

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071719\
 Data File : VL034040.D
 Acq On : 17 Jul 2019 20:33
 Operator : SY/AP
 Sample : K3804-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1DL

Quant Time: Jul 18 12:49:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 02 19:31:31 2019
 QLast Update : Tue Jul 02 19:31:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.72	49	1090784	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.25	114	2879239	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.19	117	2786841	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.53	95	2194860	9.23	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.30%

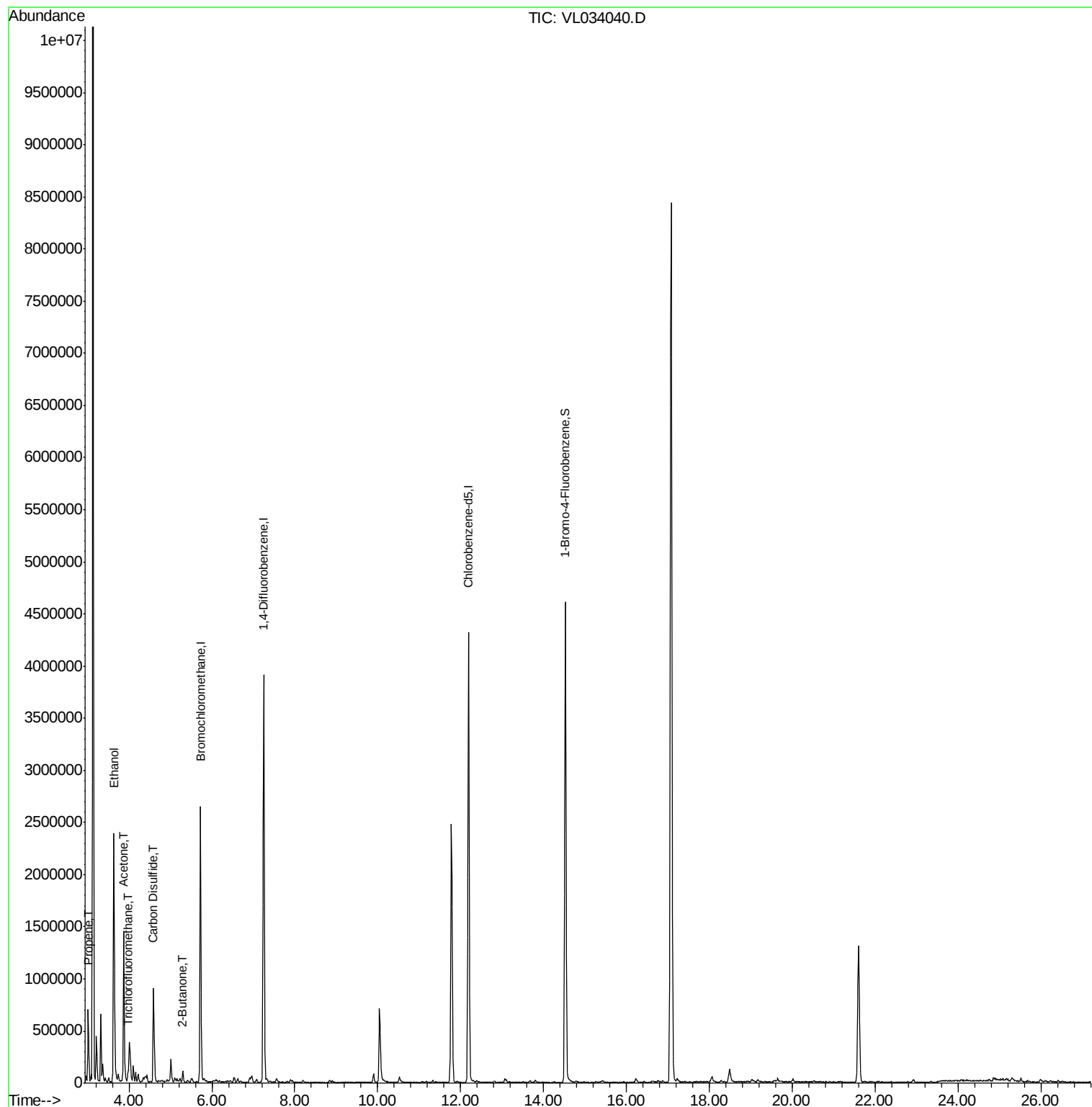
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	266545	5.379	ppbv	93
11) Trichlorofluoromethane	3.98	101	61751	0.244	ppbv	91
13) Ethanol	3.63	45	2701488	175.496	ppbv	94
15) Acetone	3.87	43	1436409	7.832	ppbv	96
27) Carbon Disulfide	4.59	76	1029773	5.277	ppbv	100
34) 2-Butanone	5.30	43	106306	0.698	ppbv	98

