

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL012819\
 Data File : VL033124.D
 Acq On : 29 Jan 2019 1:51
 Operator : SY/AP
 Sample : VL0128ABL01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0128ABL01

Quant Time: Jan 29 06:41:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012819AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jan 29 06:21:00 2019
 QLast Update : Tue Jan 29 06:21:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1140272	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2926150	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2576404	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1906123	9.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.80%

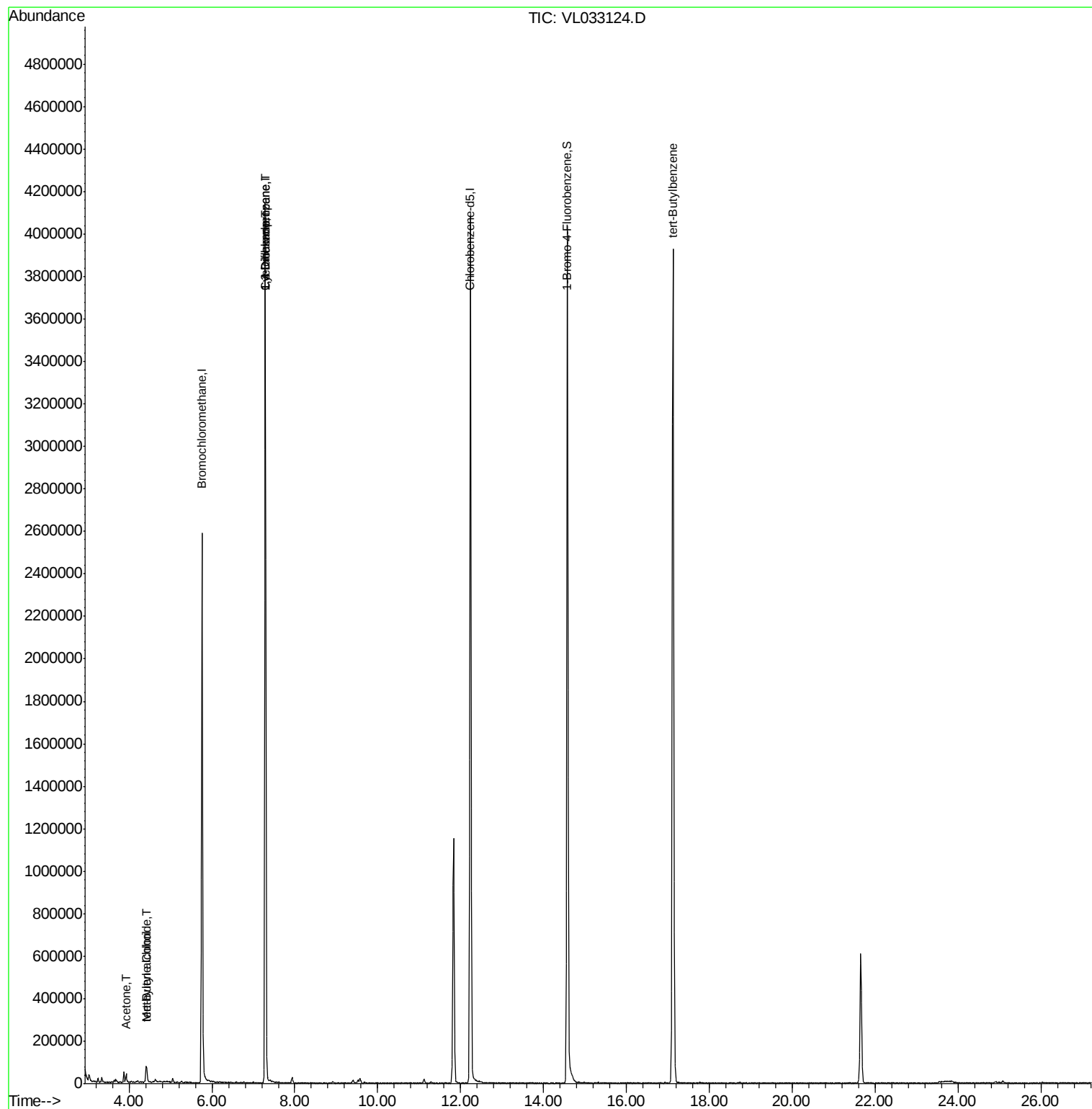
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acetone	3.93	43	35221	0.229	ppbv #	87
17) tert-Butyl alcohol	4.40	59	3736	0.109	ppbv #	58
20) Methylene Chloride	4.41	84	20117	0.288	ppbv #	83
30) Cyclohexane	7.27	84	4057	0.041	ppbv #	1
39) 1,2-Dichloropropane	7.29	63	707391	7.779	ppbv #	25
65) tert-Butylbenzene	17.10	119	21556	0.062	ppbv #	19

