

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032919\
 Data File : VL033524.D
 Acq On : 30 Mar 2019 5:35
 Operator : SY/AP
 Sample : K2042-08DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-9-PRE-K-TEACHERS-ROOMDL

Quant Time: Mar 31 15:22:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	770351	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1778058	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1791354	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1351308	9.62	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.20%

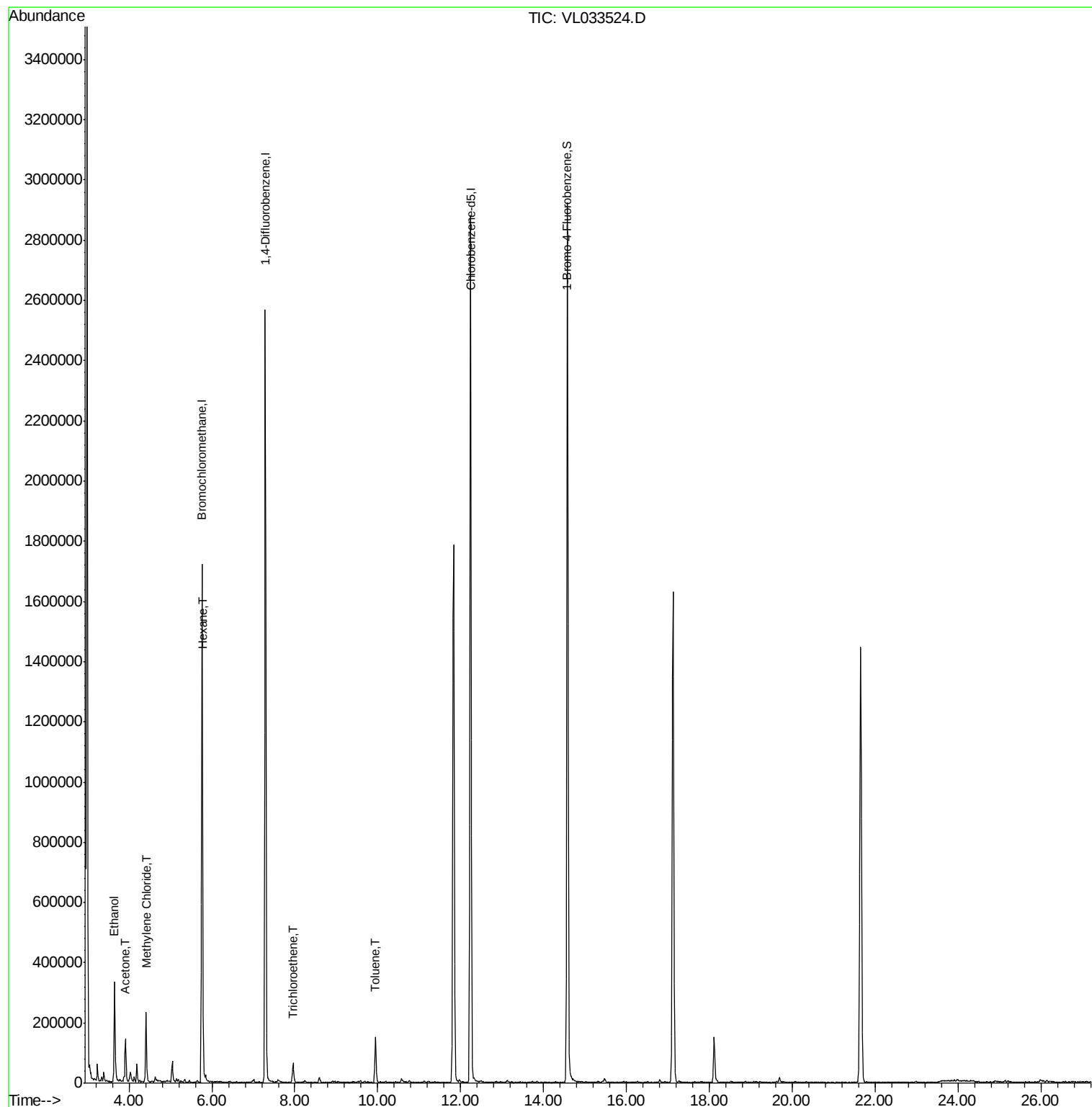
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.65	45	329585	34.197	ppbv	66
15) Acetone	3.90	43	146228	1.579	ppbv	98
20) Methylene Chloride	4.41	84	78414	1.994	ppbv	92
26) Hexane	5.78	57	42227	0.553	ppbv #	41
38) Trichloroethene	7.96	130	17508	0.312	ppbv	88
53) Toluene	9.95	91	110891	0.640	ppbv	99