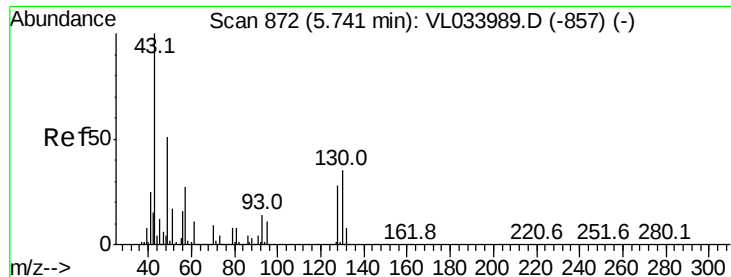
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL071719\
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QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.72 min Scan# 866

Delta R.T. -0.02 min

Lab File: VL034040.D

Acq: 17 Jul 2019 20:33

Instrument :

MSVOA_L

ClientSampleId :

SG-1DL

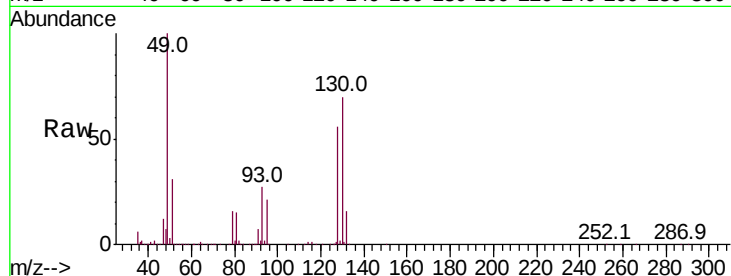
Tot Ion: 49 Resp: 1090784

Ion Ratio Lower Upper

49 100

128 54.8 27.9 83.6

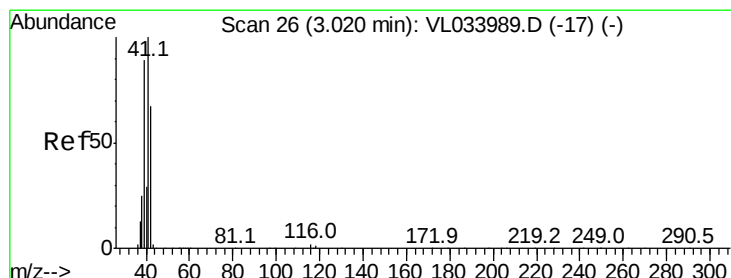
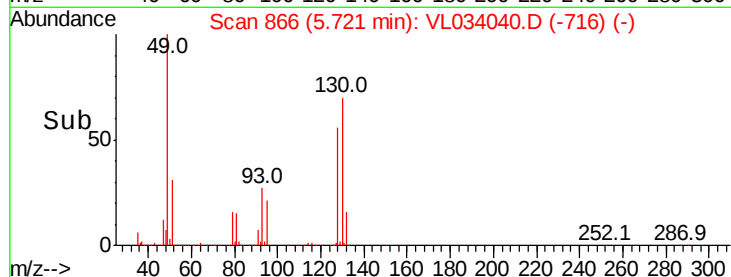
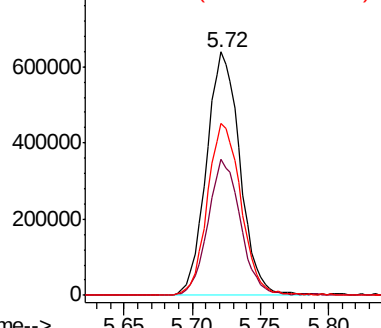
130 70.9 35.8 107.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 5.379 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.01 min