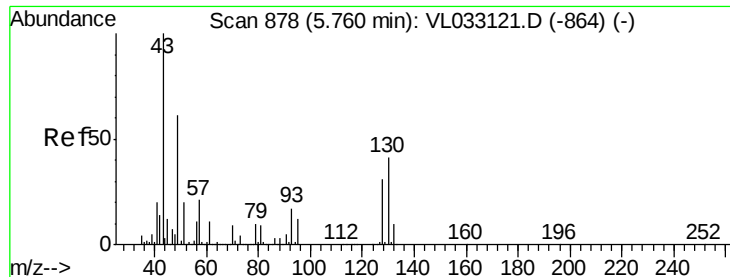
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL012819\
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

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MSVOA_L

ClientSampleId :

VL0128ABL01

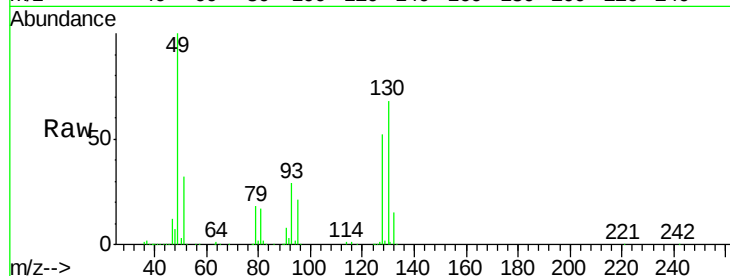
Tgt Ion: 49 Resp: 1140272

Ion Ratio Lower Upper

49 100

128 53.6 25.9 77.7

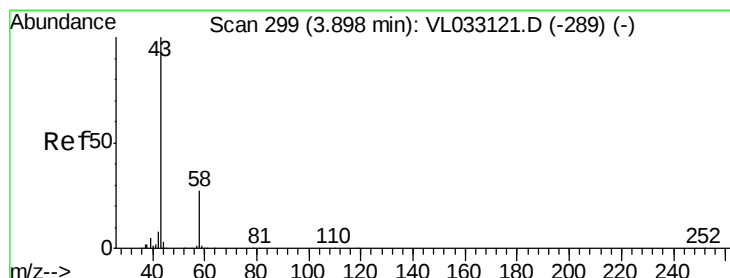
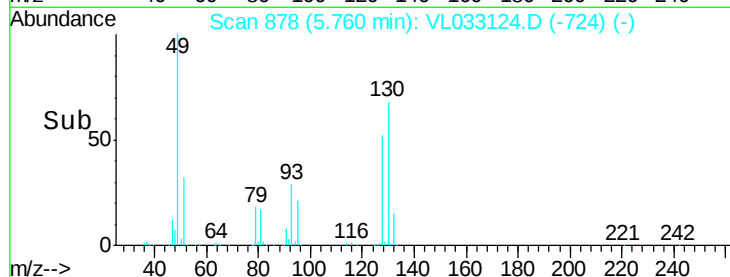
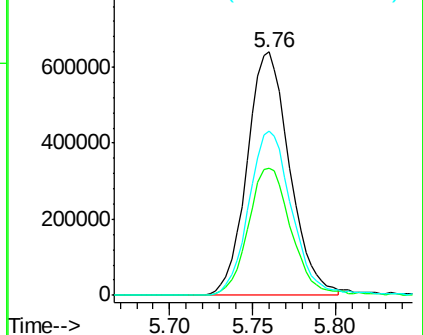
130 69.6 32.9 98.7



