

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\
 Data File : VL033293.D
 Acq On : 12 Mar 2019 21:38
 Operator : SY/AP
 Sample : K1805-06DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ST-IA-2DL

Quant Time: Mar 13 09:24:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar 13 07:17:55 2019
 QLast Update : Wed Mar 13 07:17:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	795963	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1766971	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1807686	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1448306	10.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.70%

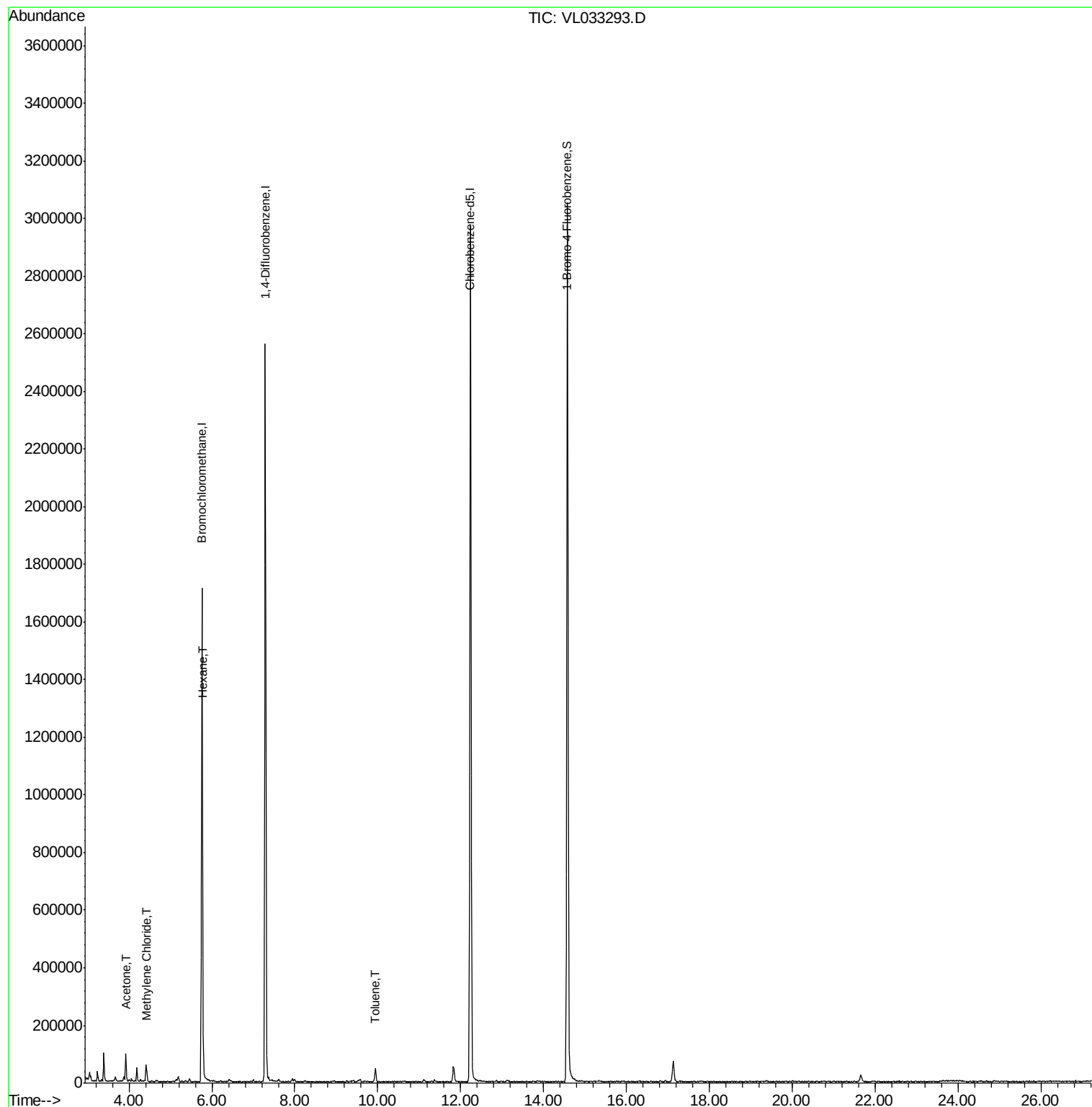
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acetone	3.92	43	58117	0.476	ppbv #	85
20) Methylene Chloride	4.41	84	17925	0.442	ppbv #	87
26) Hexane	5.78	57	16637	0.188	ppbv #	40
53) Toluene	9.94	91	33273	0.177	ppbv	98