Lab File: VL034040.D

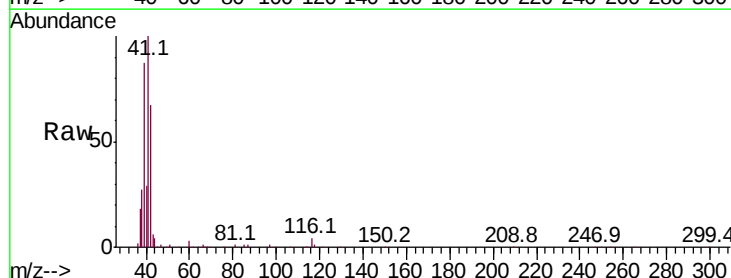
Acq: 17 Jul 2019 20:33

Tgt Ion: 41 Resp: 266545

Ion Ratio Lower Upper

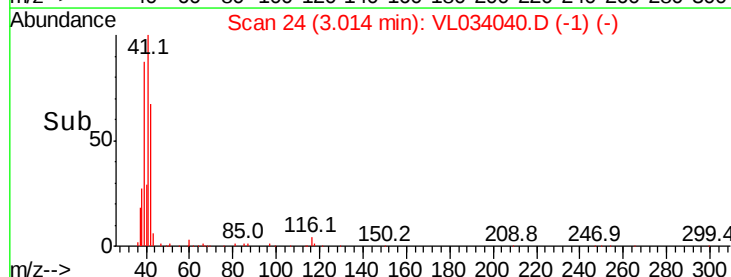
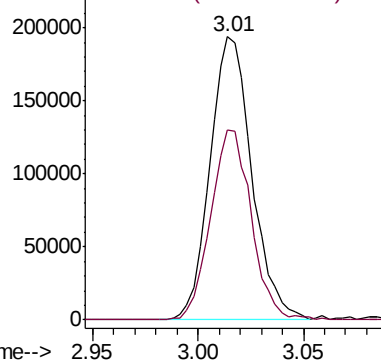
41 100

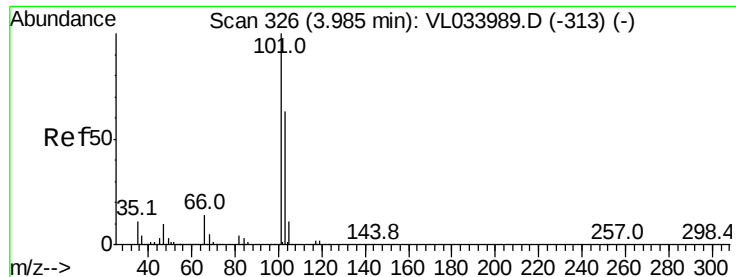
42 65.3 57.1 85.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#11

Trichlorofluoromethane

Concen: 0.244 ppbv

RT: 3.98 min Scan# 324

Delta R.T. -0.01 min

Lab File: VL034040.D

Acq: 17 Jul 2019 20:33

Instrument :

MSVOA_L

ClientSampleId :