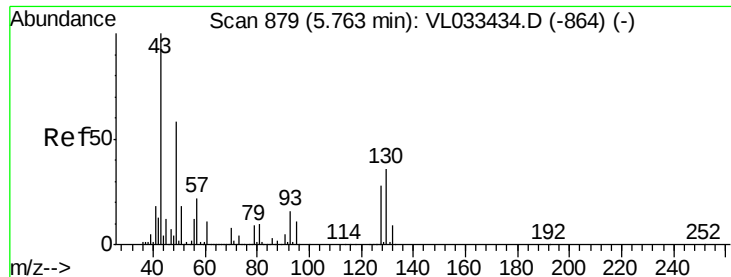
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033524.D

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ClientSampleId :

SG-9-PRE-K-TEACHERS-ROOMDL

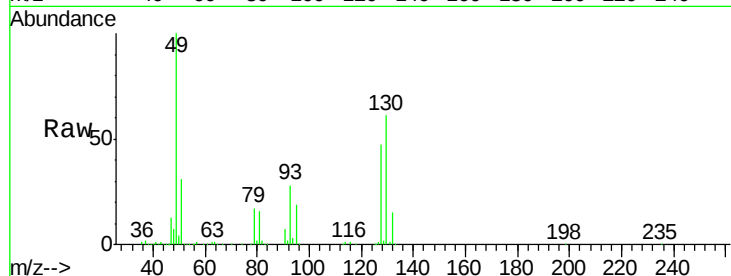
Tot Ion: 49 Resp: 770351

Ion Ratio Lower Upper

49 100

128 49.4 24.0 72.0

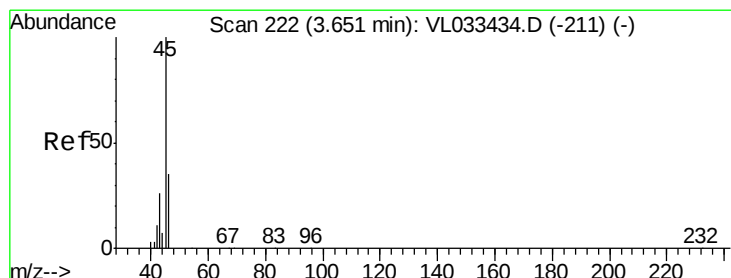
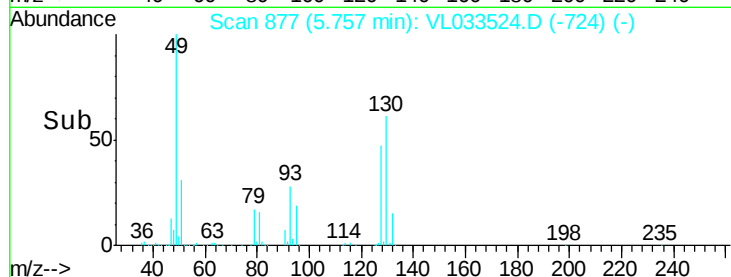
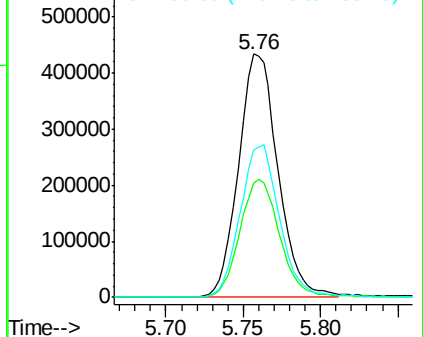
130 63.0 31.2 93.6



