

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032919\
 Data File : VL033523.D
 Acq On : 30 Mar 2019 4:56
 Operator : SY/AP
 Sample : K2042-08
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
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 4/1/2019 4:03:30 AM

Quant Time: Mar 30 06:27:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 2
 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	778327	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1772250	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1914751	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.58	95	1446599	9.64	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	37865	0.334	ppbv	98
4) Chloromethane	3.17	50	16740m	0.353	ppbv	
7) Chloroethane	3.60	64	4409	0.254	ppbv #	88
9) Propene	3.05	41	39221m	1.042	ppbv	
10) Heptane	8.25	43	27496m	0.273	ppbv	
11) Trichlorofluoromethane	4.00	101	48975	0.350	ppbv	92
13) Ethanol	3.66	45	3197693	328.383	ppbv	65
15) Acetone	3.90	43	1386463	14.815	ppbv	97
17) tert-Butyl alcohol	4.37	59	30720	1.785	ppbv #	73
20) Methylene Chloride	4.41	84	669302	16.848	ppbv	98
26) Hexane	5.78	57	458108	5.934	ppbv #	43
29) Chloroform	5.84	83	57266	0.433	ppbv	87
31) cis-1,2-Dichloroethene	5.64	61	39178	0.510	ppbv	89
34) 2-Butanone	5.33	43	101039	0.949	ppbv	98
35) Carbon Tetrachloride	7.13	117	10225m	0.081	ppbv	
36) Benzene	7.00	78	61817	0.416	ppbv	95
38) Trichloroethene	7.96	130	202350	3.616	ppbv	96
44) 2,2,4-Trimethylpentane	7.98	57	47213m	0.182	ppbv	
52) Tetrachloroethene	11.37	164	5791m	0.103	ppbv	
53) Toluene	9.95	91	1713521	9.916	ppbv	100
58) Ethyl Benzene	12.86	91	38280	0.150	ppbv #	84
59) m/p-Xylene	13.13	91	121996m	0.534	ppbv	
60) o-Xylene	13.85	91	33709	0.153	ppbv	99

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

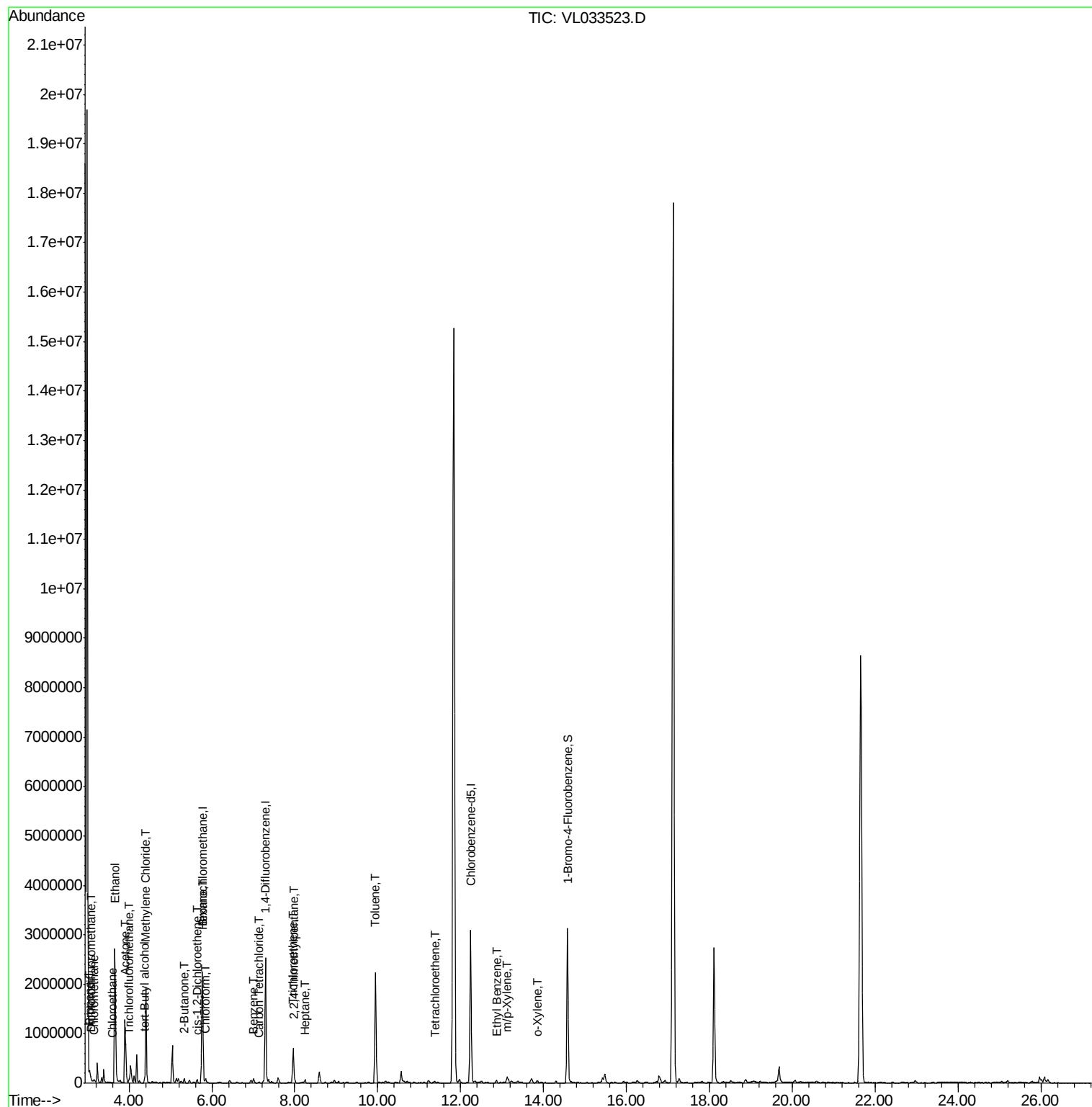
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032919\
Data File : VL033523.D
Acq On : 30 Mar 2019 4:56
Operator : SY/AP
Sample : K2042-08
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

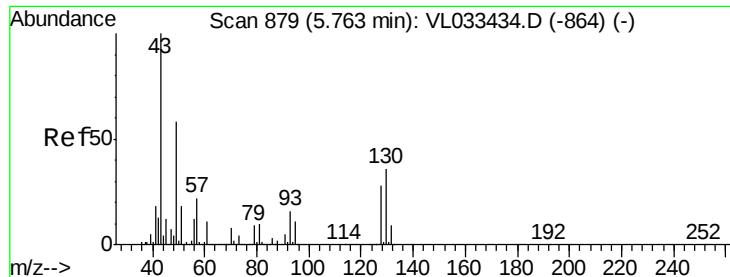
Instrument :
MSVOA_L
ClientSampleId :
SG-9-PRE-K-TEACHERS-ROOM

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Quant Time: Mar 30 06:27:19 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration





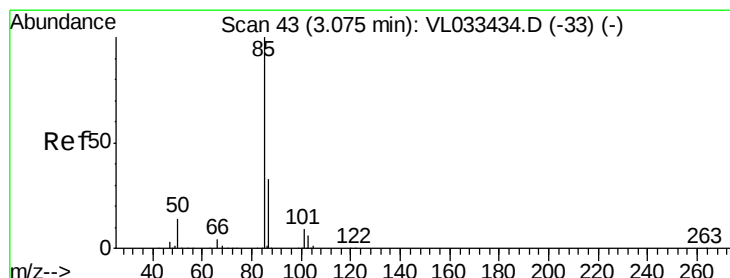
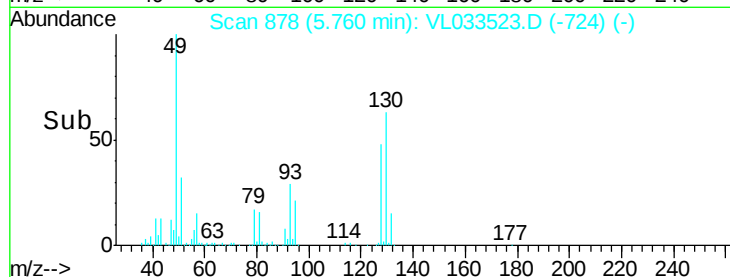
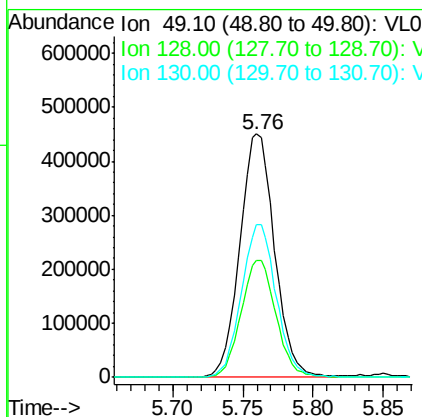
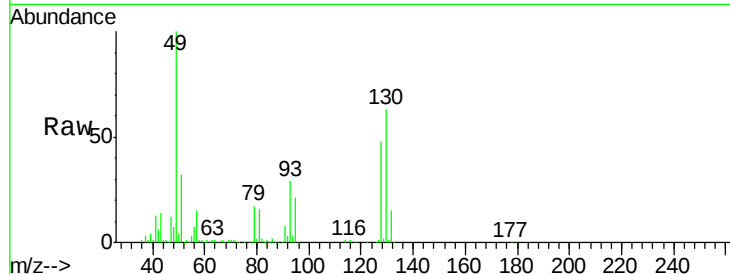
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Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033523.D
Acq: 30 Mar 2019 4:56