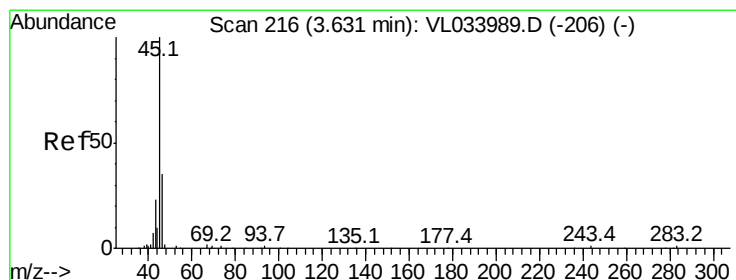
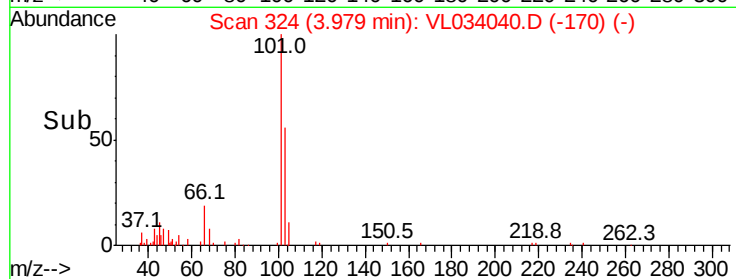
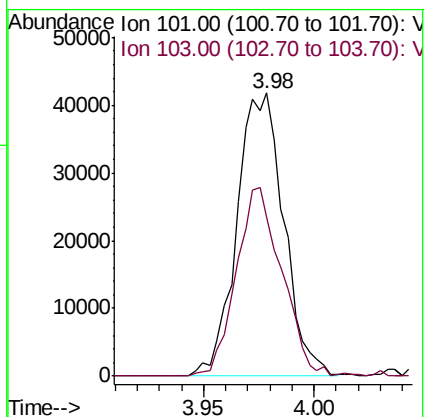
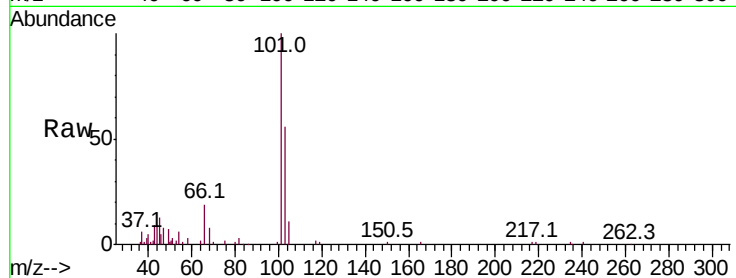
SG-1DL

Tot Ion:101 Resp: 61751

Ion Ratio Lower Upper

101 100

103 56.3 50.8 76.2



#13

Ethanol

Concen: 175.496 ppbv

RT: 3.63 min Scan# 217

Delta R.T. 0.00 min

Lab File: VL034040.D

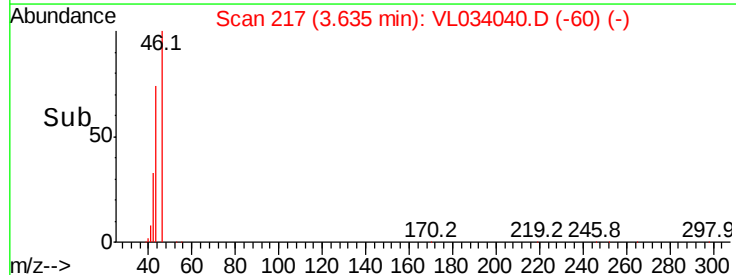
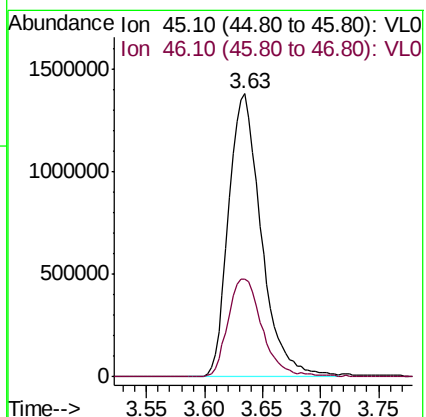
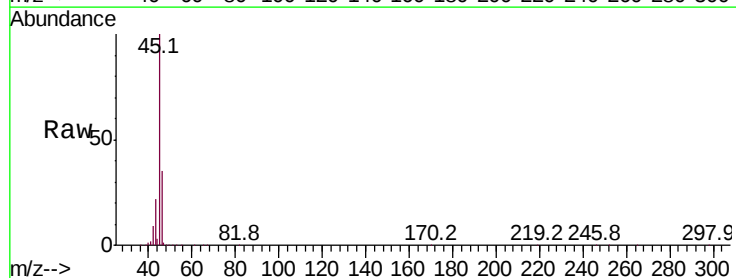
Acq: 17 Jul 2019 20:33