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



#13

Ethanol

Concen: 34.197 ppbv

RT: 3.65 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL033524.D

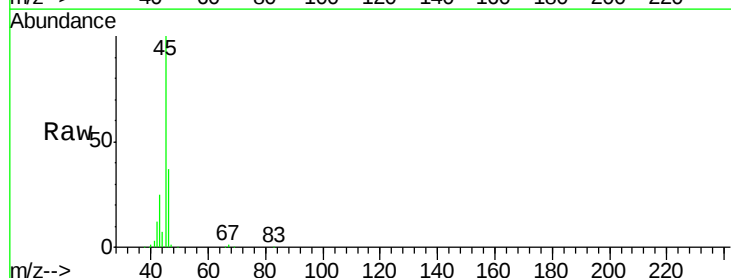
Acq: 30 Mar 2019 5:35

Tgt Ion: 45 Resp: 329585

Ion Ratio Lower Upper

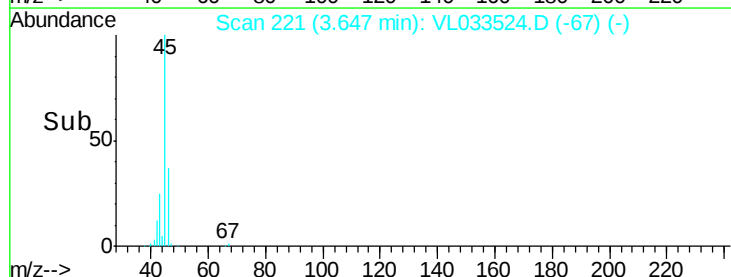
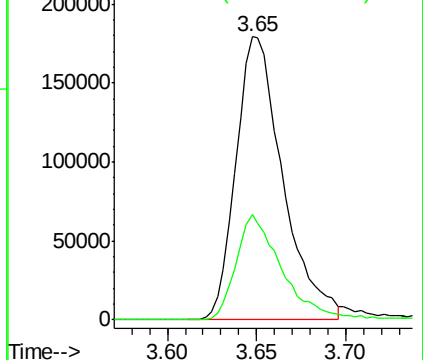
45 100

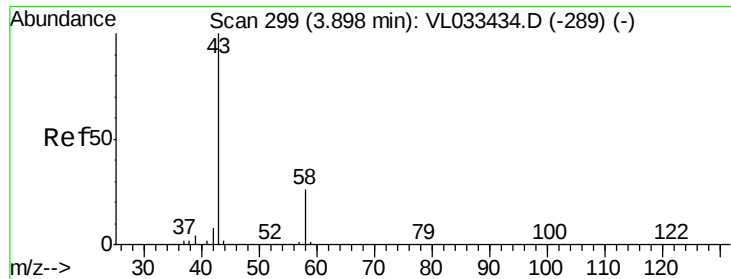
46 36.9 25.4 101.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 1.579 ppbv

RT: 3.90 min Scan# 301

Delta R.T. 0.01 min

Lab File: VL033524.D

Acq: 30 Mar 2019 5:35

Instrument :

MSVOA_L

ClientSampleId :