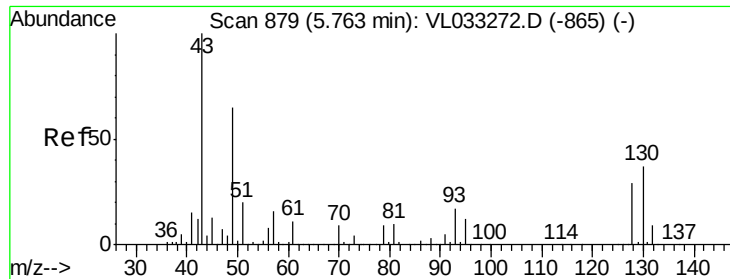
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033293.D

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Instrument :

MSVOA_L

ClientSampleId :

ST-IA-2DL

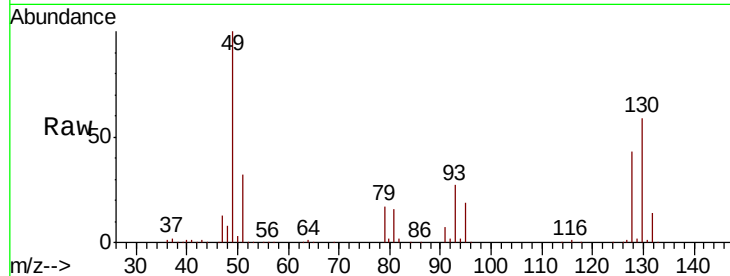
Tgt Ion: 49 Resp: 795963

Ion Ratio Lower Upper

49 100

128 46.5 23.3 69.9

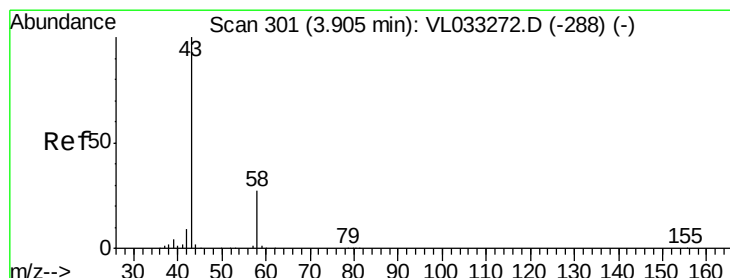
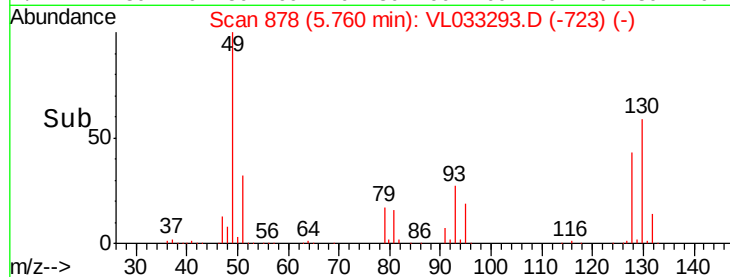
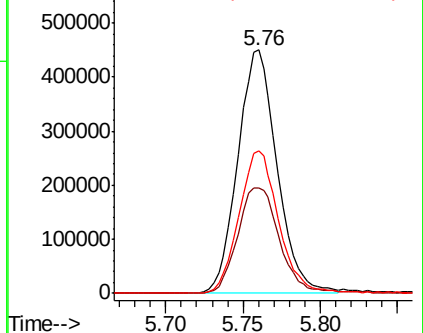
130 59.6 30.0 90.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#15