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: 0.229 ppbv

RT: 3.93 min Scan# 309

Delta R.T. 0.03 min

Lab File: VL033124.D

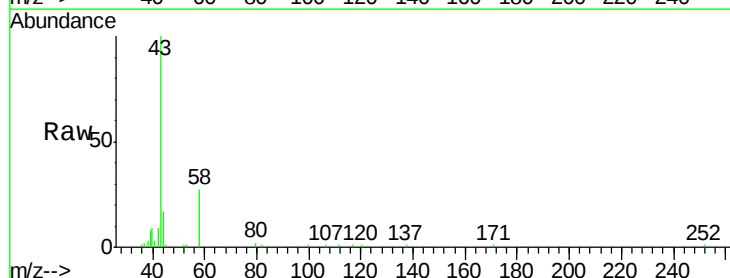
Acq: 29 Jan 2019 1:51

Tgt Ion: 43 Resp: 35221

Ion Ratio Lower Upper

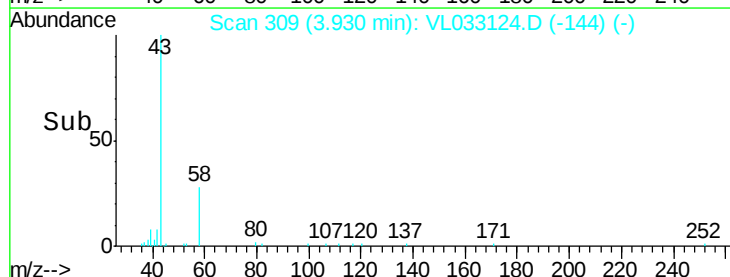
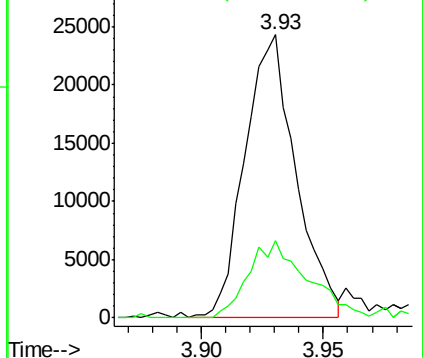
43 100

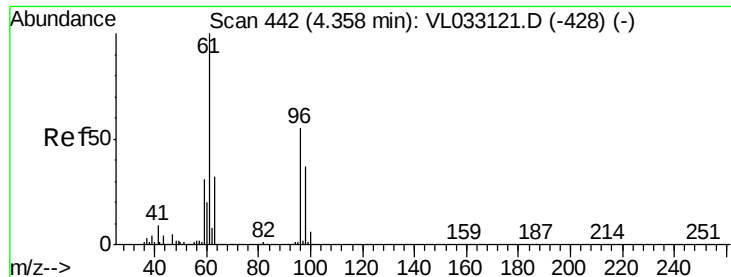
58 33.0 21.1 31.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