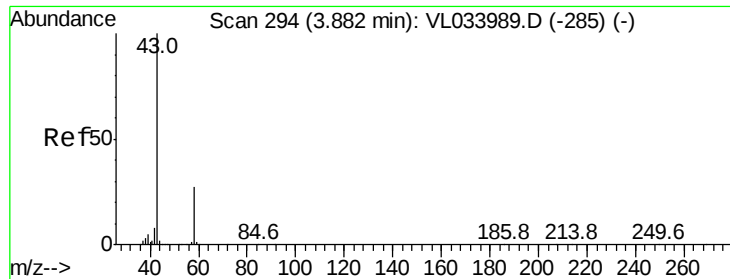
Tgt Ion: 45 Resp: 2701488

Ion Ratio Lower Upper

45 100

46 36.6 16.2 64.6





#15

Acetone

Concen: 7.832 ppbv

RT: 3.87 min Scan# 290

Delta R.T. -0.01 min

Lab File: VL034040.D

Acq: 17 Jul 2019 20:33

Instrument :

MSVOA_L

ClientSampleId :

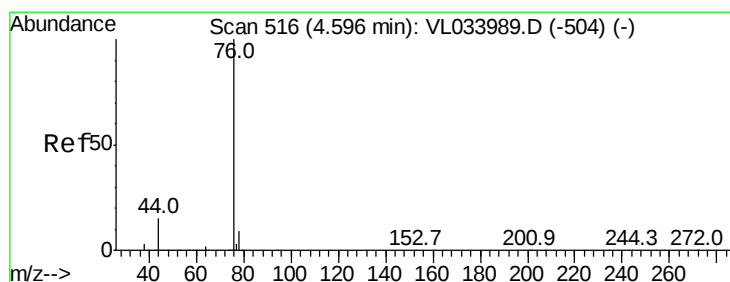
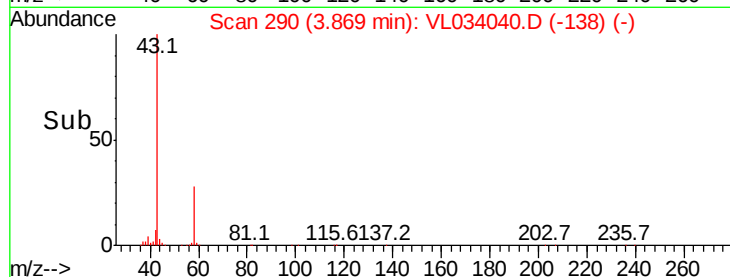
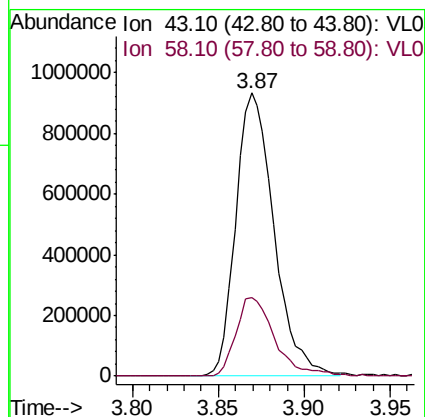
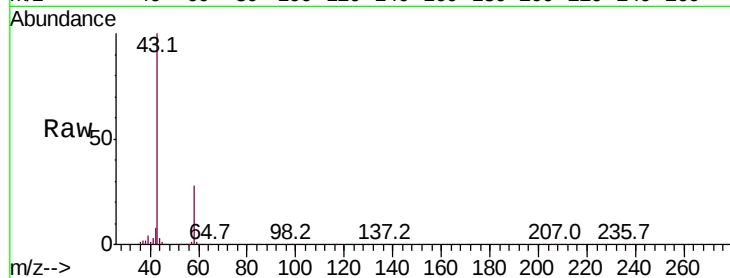
SG-1DL