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

Tot Ion	Ratio	Lower	Upper
49	100		
128	48.4	24.0	72.0
130	63.1	31.2	93.6

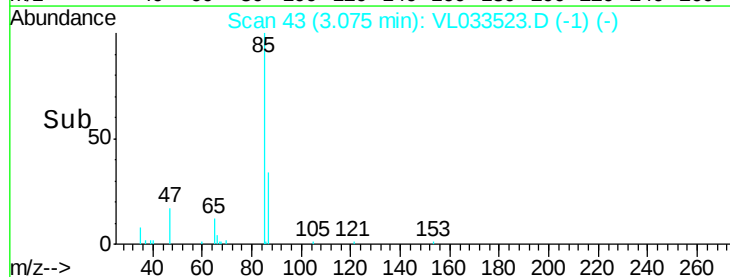
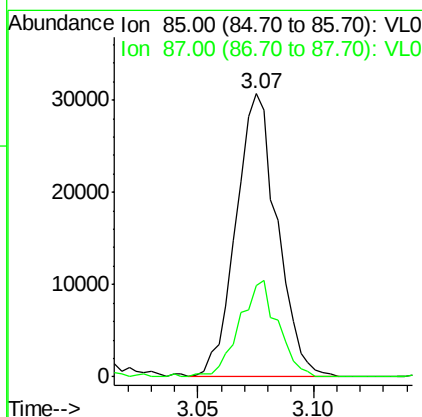
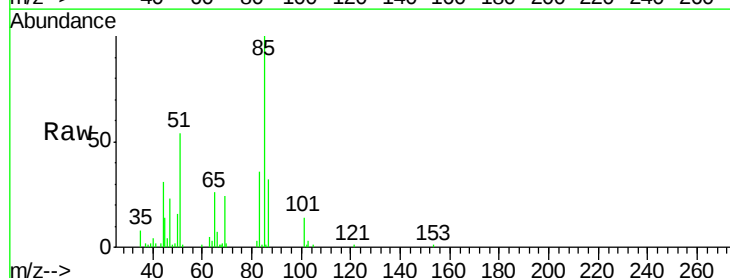
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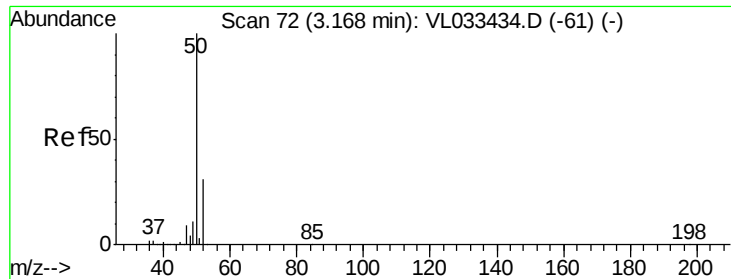
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#2
Dichlorodifluoromethane
Concen: 0.334 ppbv
RT: 3.07 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033523.D
Acq: 30 Mar 2019 4:56

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.3	26.7	40.1





#4

Chloromethane

Concen: 0.353 ppbv

RT: 3.17 min Scan# 71

Delta R.T. -0.00 min

Lab File: VL033523.D

Acq: 30 Mar 2019 4:56

Instrument :

MSVOA_L

ClientSampleId :

SG-9-PRE-K-TEACHERS-ROOM

Tot Ion: 50 Resp: 16740

Ion Ratio Lower Upper

50 100

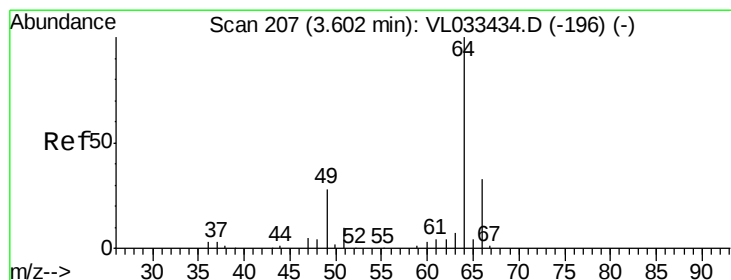
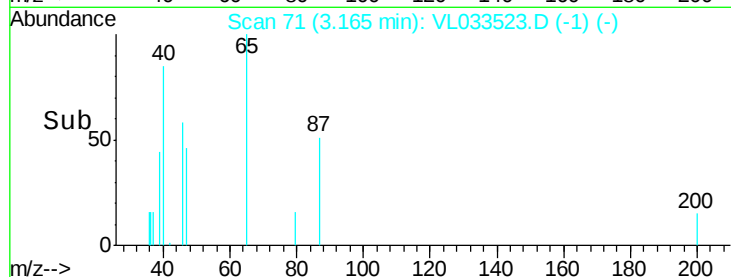
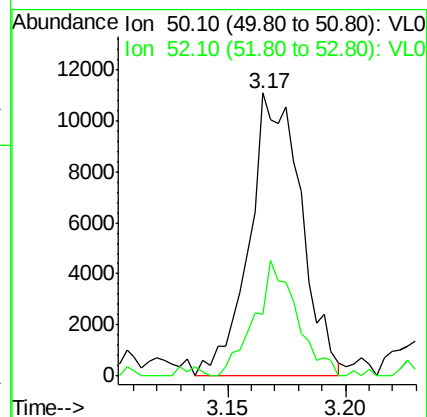
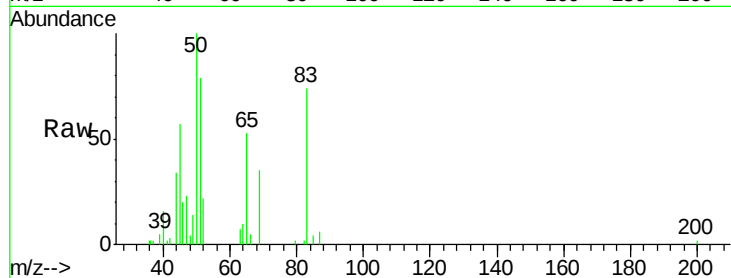
52 21.9 25.0 37.6#

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#7

Chloroethane

Concen: 0.254 ppbv

RT: 3.60 min Scan# 207

Delta R.T. -0.00 min

Lab File: VL033523.D

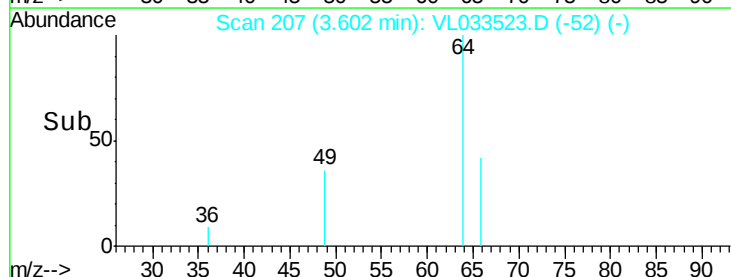
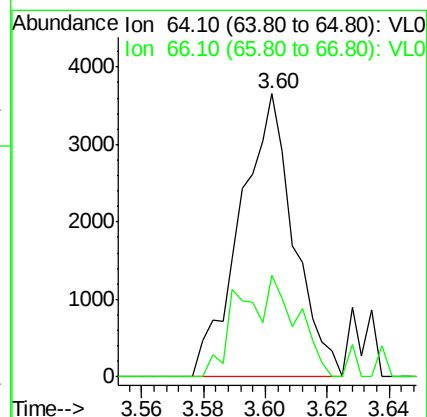
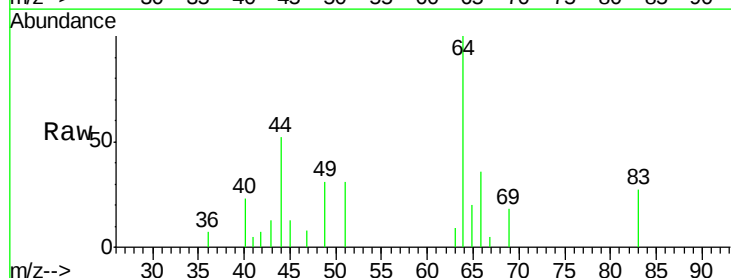
Acq: 30 Mar 2019 4:56

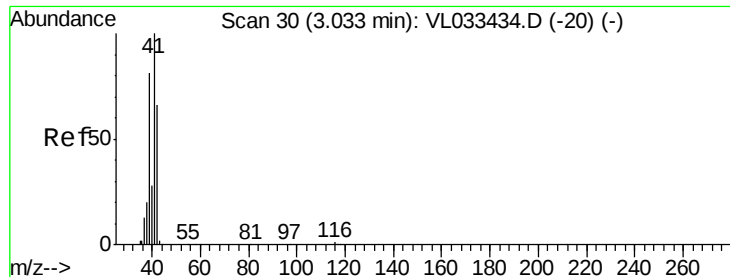
Tgt Ion: 64 Resp: 4409

Ion Ratio Lower Upper

64 100

66 40.4 26.7 40.1#





#9

Propene

Concen: 1.042 ppbv m

RT: 3.05 min Scan# 34

Delta R.T. 0.01 min

Lab File: VL033523.D

Acq: 30 Mar 2019 4:56

Instrument :

MSVOA_L

ClientSampleId :

SG-9-PRE-K-TEACHERS-ROOM

Tot Ion: 41 Resp: 39221

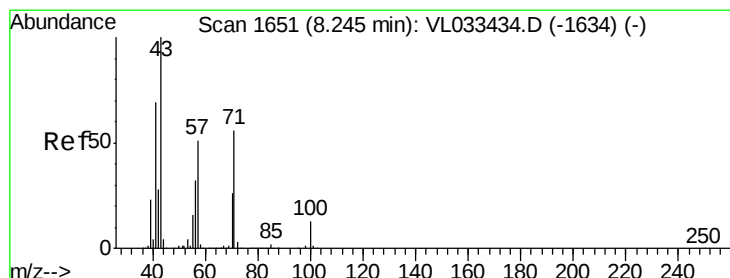
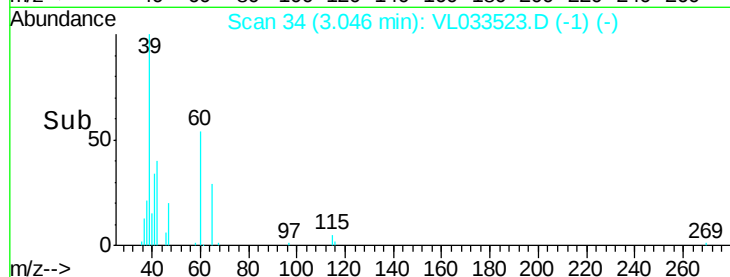
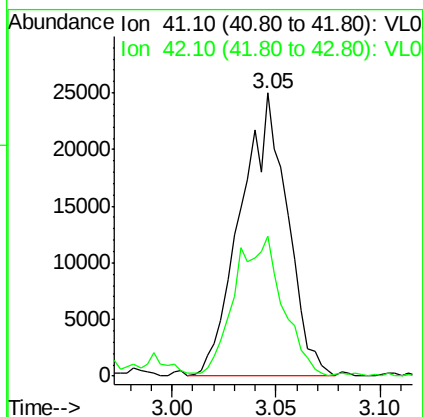
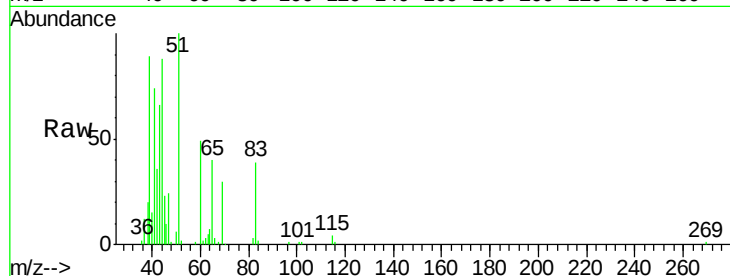
Ion Ratio Lower Upper