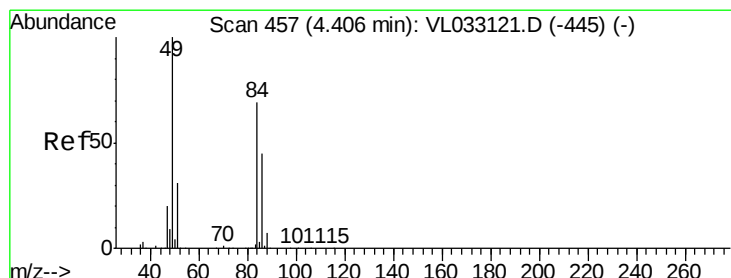
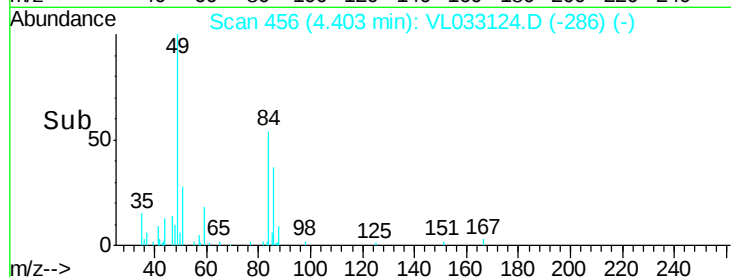
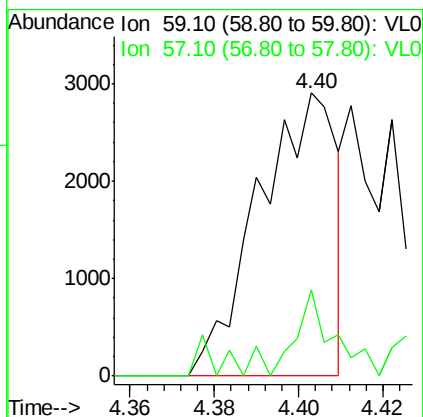
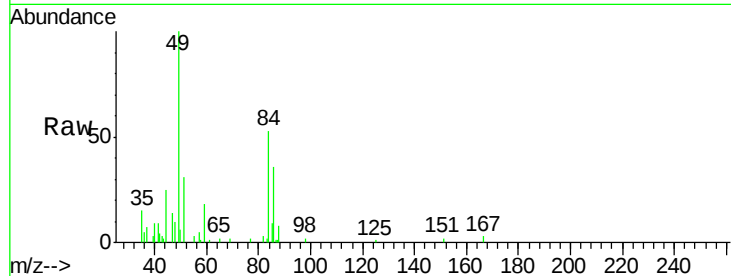


#17

tert-Butyl alcohol
Concen: 0.109 ppbv
RT: 4.40 min Scan# 456
Delta R.T. 0.05 min
Lab File: VL033124.D
Acq: 29 Jan 2019 1:51

Instrument :
MSVOA_L
ClientSampleId :
VL0128ABL01

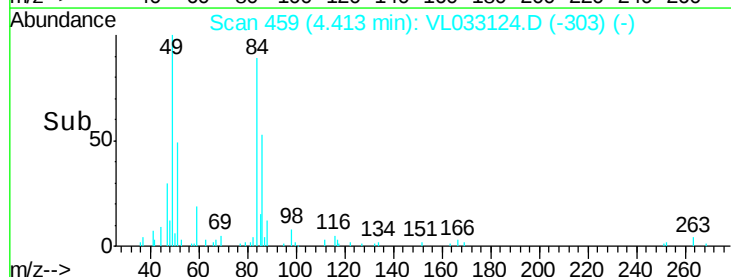
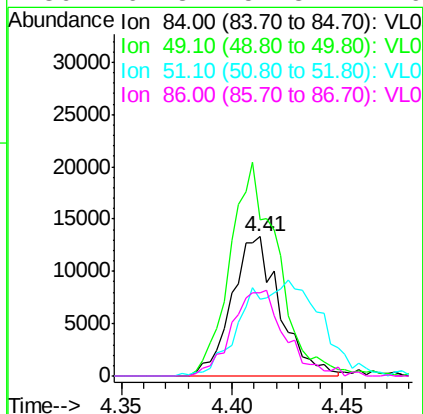
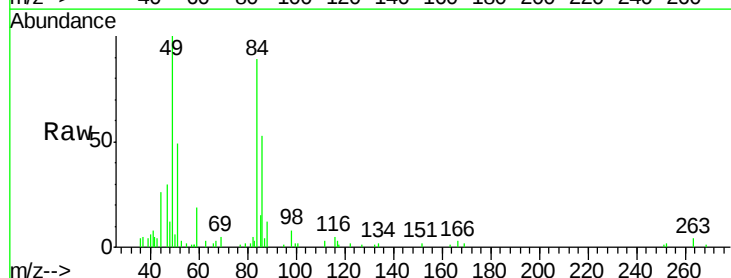
Tgt Ion: 59 Resp: 3736
Ion Ratio Lower Upper
59 100
57 24.4 7.4 11.2#