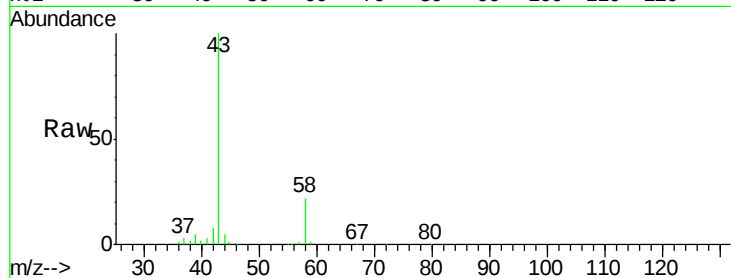
SG-9-PRE-K-TEACHERS-ROOMDL

Tot Ion: 43 Resp: 146228

Ion Ratio Lower Upper

43 100

58 24.6 20.5 30.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.90

80000

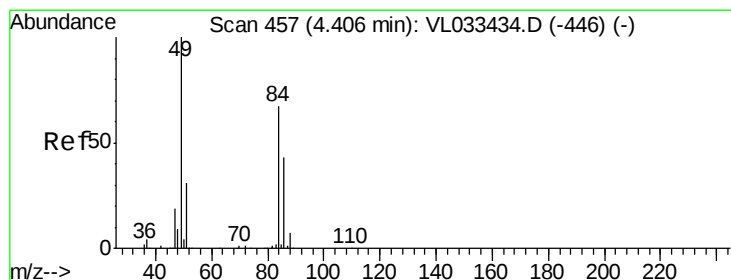
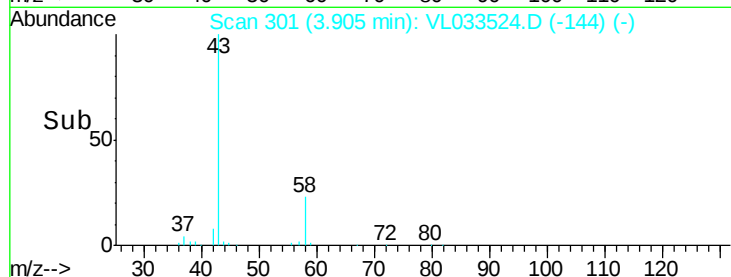
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 1.994 ppbv