41 100

42 161.6 53.9 80.9#

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#10

Heptane

Concen: 0.273 ppbv m

RT: 8.25 min Scan# 1653

Delta R.T. 0.01 min

Lab File: VL033523.D

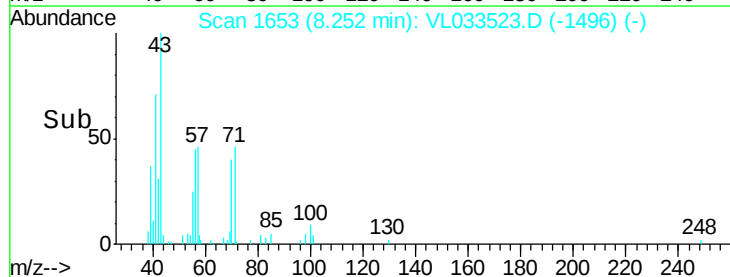
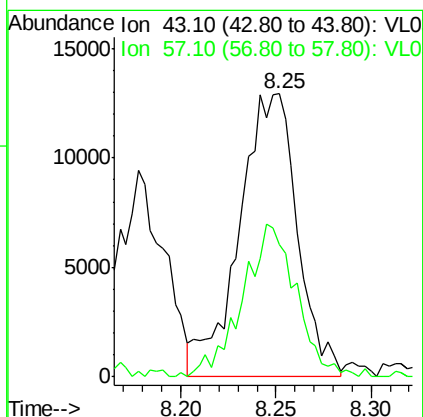
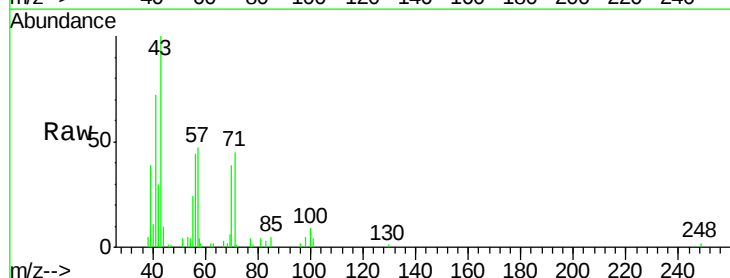
Acq: 30 Mar 2019 4:56

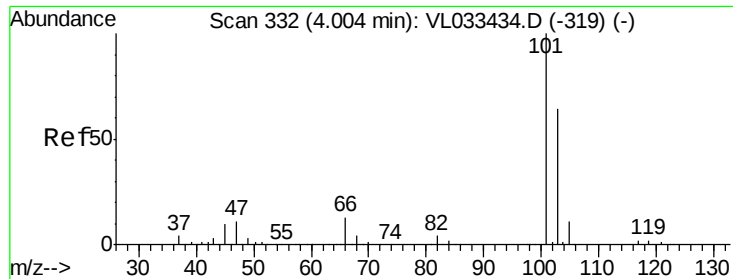
Tgt Ion: 43 Resp: 27496

Ion Ratio Lower Upper

43 100

57 49.9 40.6 60.8





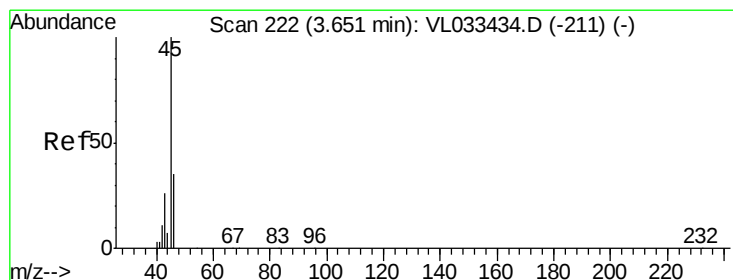
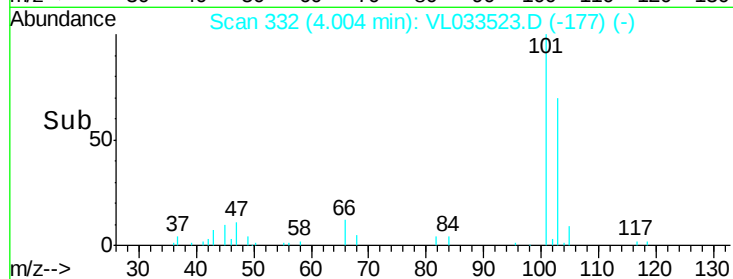
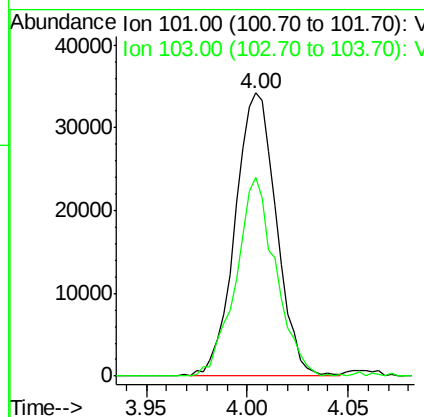
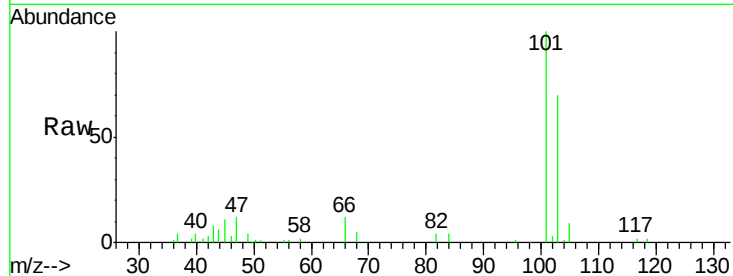
#11
Trichlorofluoromethane
Concen: 0.350 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033523.D
Acq: 30 Mar 2019 4:56

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		48975		
103	70.4	51.3			76.9

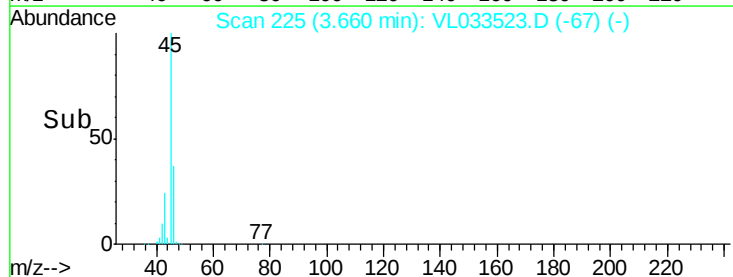
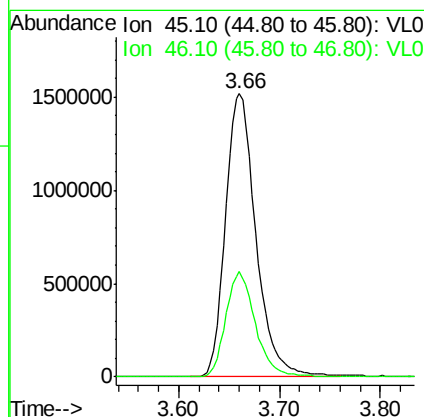
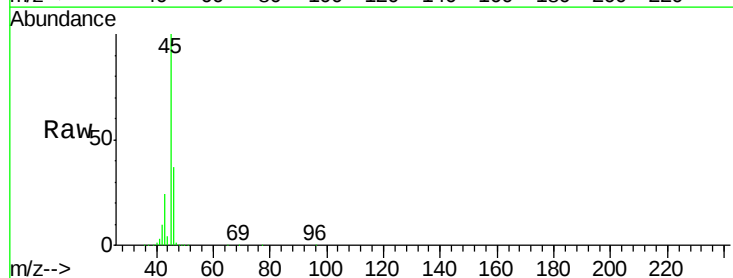
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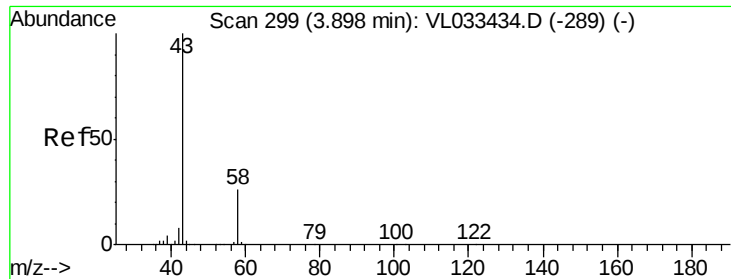
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#13
Ethanol
Concen: 328.383 ppbv
RT: 3.66 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL033523.D
Acq: 30 Mar 2019 4:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	100		3197693		
46	36.6	25.4			101.8





#15

Acetone

Concen: 14.815 ppbv

RT: 3.90 min Scan# 299

Delta R.T. -0.00 min

Lab File: VL033523.D

Acq: 30 Mar 2019 4:56

Instrument :

MSVOA_L

ClientSampleId :