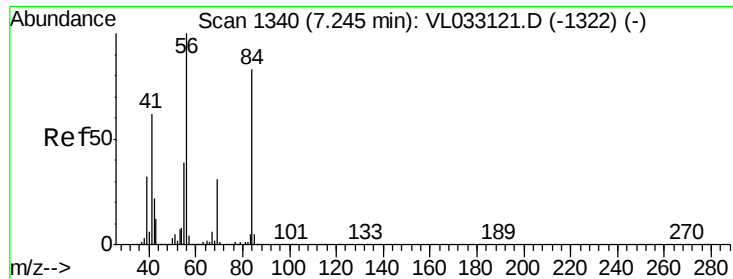


#20

Methylene Chloride
Concen: 0.288 ppbv
RT: 4.41 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL033124.D
Acq: 29 Jan 2019 1:51

Tgt Ion: 84 Resp: 20117
Ion Ratio Lower Upper
84 100
49 112.7 113.8 170.6#
51 54.4 34.5 51.7#
86 64.3 51.8 77.6

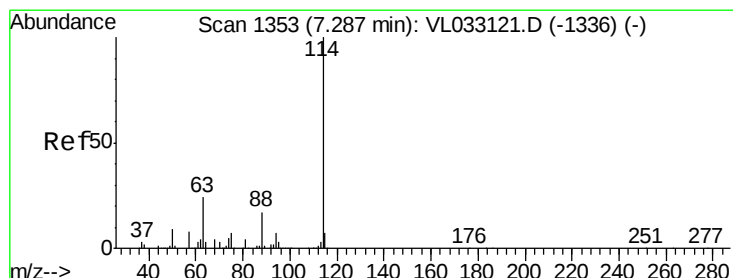
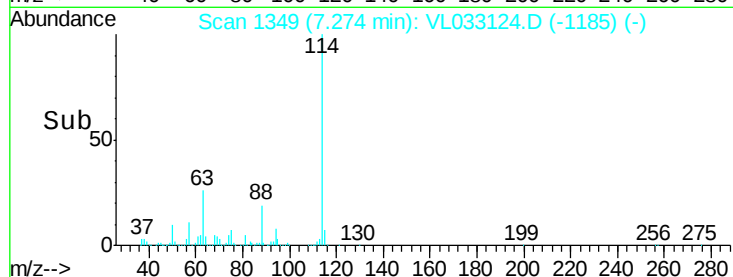
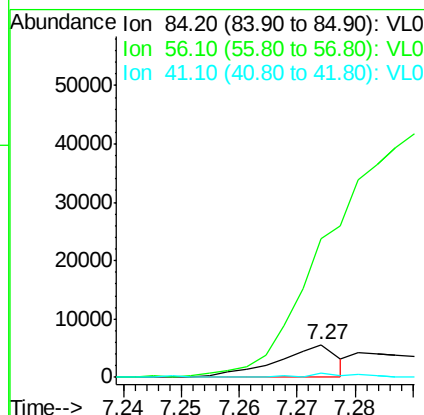
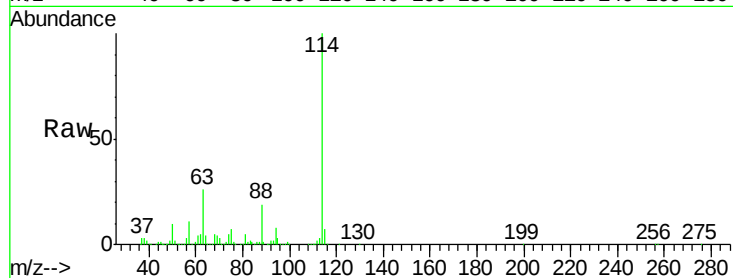




#30
Cyclohexane
Concen: 0.041 ppbv
RT: 7.27 min Scan# 1349
Delta R.T. 0.03 min
Lab File: VL033124.D
Acq: 29 Jan 2019 1:51