Tot Ion: 43 Resp: 1436409

Ion Ratio Lower Upper

43 100

58 28.6 21.4 32.0



#27

Carbon Disulfide

Concen: 5.277 ppbv

RT: 4.59 min Scan# 513

Delta R.T. -0.01 min

Lab File: VL034040.D

Acq: 17 Jul 2019 20:33

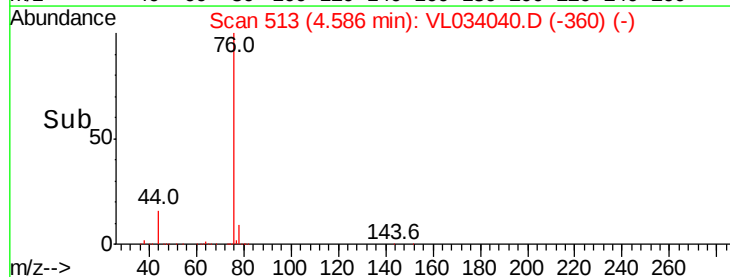
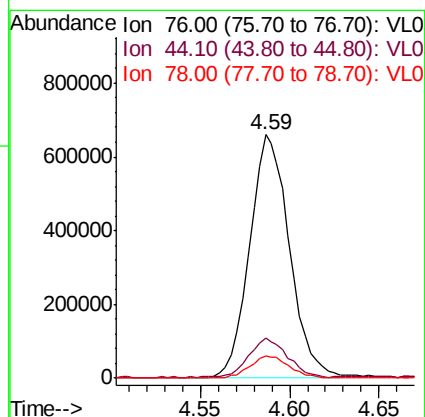
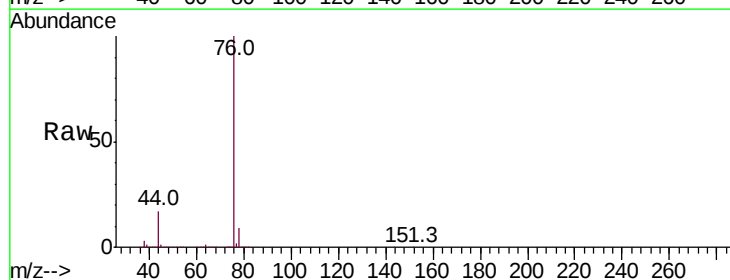
Tgt Ion: 76 Resp: 1029773