Acetone

Concen: 0.476 ppbv

RT: 3.92 min Scan# 306

Delta R.T. 0.02 min

Lab File: VL033293.D

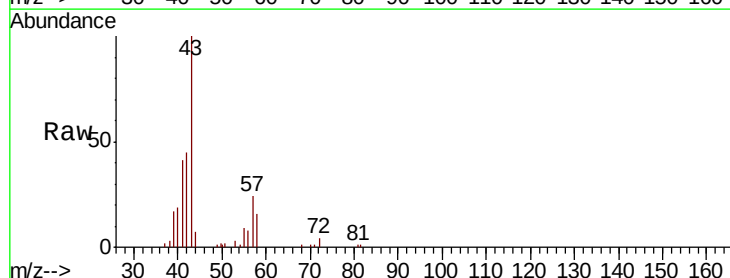
Acq: 12 Mar 2019 21:38

Tgt Ion: 43 Resp: 58117

Ion Ratio Lower Upper

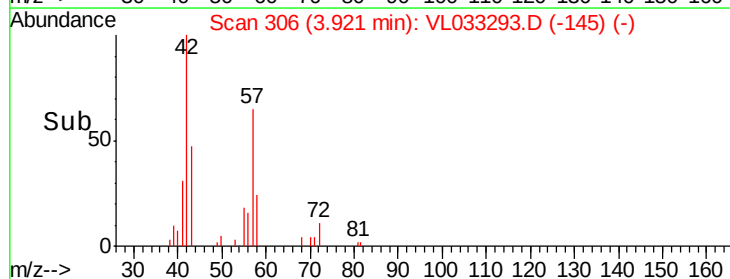
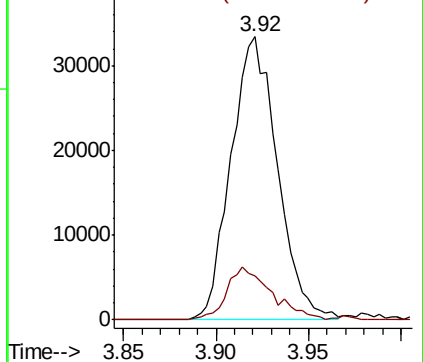
43 100

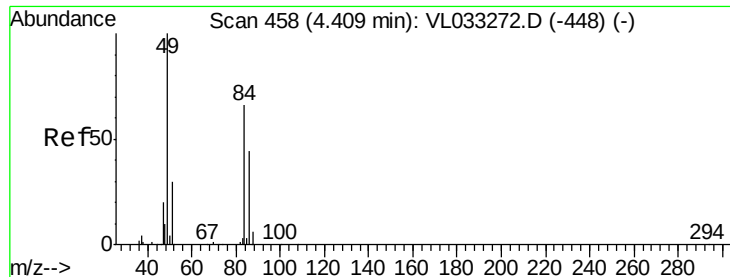
58 18.5 21.1 31.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#20

Methylene Chloride

Concen: 0.442 ppbv

RT: 4.41 min Scan# 459

Delta R.T. 0.00 min

Lab File: VL033293.D

Acq: 12 Mar 2019 21:38

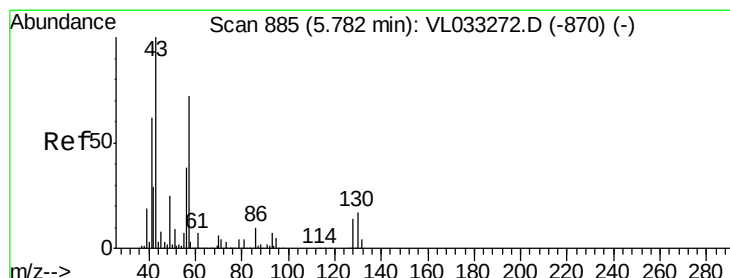
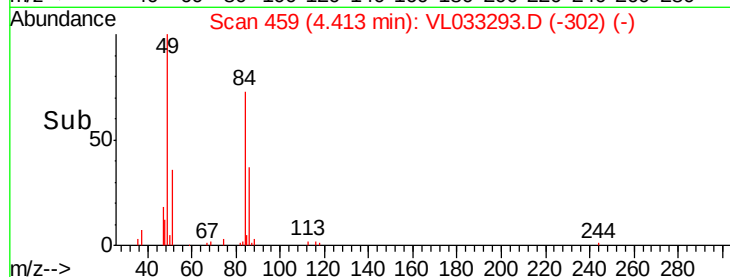
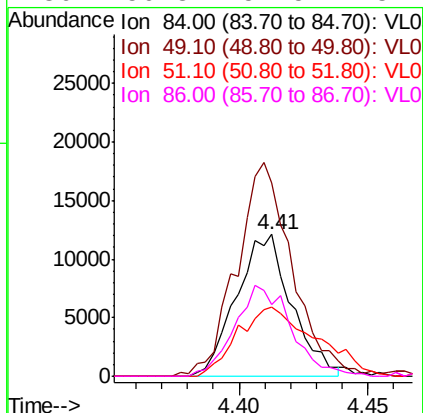
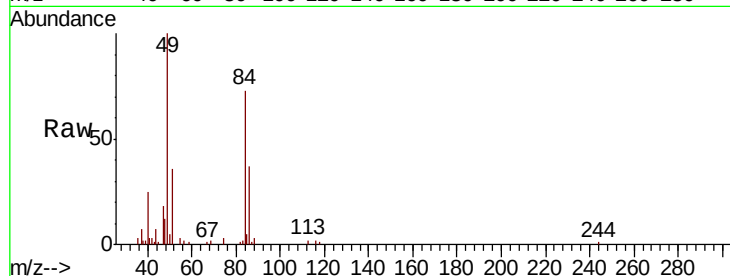
Instrument :