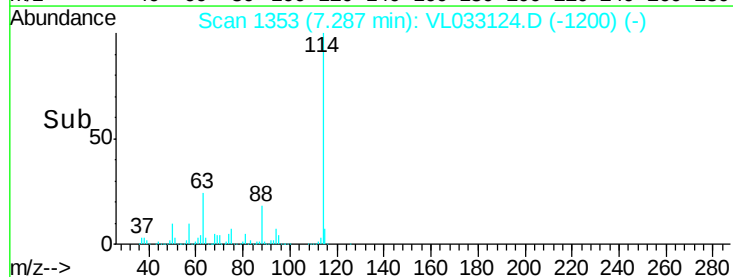
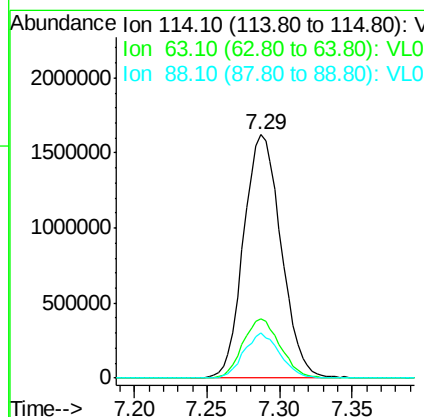
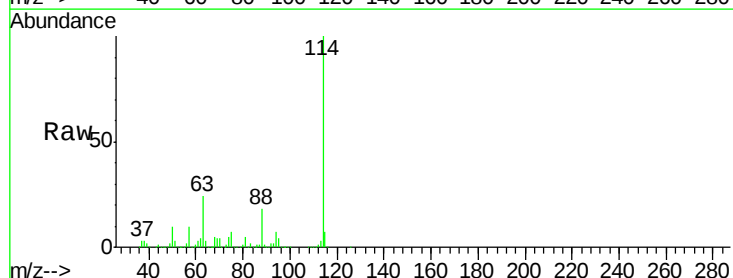
Instrument :
MSVOA_L
ClientSampleId :
VL0128ABL01

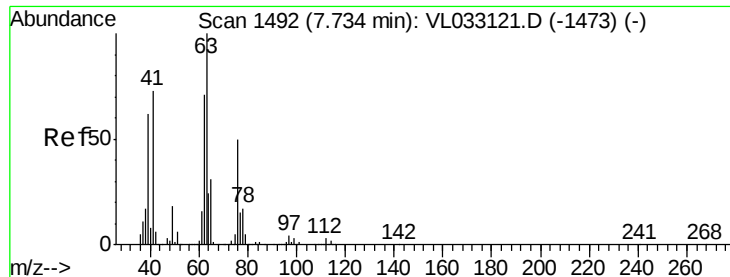
Tgt Ion: 84 Resp: 4057
Ion Ratio Lower Upper
84 100
56 0.0 102.4 153.6#
41 9.3 62.7 94.1#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033124.D
Acq: 29 Jan 2019 1:51

Tgt Ion: 114 Resp: 2926150
Ion Ratio Lower Upper
114 100
63 24.4 19.8 29.8
88 17.8 14.2 21.2