RT: 4.41 min Scan# 459

Delta R.T. 0.01 min

Lab File: VL033524.D

Acq: 30 Mar 2019 5:35

Tgt Ion: 84 Resp: 78414

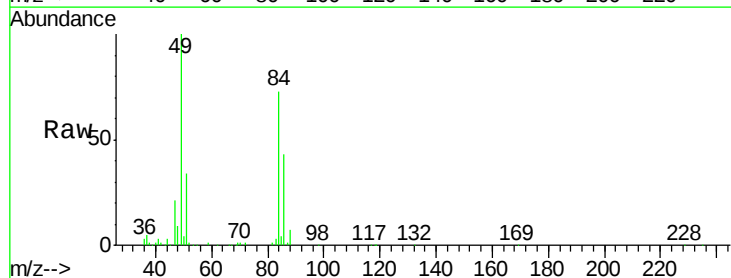
Ion Ratio Lower Upper

84 100

49 137.9 120.0 180.0

51 46.8 36.7 55.1

86 59.0 51.9 77.9



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

120000

100000

80000

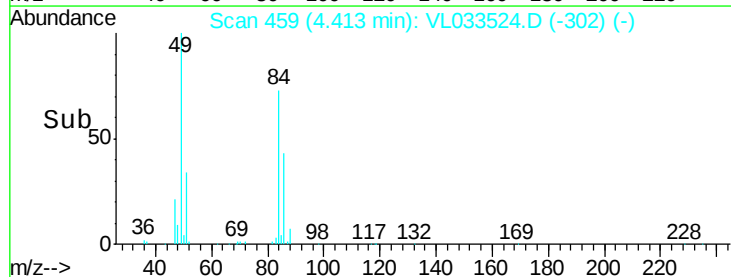
60000

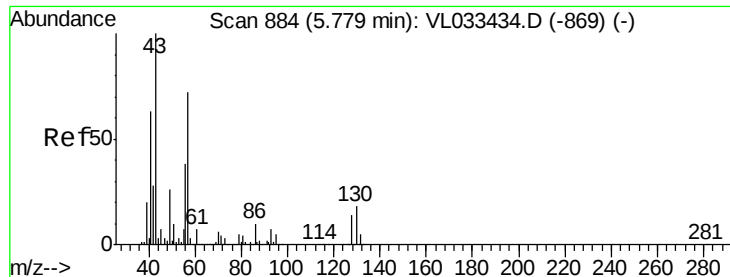
40000

20000

0

Time-->

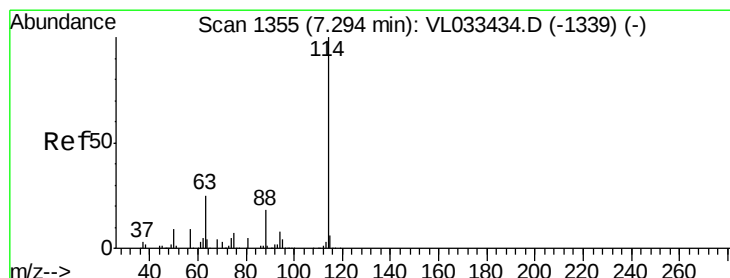
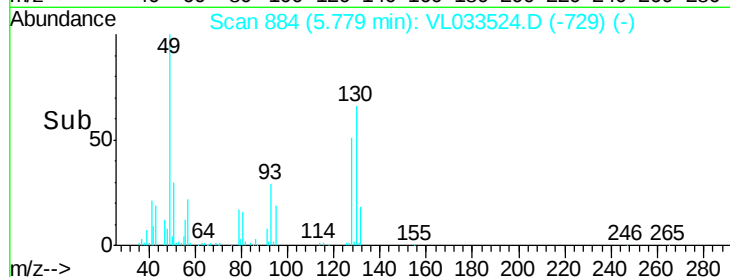
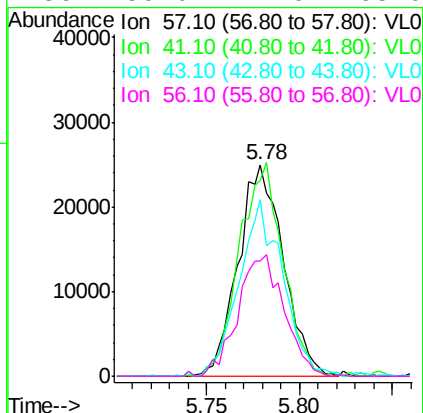
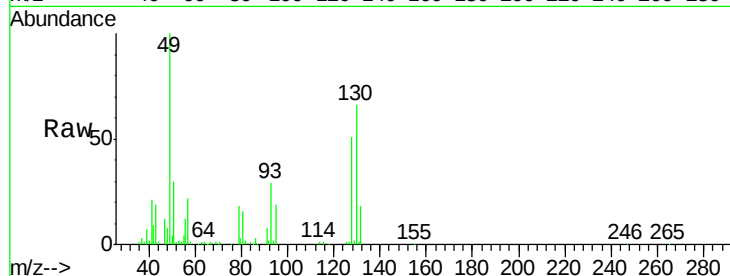




#26
Hexane
Concen: 0.553 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033524.D
Acq: 30 Mar 2019 5:35