SG-9-PRE-K-TEACHERS-ROOM

Tot Ion: 43 Resp: 1386463

Ion Ratio Lower Upper

43 100

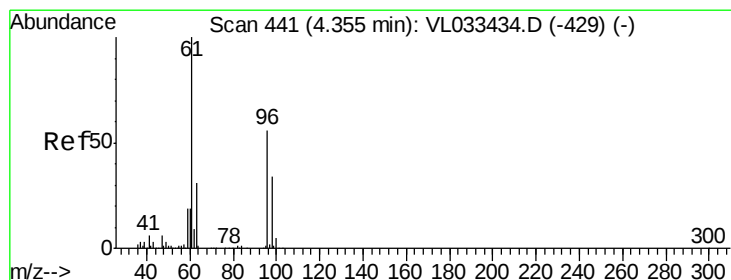
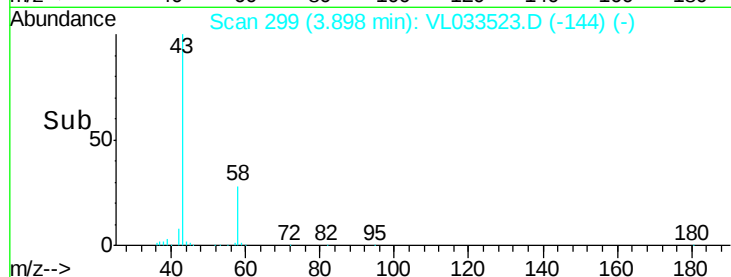
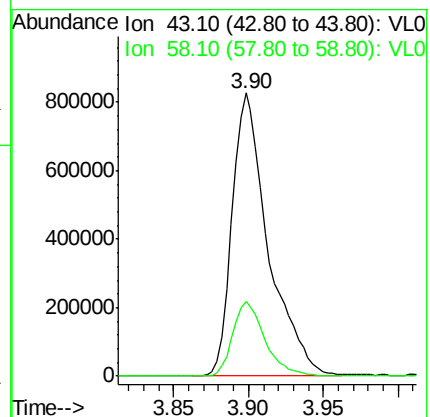
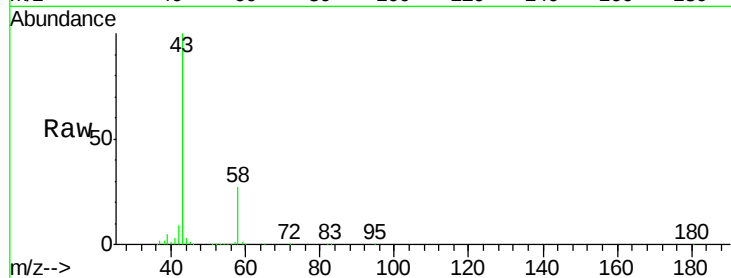
58 23.8 20.5 30.7

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#17

tert-Butyl alcohol

Concen: 1.785 ppbv

RT: 4.37 min Scan# 447

Delta R.T. 0.02 min

Lab File: VL033523.D

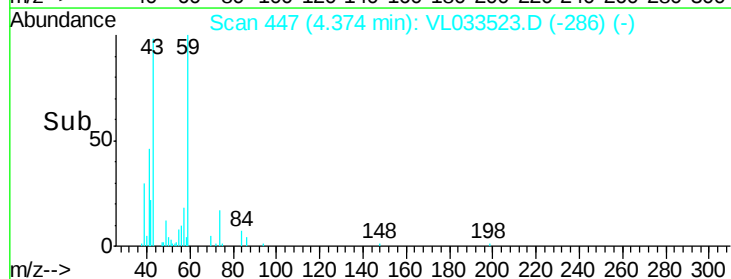
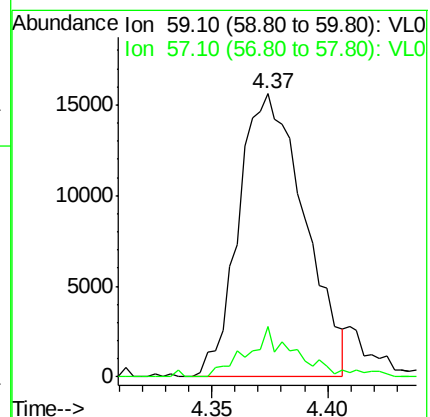
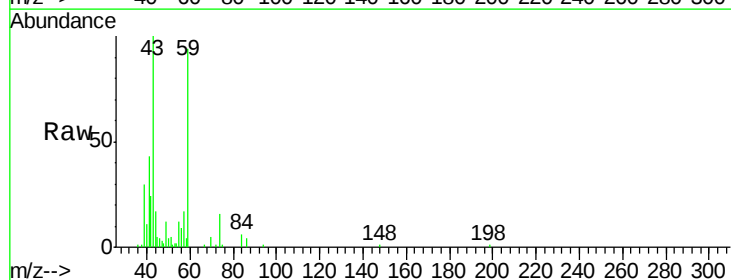
Acq: 30 Mar 2019 4:56

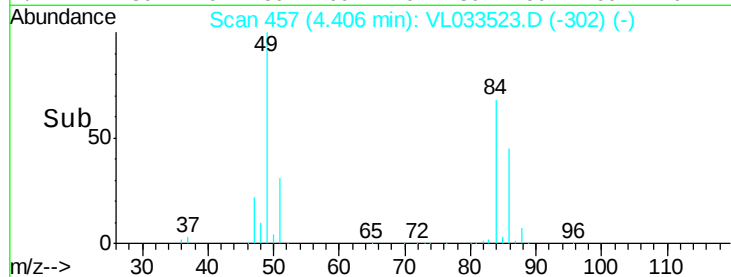
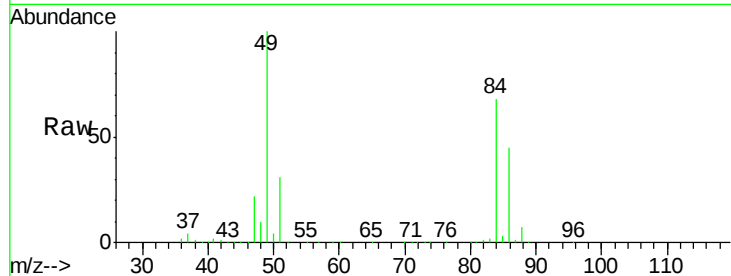
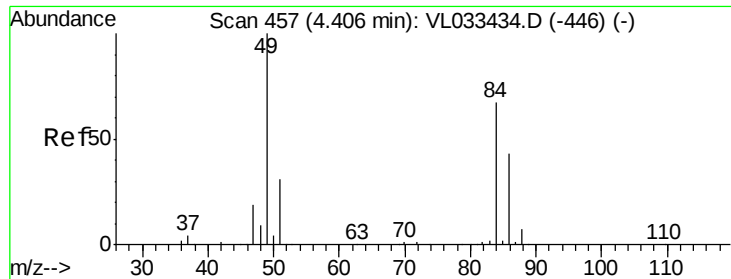
Tgt Ion: 59 Resp: 30720

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#





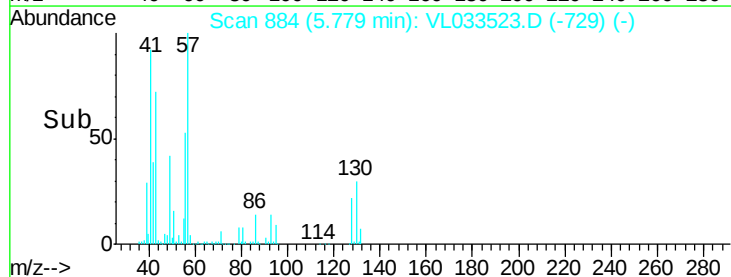
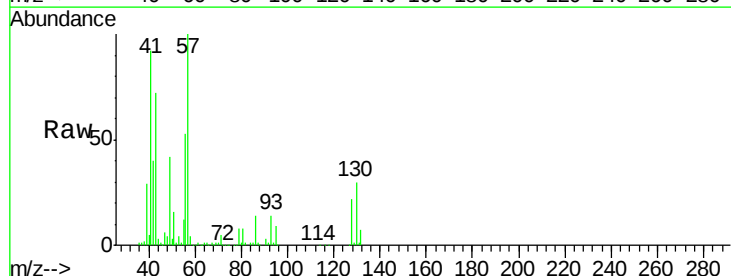
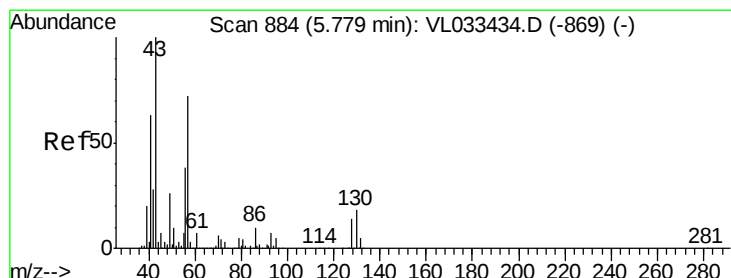
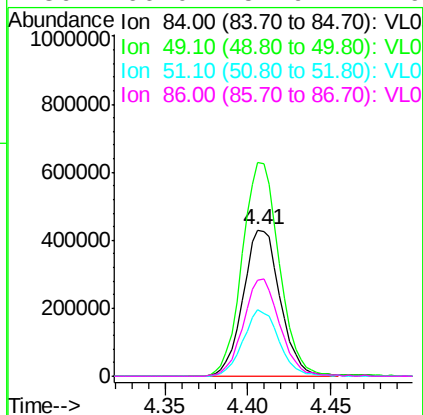
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Methvlene Chloride
Concen: 16.848 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033523.D
Acq: 30 Mar 2019 4:56

Tot Ion	84	Resp	669302
Ion Ratio	Lower	Upper	
84	100		
49	146.1	120.0	180.0
51	45.1	36.7	55.1
86	66.0	51.9	77.9

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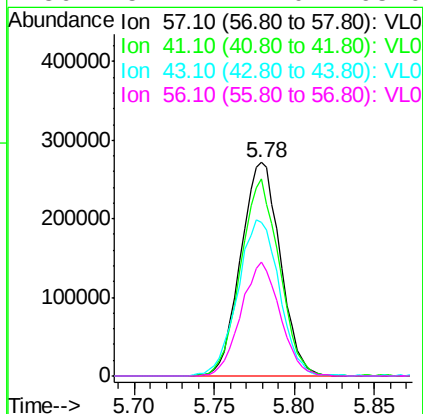
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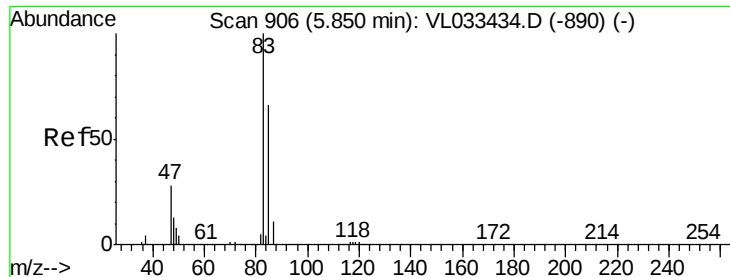
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#26
Hexane
Concen: 5.934 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033523.D
Acq: 30 Mar 2019 4:56