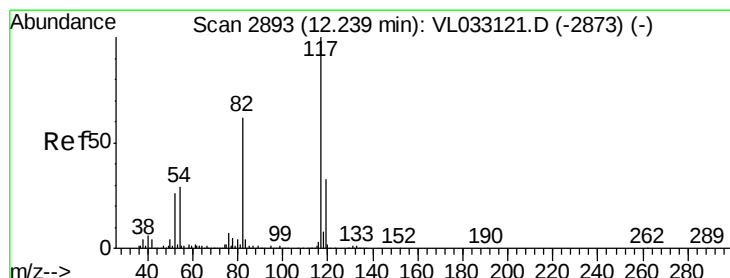
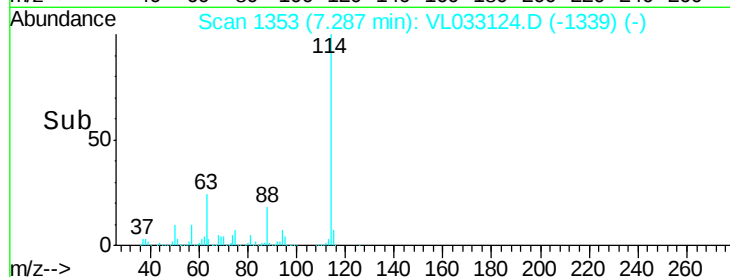
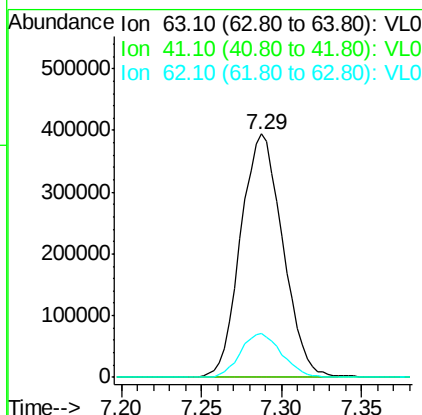
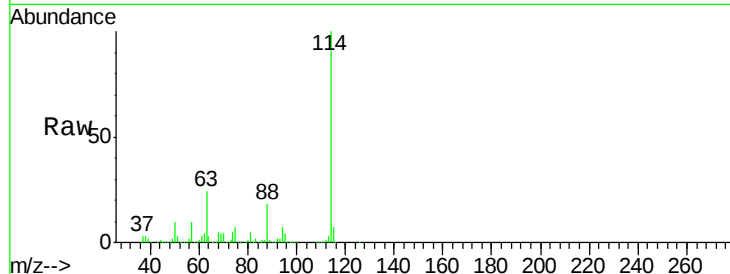




#39
 1,2-Dichloropropane
 Concen: 7.779 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.45 min
 Lab File: VL033124.D
 Acq: 29 Jan 2019 1:51

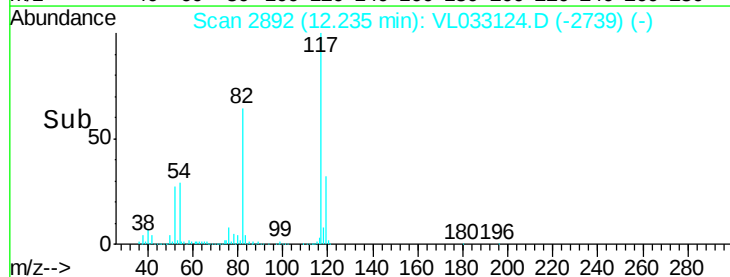
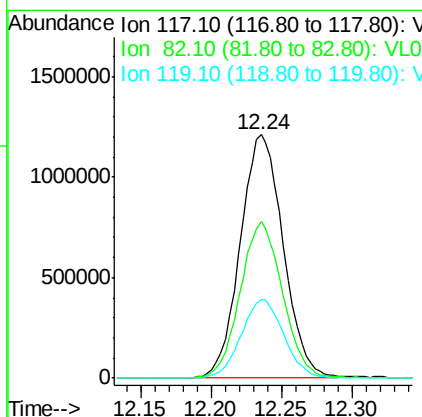
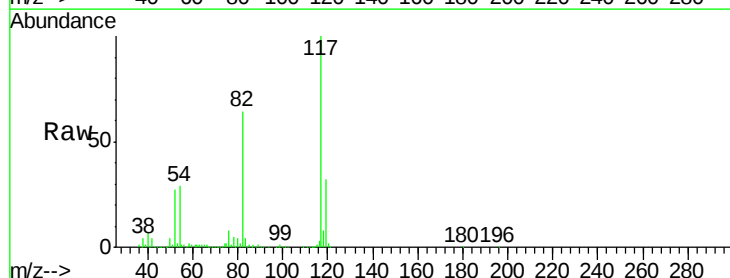
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0128ABL01