MSVOA_L

ClientSampleId :

ST-IA-2DL

Tgt Ion:	84	Resp:	17925
Ion	Ratio	Lower	Upper
84	100		
49	134.5	120.3	180.5
51	48.5	36.2	54.4
86	50.3	52.5	78.7#



#26

Hexane

Concen: 0.188 ppbv

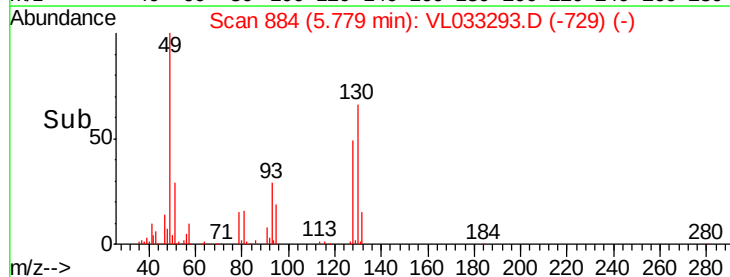
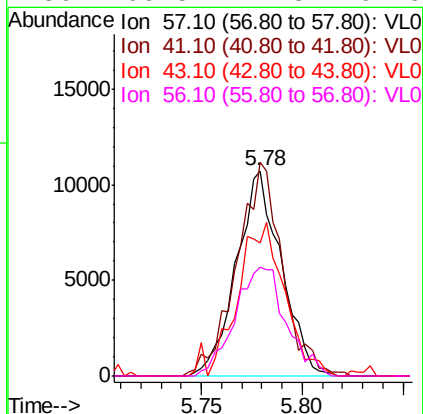
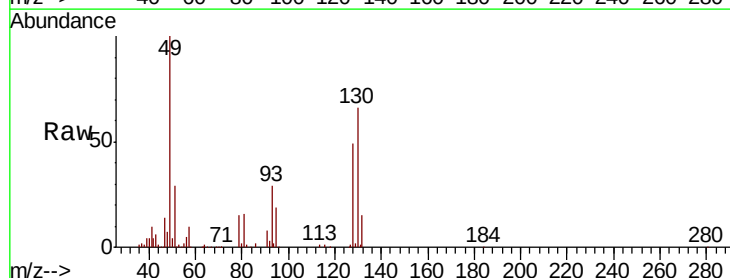
RT: 5.78 min Scan# 884

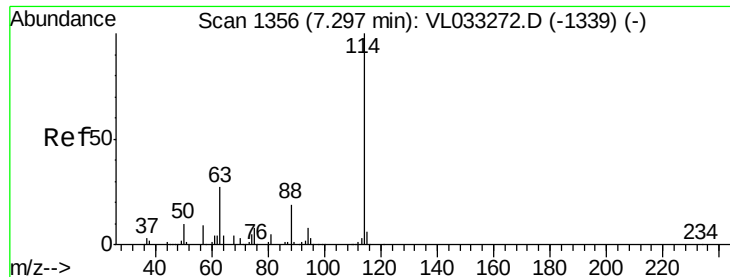
Delta R.T. -0.00 min

Lab File: VL033293.D

Acq: 12 Mar 2019 21:38

Tgt Ion:	57	Resp:	16637
Ion	Ratio	Lower	Upper
57	100		
41	105.9	70.7	106.1
43	81.1	178.6	267.8#
56	60.5	41.3	61.9