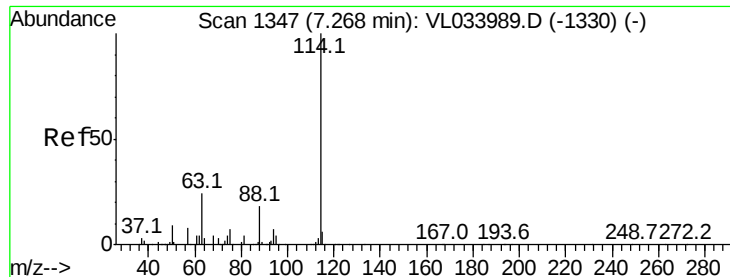
Ion Ratio Lower Upper

76 100

44 15.7 12.6 18.8

78 9.2 7.2 10.8

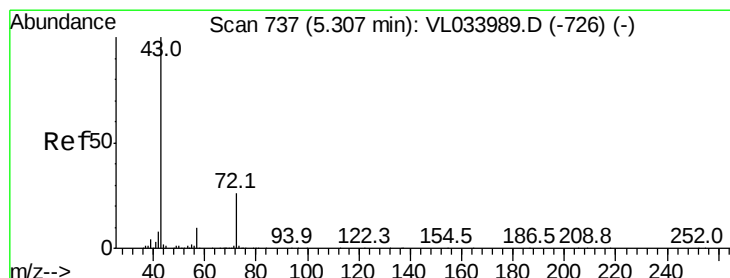
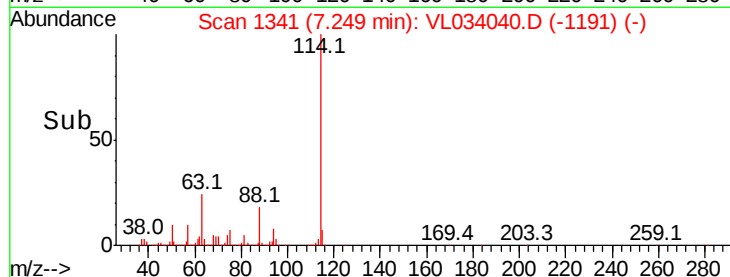
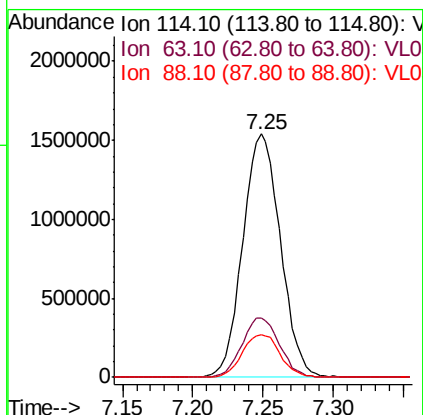
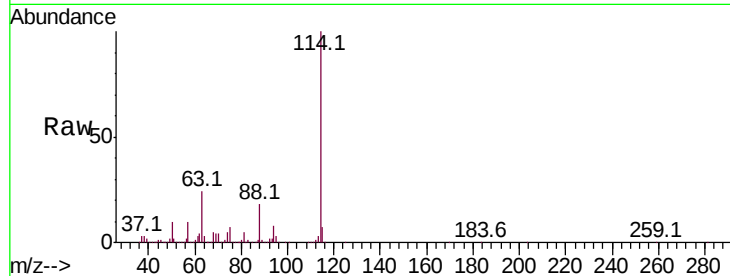




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.25 min Scan# 1341
 Delta R.T. -0.02 min
 Lab File: VL034040.D
 Acq: 17 Jul 2019 20:33

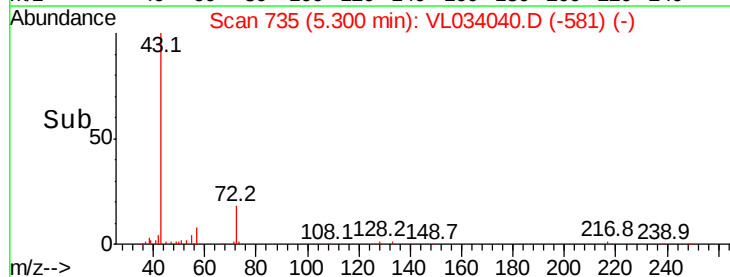
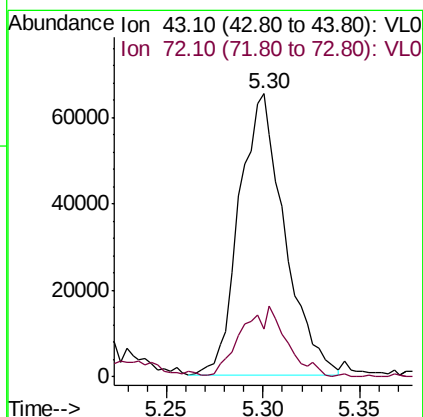
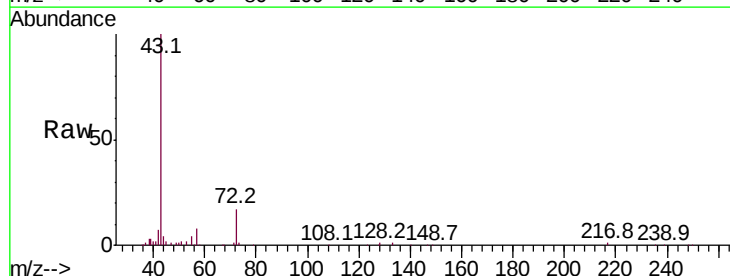
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1DL

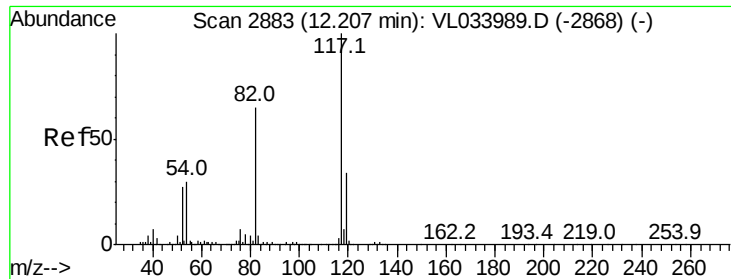
Tot Ion:114 Resp: 2879239
 Ion Ratio Lower Upper
 114 100
 63 24.4 20.2 30.2
 88 17.9 14.1 21.1