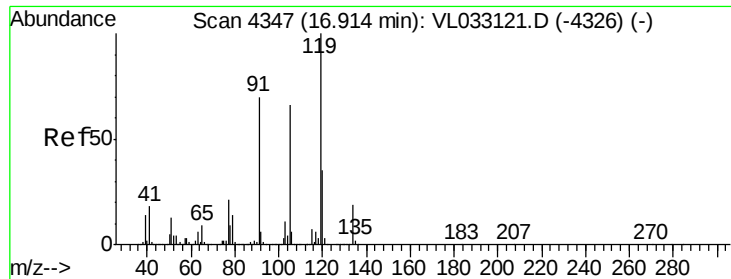
Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	57.8	86.8#
62	18.2	54.6	82.0#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.24 min Scan# 2892
 Delta R.T. -0.01 min
 Lab File: VL033124.D
 Acq: 29 Jan 2019 1:51

Tgt Ion	Ratio	Lower	Upper
117	100		
82	63.9	48.3	72.5
119	32.5	25.9	38.9

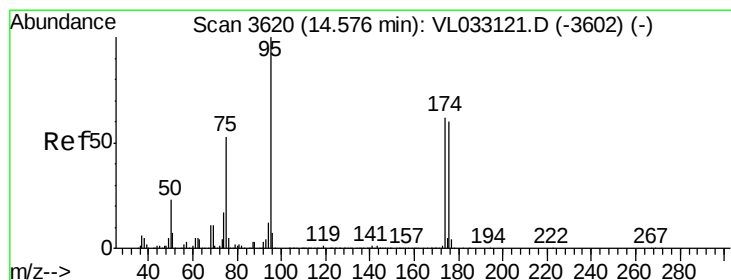
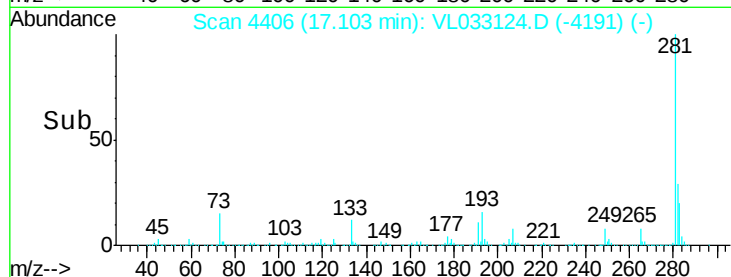
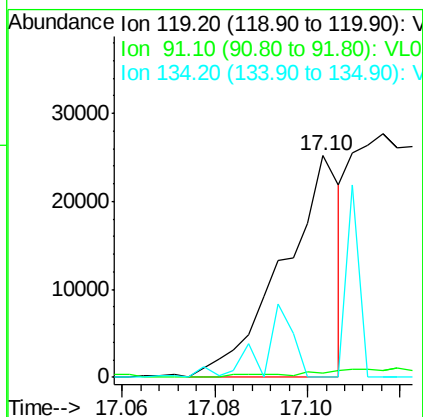
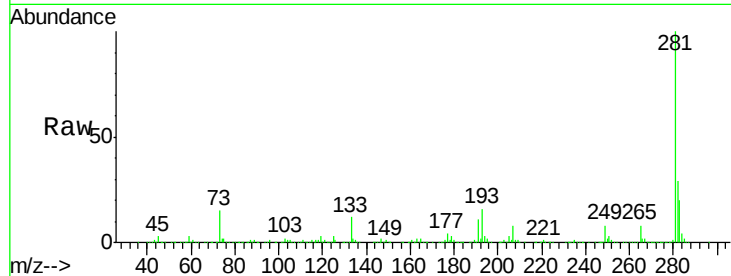




#65
 tert-Butylbenzene
 Concen: 0.062 ppbv
 RT: 17.10 min Scan# 4406
 Delta R.T. 0.19 min
 Lab File: VL033124.D
 Acq: 29 Jan 2019 1:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0128ABL01

Tgt Ion: 119 Resp: 21556
 Ion Ratio Lower Upper
 119 100
 91 0.7 64.5 96.7#
 134 0.0 15.7 23.5#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.780 ppbv
 RT: 14.57 min Scan# 3619
 Delta R.T. -0.00 min
 Lab File: VL033124.D
 Acq: 29 Jan 2019 1:51

Tgt Ion: 95 Resp: 1906123
 Ion Ratio Lower Upper
 95 100
 174 66.2 51.4 77.2
 175 4.8 4.0 6.0