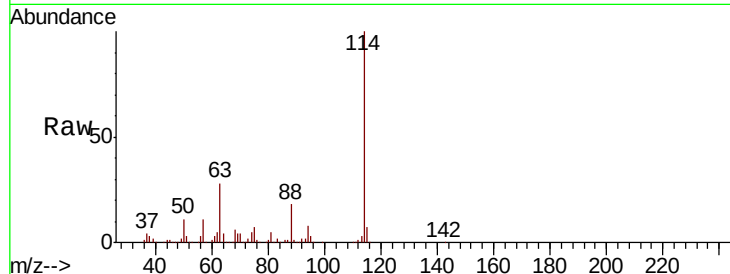




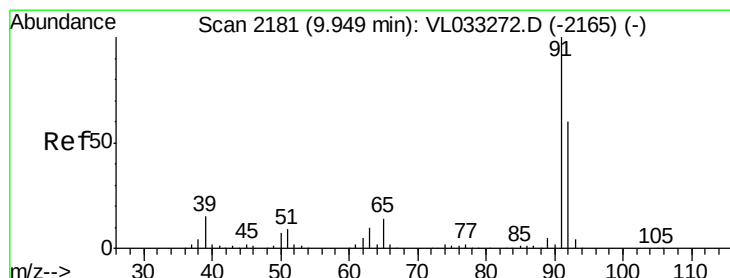
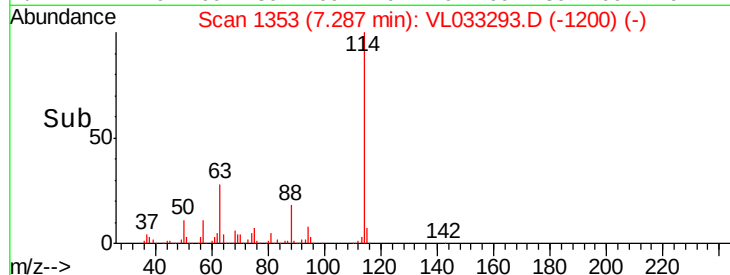
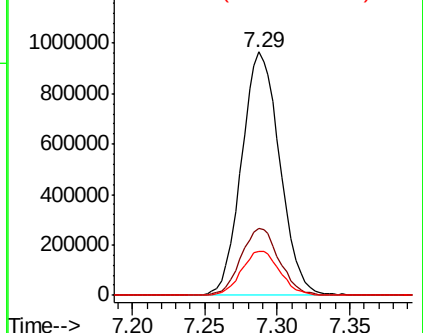
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033293.D
 Acq: 12 Mar 2019 21:38

Instrument :
 MSVOA_L
 ClientSampleId :
 ST-IA-2DL

Tgt Ion:114 Resp: 1766971
 Ion Ratio Lower Upper
 114 100
 63 27.6 21.5 32.3
 88 18.3 14.6 22.0

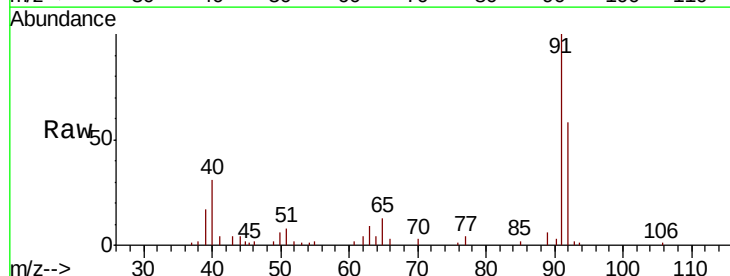


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

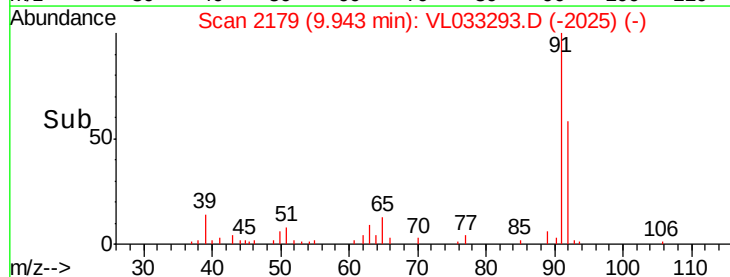
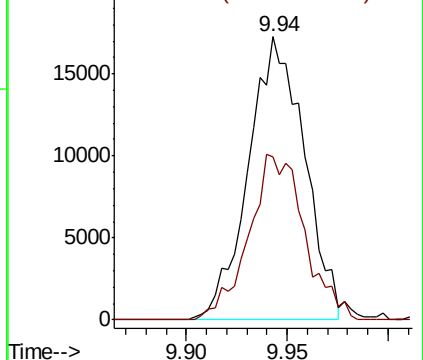