#34
 2-Butanone
 Concen: 0.698 ppbv
 RT: 5.30 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: VL034040.D
 Acq: 17 Jul 2019 20:33

Tgt Ion: 43 Resp: 106306
 Ion Ratio Lower Upper
 43 100
 72 25.7 19.9 29.9

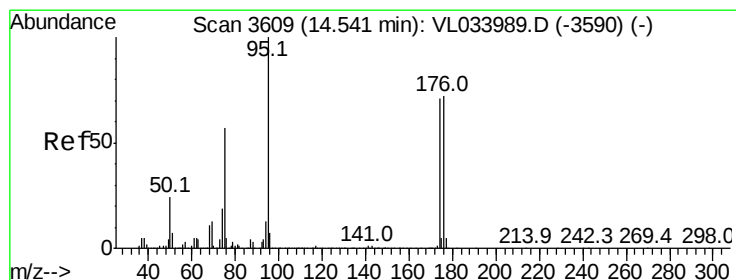
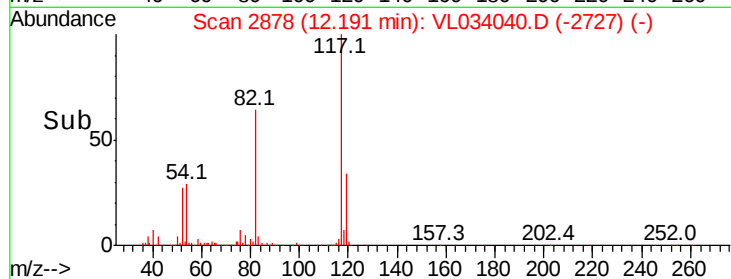
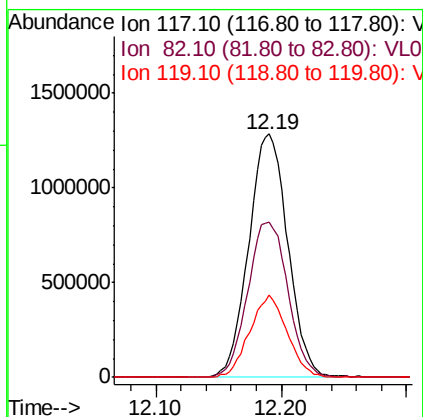
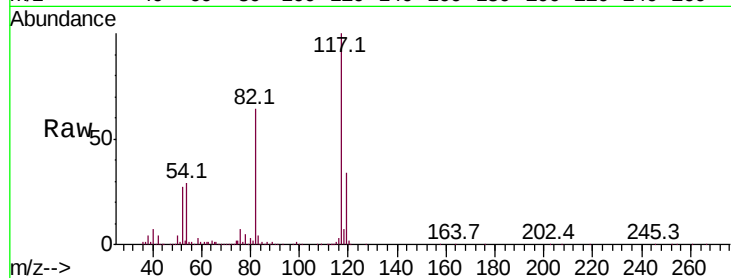




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.19 min Scan# 2878
Delta R.T. -0.02 min
Lab File: VL034040.D
Acq: 17 Jul 2019 20:33

Instrument :
MSVOA_L
ClientSampleId :
SG-1DL

Tot Ion:117 Resp: 2786841
Ion Ratio Lower Upper
117 100
82 65.7 50.8 76.2
119 32.5 24.0 36.0



#68
1-Bromo-4-Fluorobenzene
Concen: 9.234 ppbv
RT: 14.53 min Scan# 3605
Delta R.T. -0.01 min
Lab File: VL034040.D
Acq: 17 Jul 2019 20:33

Tgt Ion: 95 Resp: 2194860
Ion Ratio Lower Upper
95 100
174 71.8 60.5 90.7
175 5.1 4.0 6.0