Tgt Ion	57	Resp	458108
Ion Ratio	Lower	Upper	
57	100		
41	90.3	70.7	106.1
43	77.2	182.6	274.0#
56	52.7	42.0	63.0





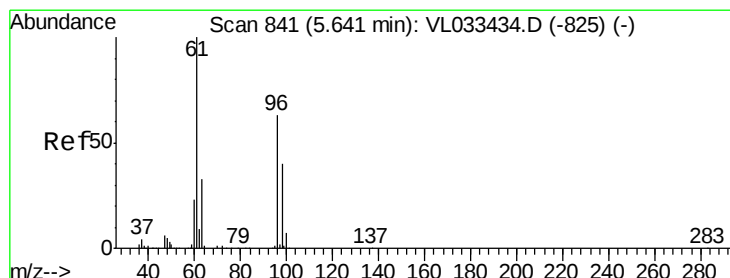
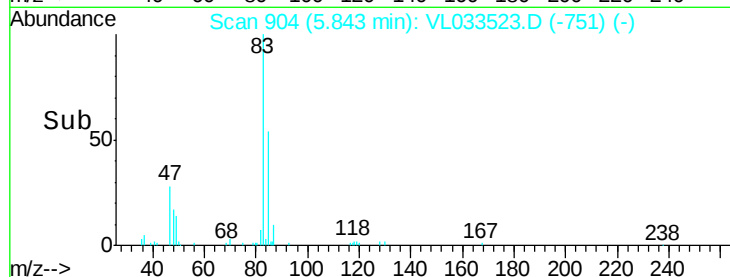
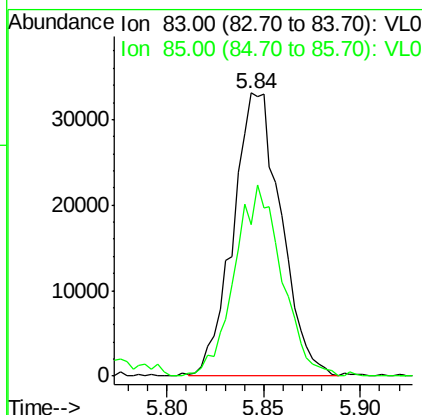
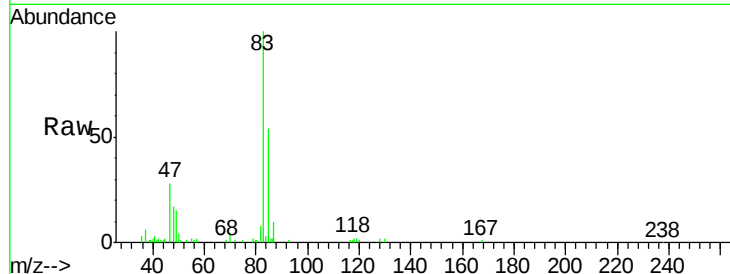
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Chloroform
Concen: 0.433 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.01 min
Lab File: VL033523.D
Acq: 30 Mar 2019 4:56

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

Tot Ion	83	Resp	57266
Ion Ratio	100	Lower	Upper
83	100		
85	55.4	52.6	79.0

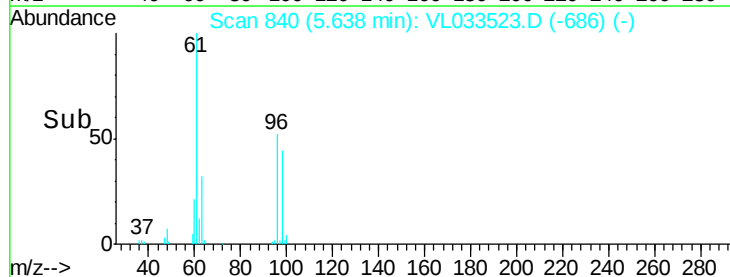
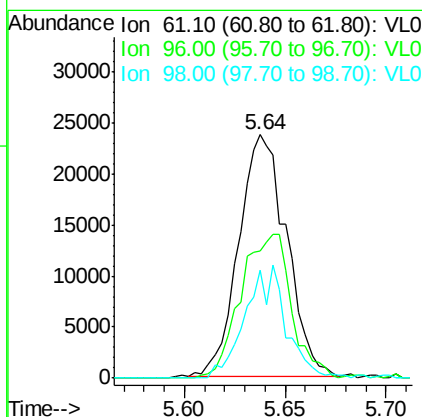
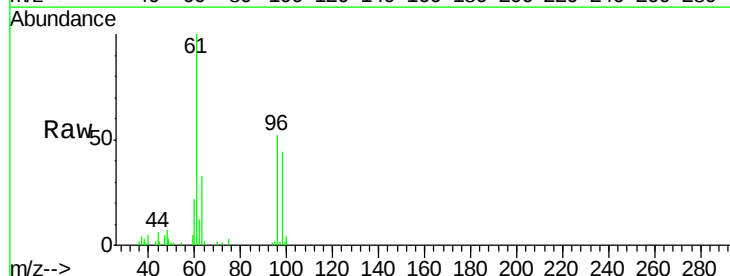
Manual Integrations
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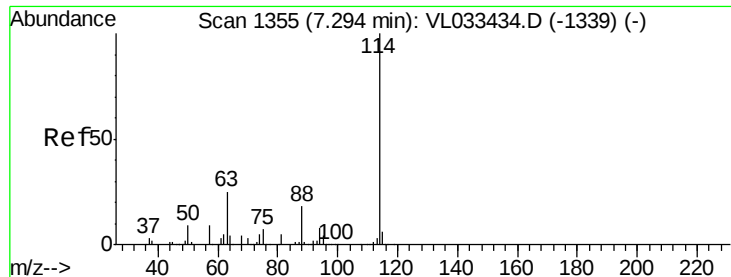
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#31
cis-1,2-Dichloroethene
Concen: 0.510 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.00 min
Lab File: VL033523.D
Acq: 30 Mar 2019 4:56

Tgt Ion	61	Resp	39178
Ion Ratio	100	Lower	Upper
61	100		
96	52.7	50.6	76.0
98	44.6	32.2	48.2





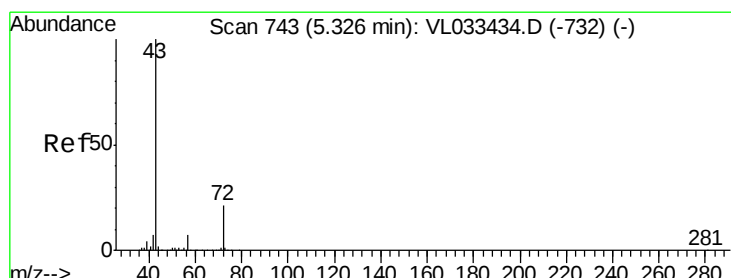
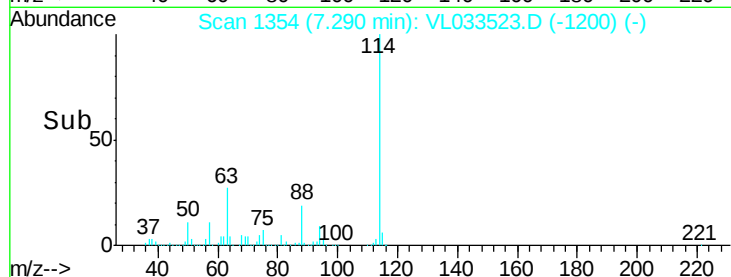
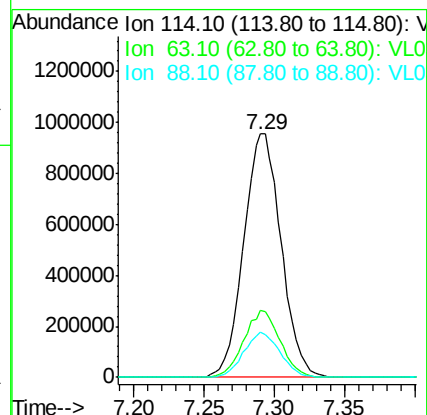
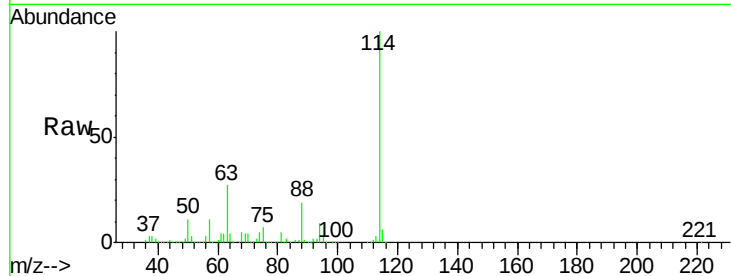
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VL033523.D
 Acq: 30 Mar 2019 4:56

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

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.7	21.5	32.3
88	18.1	14.5	21.7

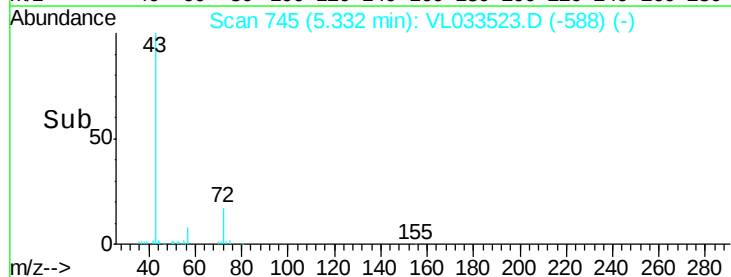
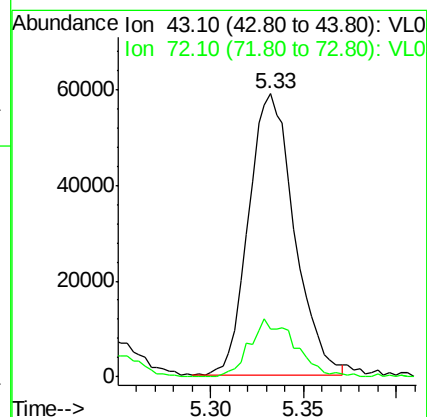
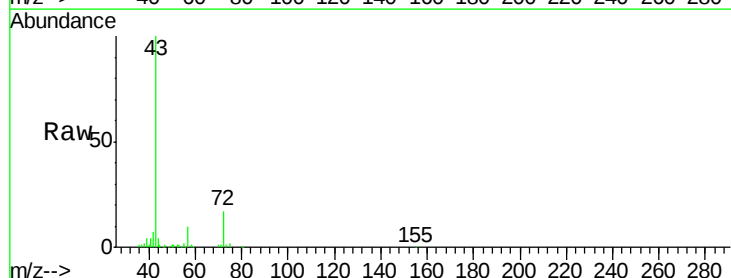
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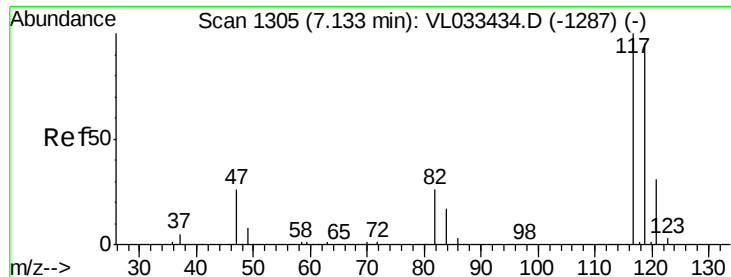
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#34
 2-Butanone
 Concen: 0.949 ppbv
 RT: 5.33 min Scan# 745
 Delta R.T. 0.01 min
 Lab File: VL033523.D
 Acq: 30 Mar 2019 4:56