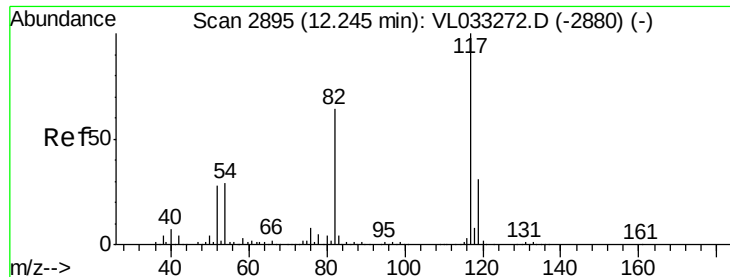
#53
 Toluene
 Concen: 0.177 ppbv
 RT: 9.94 min Scan# 2179
 Delta R.T. -0.01 min
 Lab File: VL033293.D
 Acq: 12 Mar 2019 21:38

Tgt Ion: 91 Resp: 33273
 Ion Ratio Lower Upper
 91 100
 92 58.5 47.8 71.8



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0

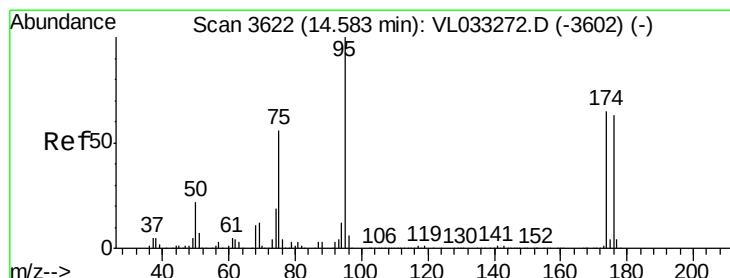
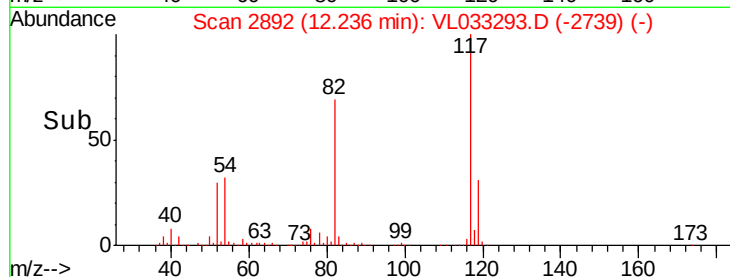
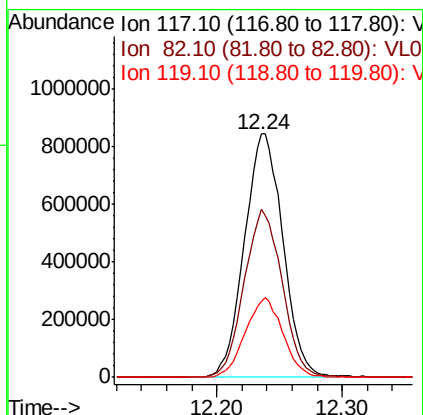
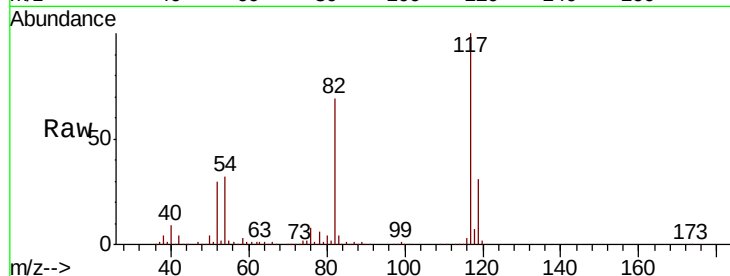




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033293.D
Acq: 12 Mar 2019 21:38

Instrument :
MSVOA_L
ClientSampleId :
ST-IA-2DL

Tgt Ion: 117 Resp: 1807686
Ion Ratio Lower Upper
117 100
82 68.3 51.1 76.7
119 32.0 43.6 65.4#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.375 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.01 min
Lab File: VL033293.D
Acq: 12 Mar 2019 21:38

Tgt Ion: 95 Resp: 1448306
Ion Ratio Lower Upper
95 100
174 63.2 51.7 77.5
175 4.6 3.7 5.5

