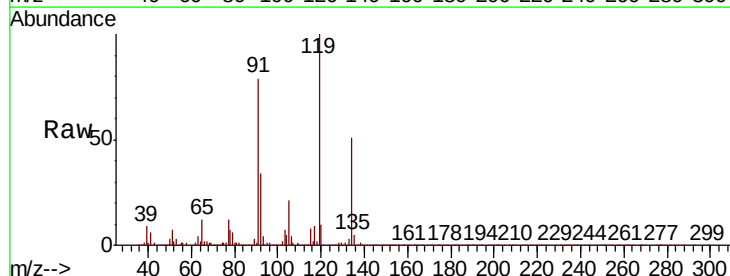
Instrument :
MSVOA_X
ClientSampled :
MW-4DL

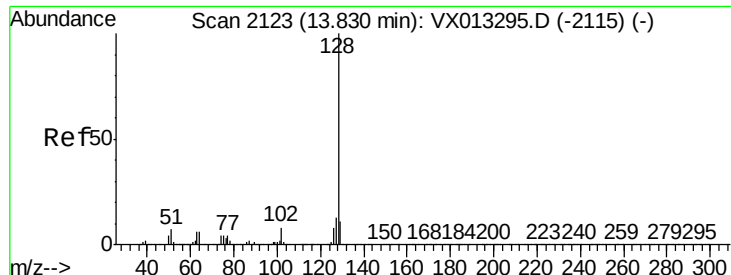
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.3	39.8
91	22.5	11.5	34.4



#89
n-Butylbenzene
Concen: 18.669 ug/l
RT: 12.38 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX013497.D
Acq: 21 Nov 2019 12:53

Tgt Ion	Ratio	Lower	Upper
91	100		
92	37.7	27.3	81.8
134	94.2	13.5	40.5





#95
Naphthalene
Concen: 23.793 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013497.D
Acq: 21 Nov 2019 12:53

Instrument :
MSVOA_X
ClientSampleId :
MW-4DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.9	8.5	12.7