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.8	17.4	26.2





#35

Carbon Tetrachloride

Concen: 0.081 ppbv m

RT: 7.13 min Scan# 1303

Delta R.T. -0.01 min

Lab File: VL033523.D

Acq: 30 Mar 2019 4:56

Instrument :

MSVOA_L

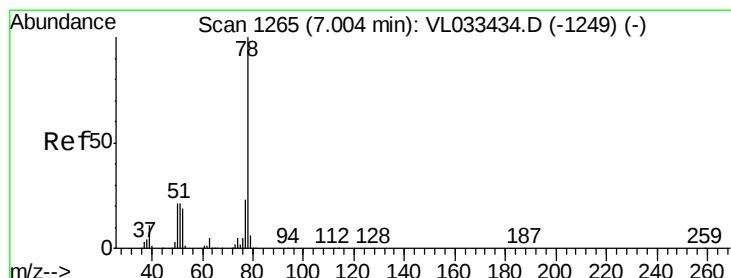
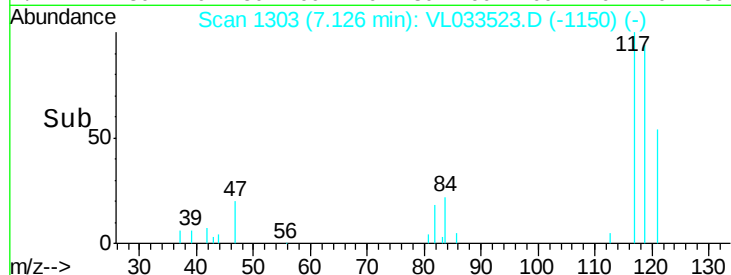
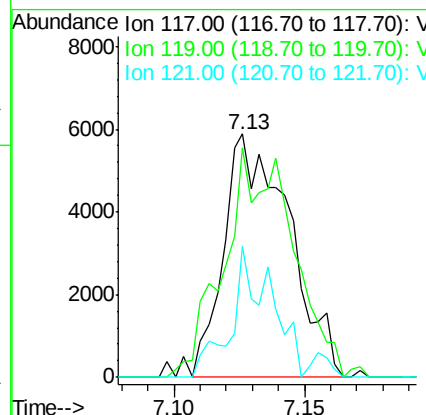
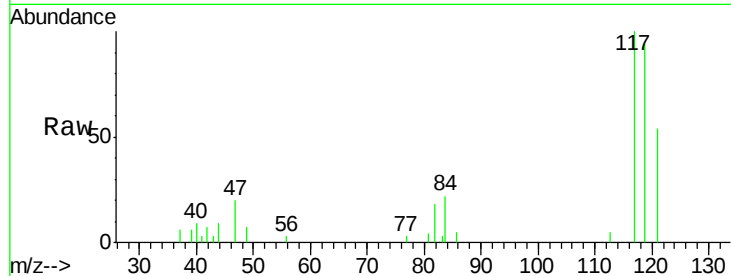
ClientSampleId :

SG-9-PRE-K-TEACHERS-ROOM

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.8	113.8
121	53.6	24.7	37.1#

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#36

Benzene

Concen: 0.416 ppbv

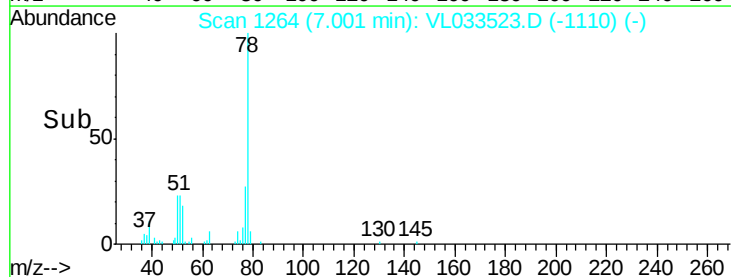
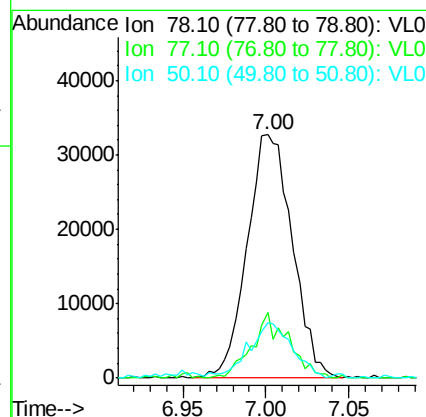
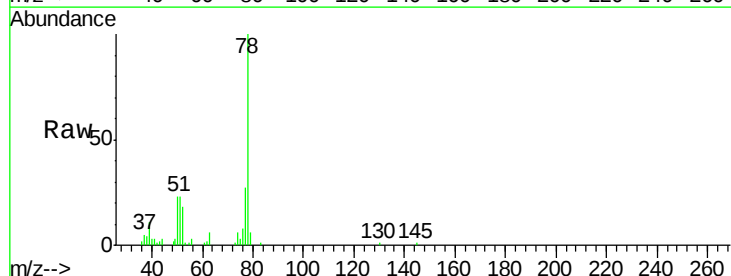
RT: 7.00 min Scan# 1264

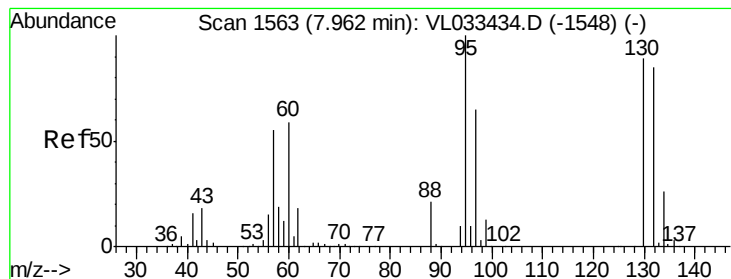
Delta R.T. -0.00 min

Lab File: VL033523.D

Acq: 30 Mar 2019 4:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.8	18.1	27.1
50	21.0	16.7	25.1





#38

Trichloroethene

Concen: 3.616 ppbv

RT: 7.96 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VL033523.D

Acq: 30 Mar 2019 4:56

Instrument :

MSVOA_L

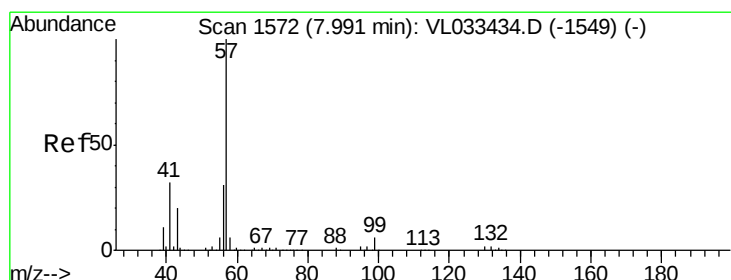
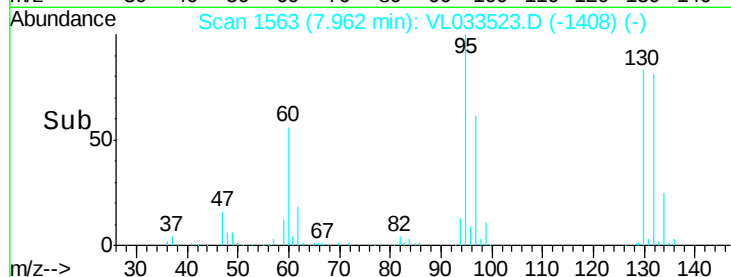
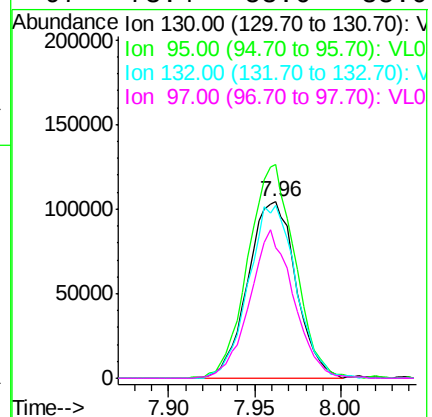
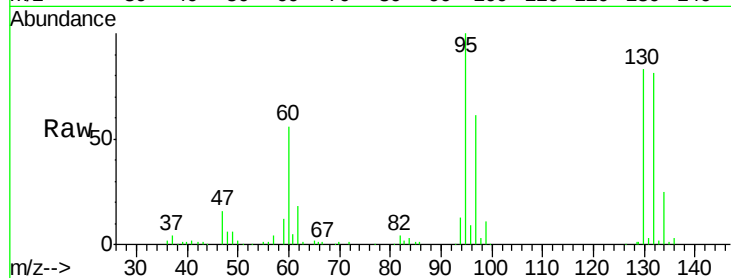
ClientSampleId :

SG-9-PRE-K-TEACHERS-ROOM

Tot Ion	Ratio	Resp	Lower	Upper
130	100	202350		
95	120.4	89.8	134.8	
132	97.2	76.6	115.0	
97	73.4	58.6	88.0	