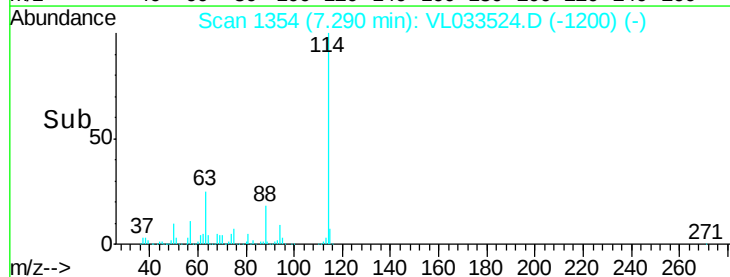
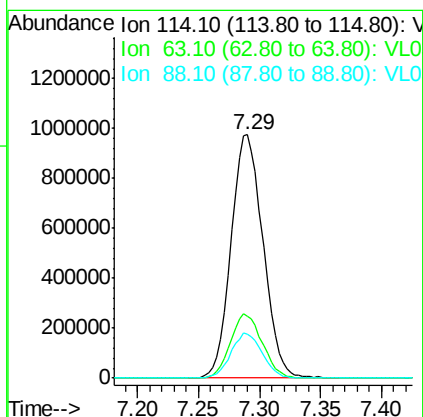
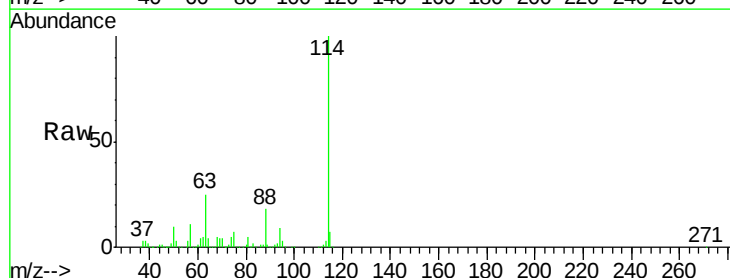
Instrument :
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SG-9-PRE-K-TEACHERS-ROOMDL

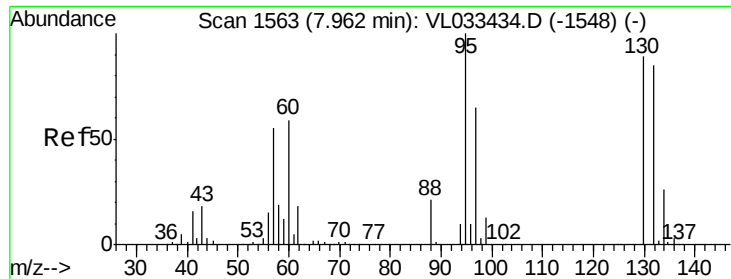
Tot Ion: 57 Resp: 42227
Ion Ratio Lower Upper
57 100
41 98.1 70.7 106.1
43 81.3 182.6 274.0#
56 59.0 42.0 63.0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.00 min
Lab File: VL033524.D
Acq: 30 Mar 2019 5:35

Tgt Ion: 114 Resp: 1778058
Ion Ratio Lower Upper
114 100
63 26.4 21.5 32.3
88 18.1 14.5 21.7