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#44

2,2,4-Trimethylpentane

Concen: 0.182 ppbv m

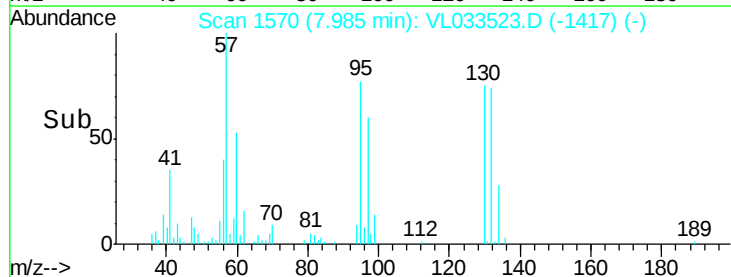
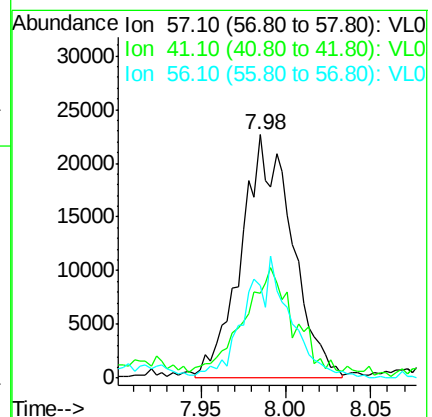
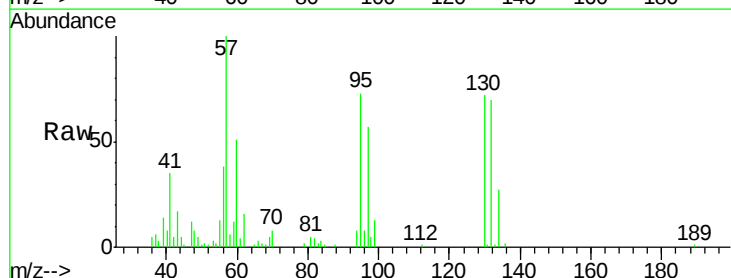
RT: 7.98 min Scan# 1570

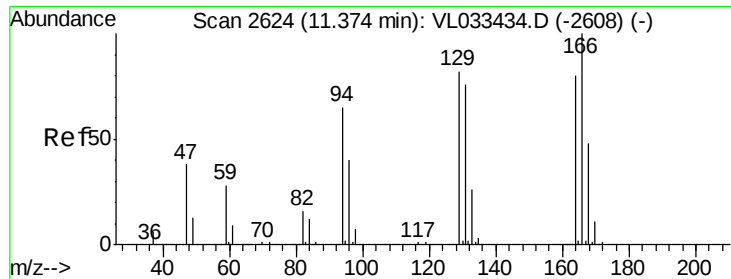
Delta R.T. -0.01 min

Lab File: VL033523.D

Acq: 30 Mar 2019 4:56

Tgt Ion	Ratio	Resp	Lower	Upper
57	100	47213		
41	44.9	26.0	39.0#	
56	44.2	24.6	37.0#	





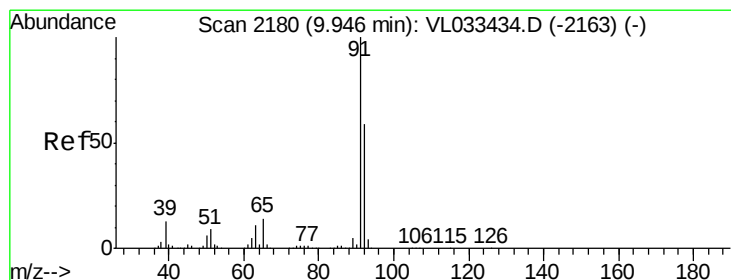
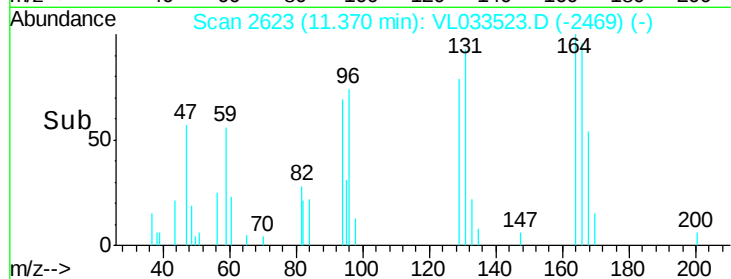
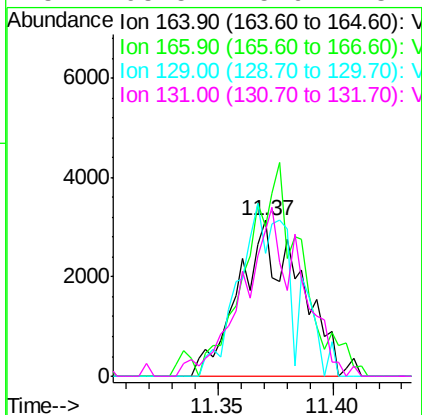
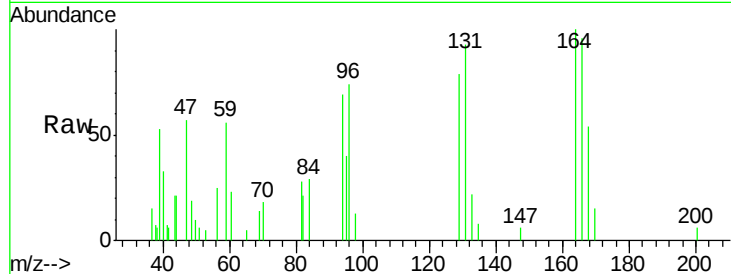
#52
Tetrachloroethene
Concen: 0.103 ppbv m
RT: 11.37 min Scan# 2623
Delta R.T. -0.00 min
Lab File: VL033523.D
Acq: 30 Mar 2019 4:56

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

Tot Ion	Ratio	Lower	Upper
164	100		
166	95.9	99.5	149.3#
129	78.7	81.4	122.2#
131	93.5	75.6	113.4

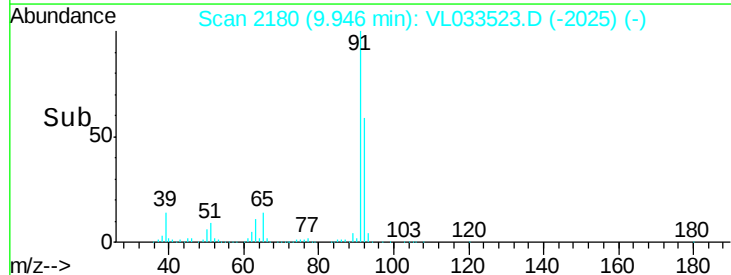
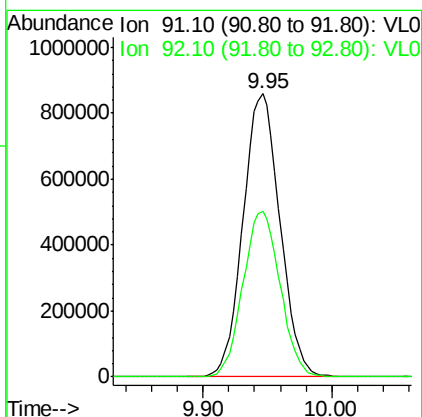
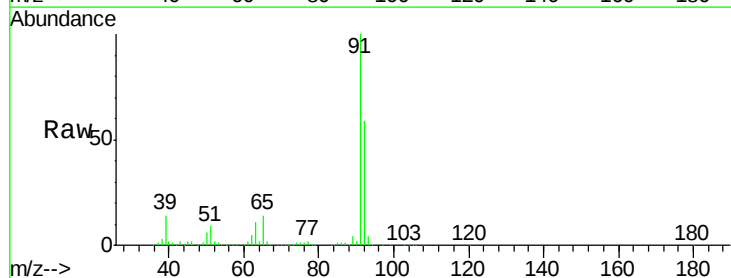
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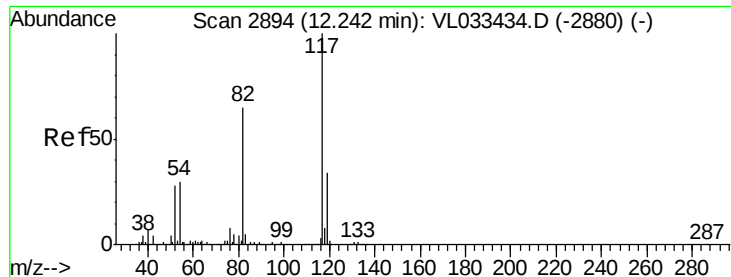
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#53
Toluene
Concen: 9.916 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.00 min
Lab File: VL033523.D
Acq: 30 Mar 2019 4:56

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.9	47.4	71.0





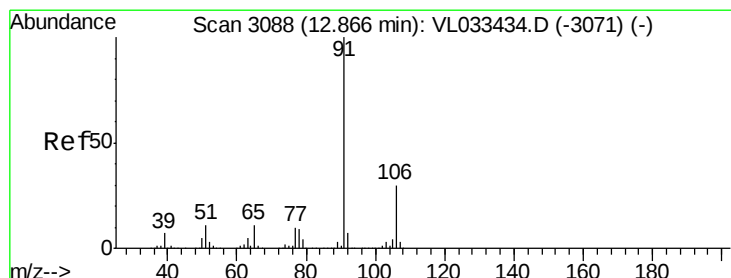
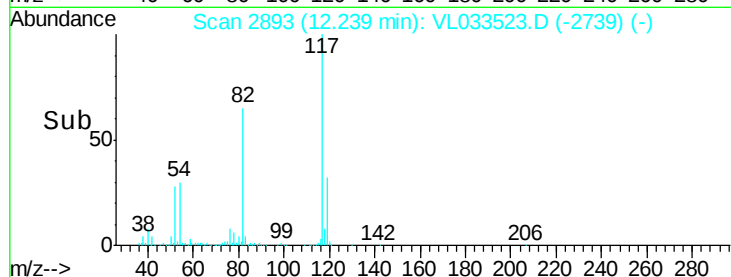
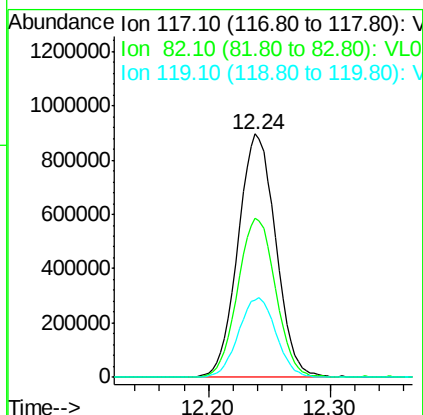
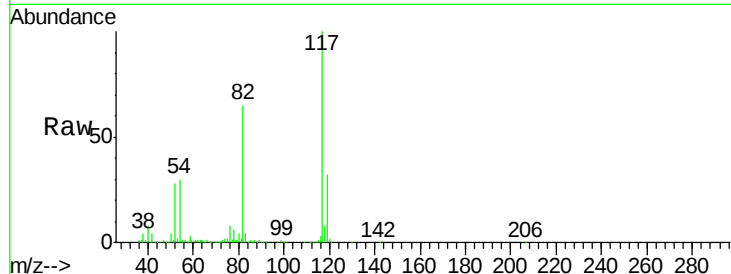
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL033523.D
Acq: 30 Mar 2019 4:56

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

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.7	51.5	77.3
119	32.6	25.5	38.3

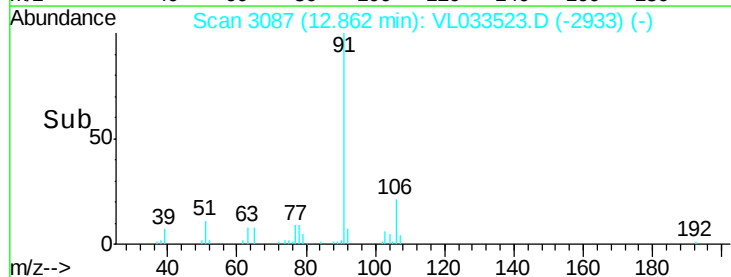
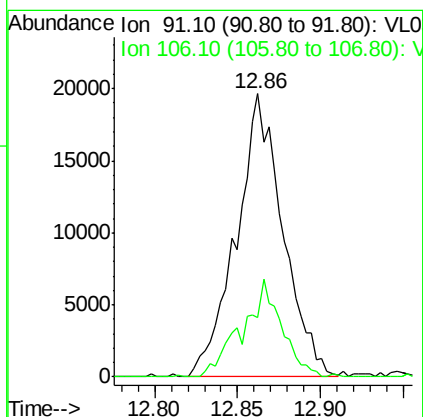
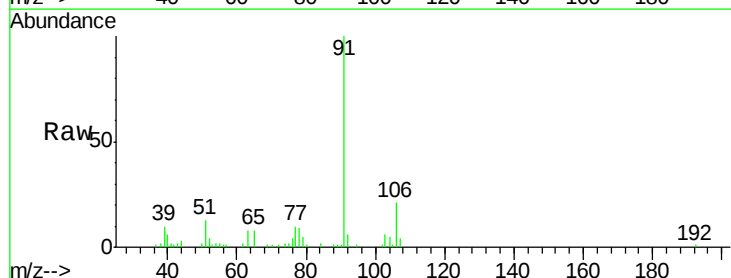
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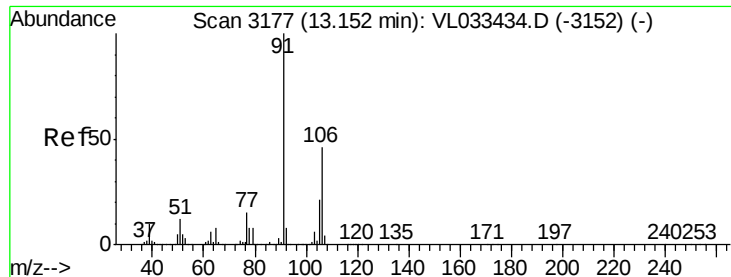
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#58
Ethyl Benzene
Concen: 0.150 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VL033523.D
Acq: 30 Mar 2019 4:56

Tgt Ion	Ratio	Lower	Upper
91	100		
106	21.0	23.8	35.6#





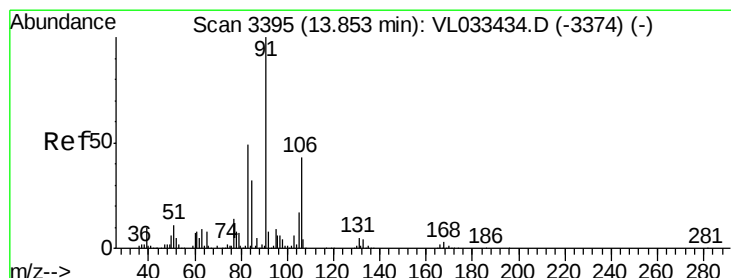
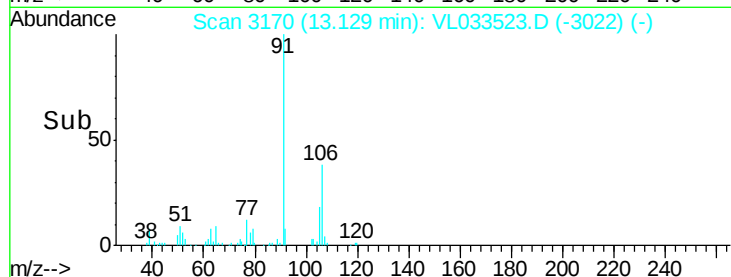
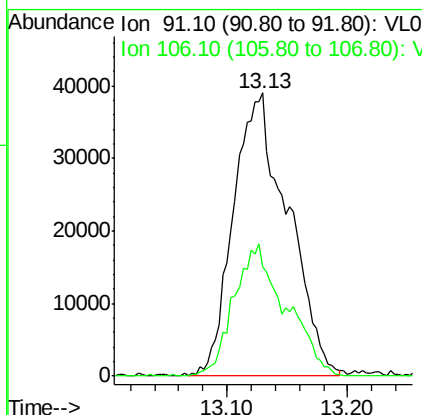
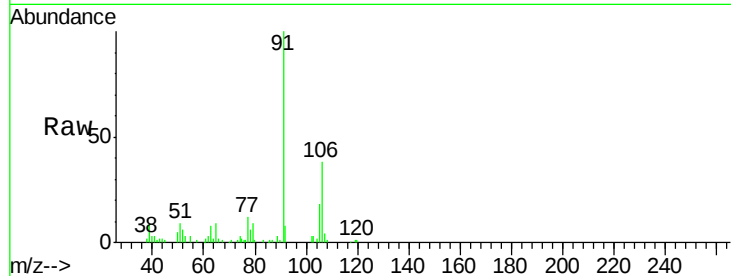
#59
m/p-Xylene
Concen: 0.534 ppbv m
RT: 13.13 min Scan# 3170
Delta R.T. -0.02 min
Lab File: VL033523.D
Acq: 30 Mar 2019 4:56

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		121996		
106	0.0		0.0	0.0	0.0

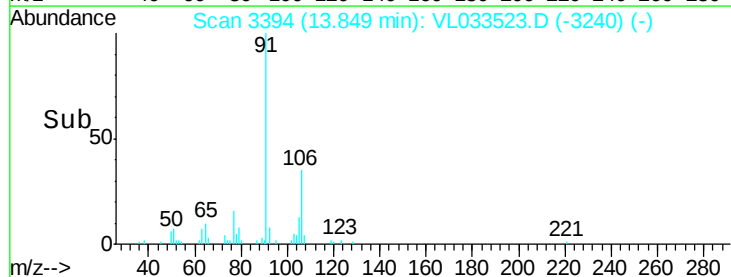
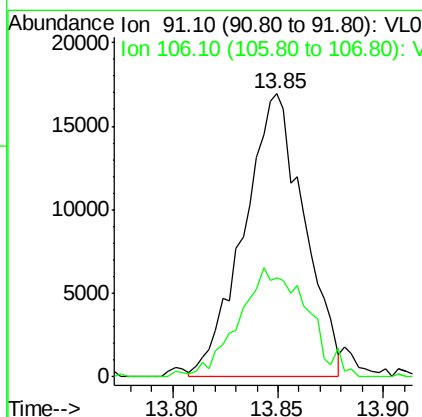
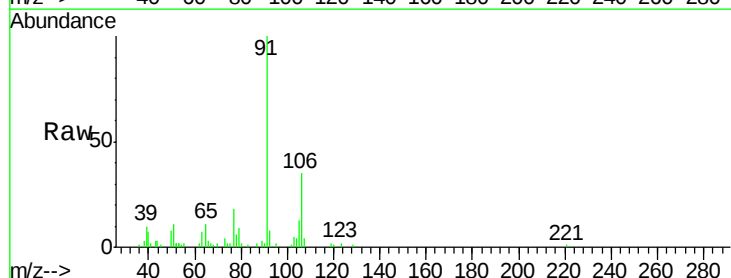
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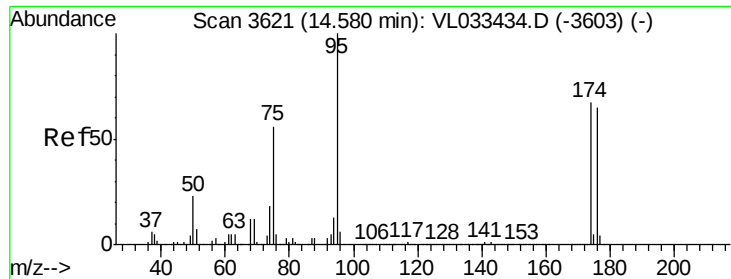
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#60
o-Xylene
Concen: 0.153 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL033523.D
Acq: 30 Mar 2019 4:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		33709		
106	43.4		21.4	64.3	





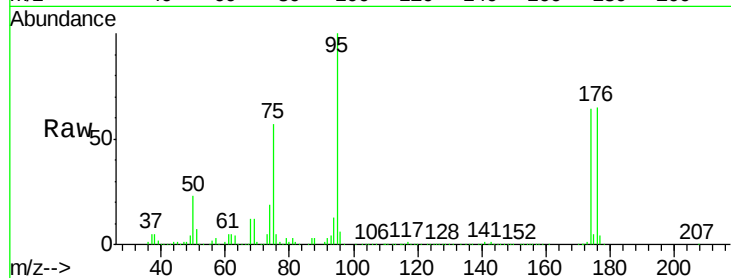
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.637 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. -0.00 min
 Lab File: VL033523.D
 Acq: 30 Mar 2019 4:56

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

Tot Ion	Ratio	Lower	Upper
95	100		
174	65.5	52.9	79.3
175	4.9	3.8	5.6

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Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