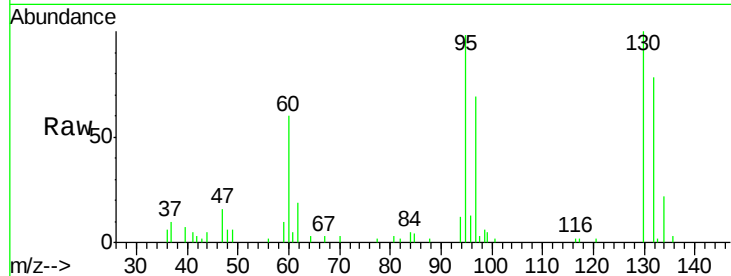




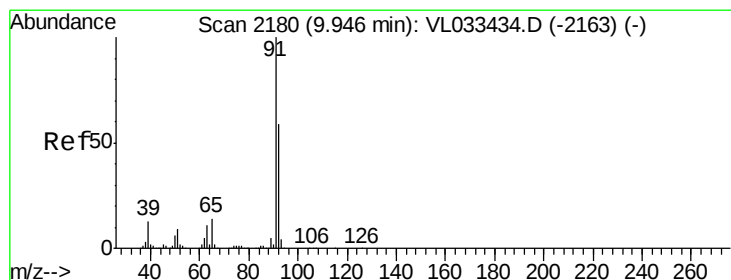
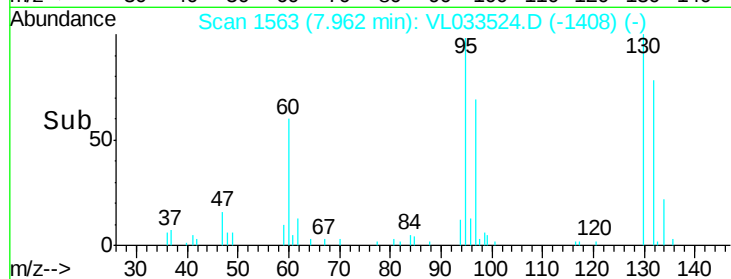
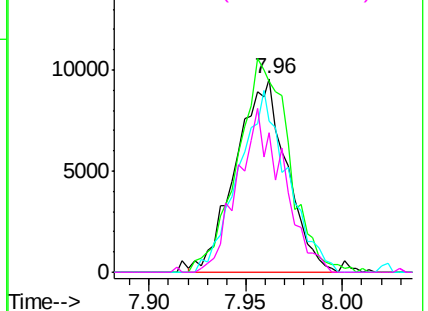
#38
 Trichloroethene
 Concen: 0.312 ppbv
 RT: 7.96 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VL033524.D
 Acq: 30 Mar 2019 5:35

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-9-PRE-K-TEACHERS-ROOMDL

Tot Ion:130 Resp: 17508
 Ion Ratio Lower Upper
 130 100
 95 98.1 89.8 134.8
 132 79.4 76.6 115.0
 97 71.7 58.6 88.0

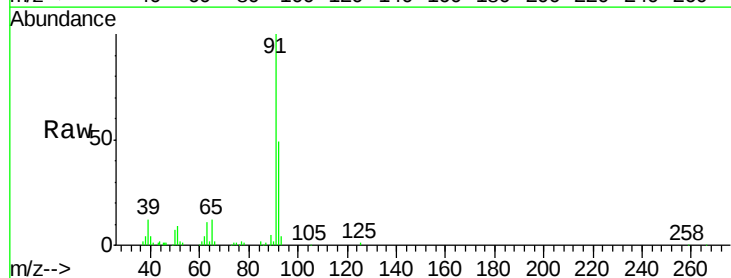


Abundance Ion 130.00 (129.70 to 130.70): V
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0

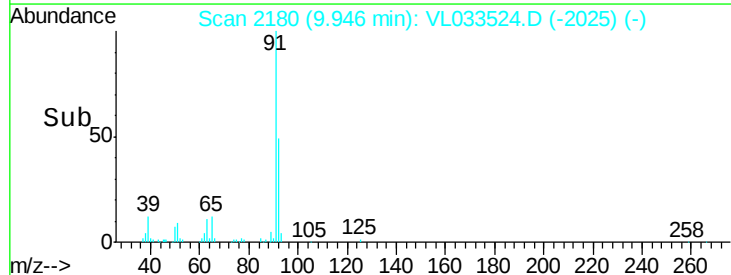
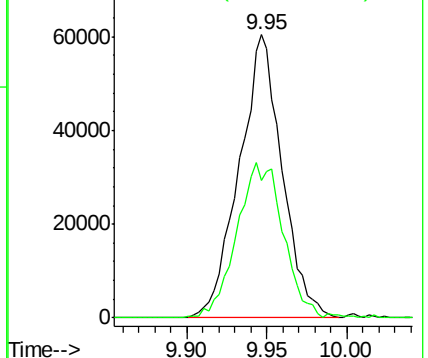


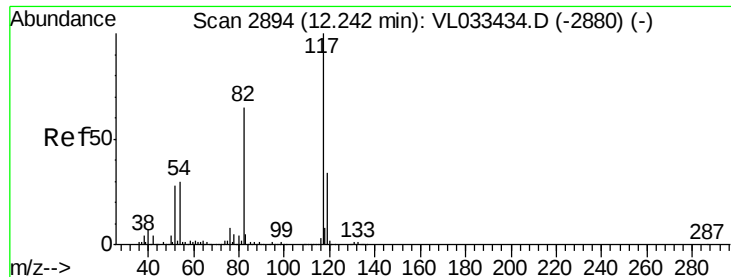
#53
 Toluene
 Concen: 0.640 ppbv
 RT: 9.95 min Scan# 2180
 Delta R.T. -0.00 min
 Lab File: VL033524.D
 Acq: 30 Mar 2019 5:35

Tgt Ion: 91 Resp: 110891
 Ion Ratio Lower Upper
 91 100
 92 59.7 47.4 71.0



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

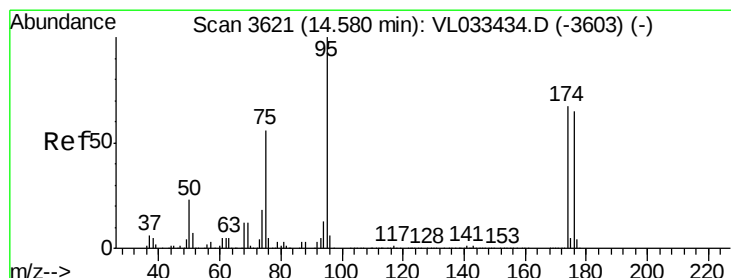
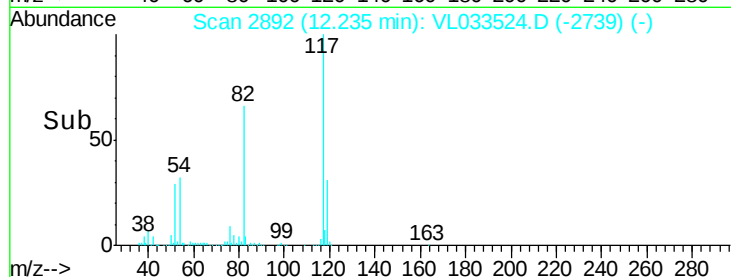
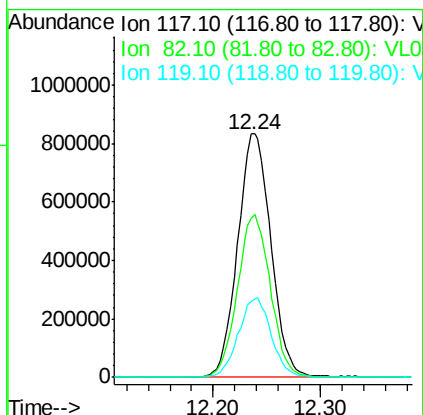
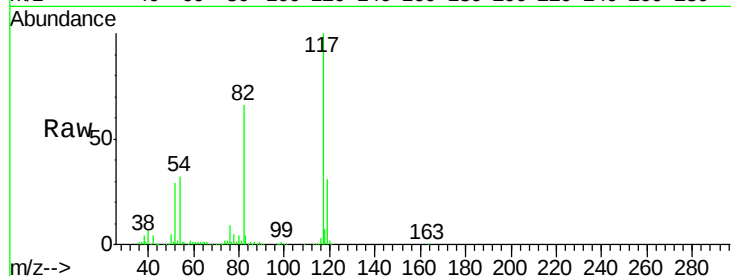




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033524.D
Acq: 30 Mar 2019 5:35

Instrument :
MSVOA_L
ClientSampleId :
SG-9-PRE-K-TEACHERS-ROOMDL

Tot Ion:117 Resp: 1791354
Ion Ratio Lower Upper
117 100
82 66.2 51.5 77.3
119 32.3 25.5 38.3



#68
1-Bromo-4-Fluorobenzene
Concen: 9.622 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.00 min
Lab File: VL033524.D
Acq: 30 Mar 2019 5:35

Tgt Ion: 95 Resp: 1351308
Ion Ratio Lower Upper
95 100
174 66.5 52.9 79.3
175 4.7 3.8 5.6

