

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072120\
 Data File : VL035215.D
 Acq On : 21 Jul 2020 17:19
 Operator : SY/AP
 Sample : L3290-01DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1ST-FLOOR-EAST-CLASSROOMDU

Manual Integrations
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 7/23/2020 2:59:30 PM

Quant Time: Jul 22 01:27:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1027997	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2457865	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2356462	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.45	95	1927862	10.07	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	33956	0.236	ppbv #	84
3) Chlorodifluoromethane	2.95	51	40719m	0.359	ppbv	
4) Chloromethane	3.11	50	35733	0.558	ppbv	96
9) Propene	2.98	41	70391	1.640	ppbv #	77
10) Heptane	8.14	43	11768m	0.107	ppbv	
11) Trichlorofluoromethane	3.92	101	45311m	0.279	ppbv	
13) Ethanol	3.57	45	1092344	79.951	ppbv	95
15) Acetone	3.82	43	1052301m	7.561	ppbv	
17) tert-Butyl alcohol	4.28	59	20374m	0.165	ppbv	
19) Isopropyl Alcohol	3.94	45	708307	8.436	ppbv	100
20) Methylene Chloride	4.32	84	344640	5.691	ppbv	93
26) Hexane	5.68	57	146220	1.535	ppbv #	43
27) Carbon Disulfide	4.53	76	18727m	0.141	ppbv	
29) Chloroform	5.74	83	15009m	0.094	ppbv	
34) 2-Butanone	5.23	43	77132	0.588	ppbv	94
35) Carbon Tetrachloride	7.02	117	13902m	0.087	ppbv	
36) Benzene	6.89	78	31481m	0.177	ppbv	
44) 2,2,4-Trimethylpentane	7.87	57	44797m	0.146	ppbv	
52) Tetrachloroethene	11.25	164	11421m	0.172	ppbv	
53) Toluene	9.82	91	343461	1.829	ppbv	97
59) m/p-Xylene	12.99	91	45554m	0.196	ppbv	
60) o-Xylene	13.71	91	24675m	0.107	ppbv	
74) 1,2,4-Trimethylbenzene	16.80	105	54482	0.196	ppbv #	70

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

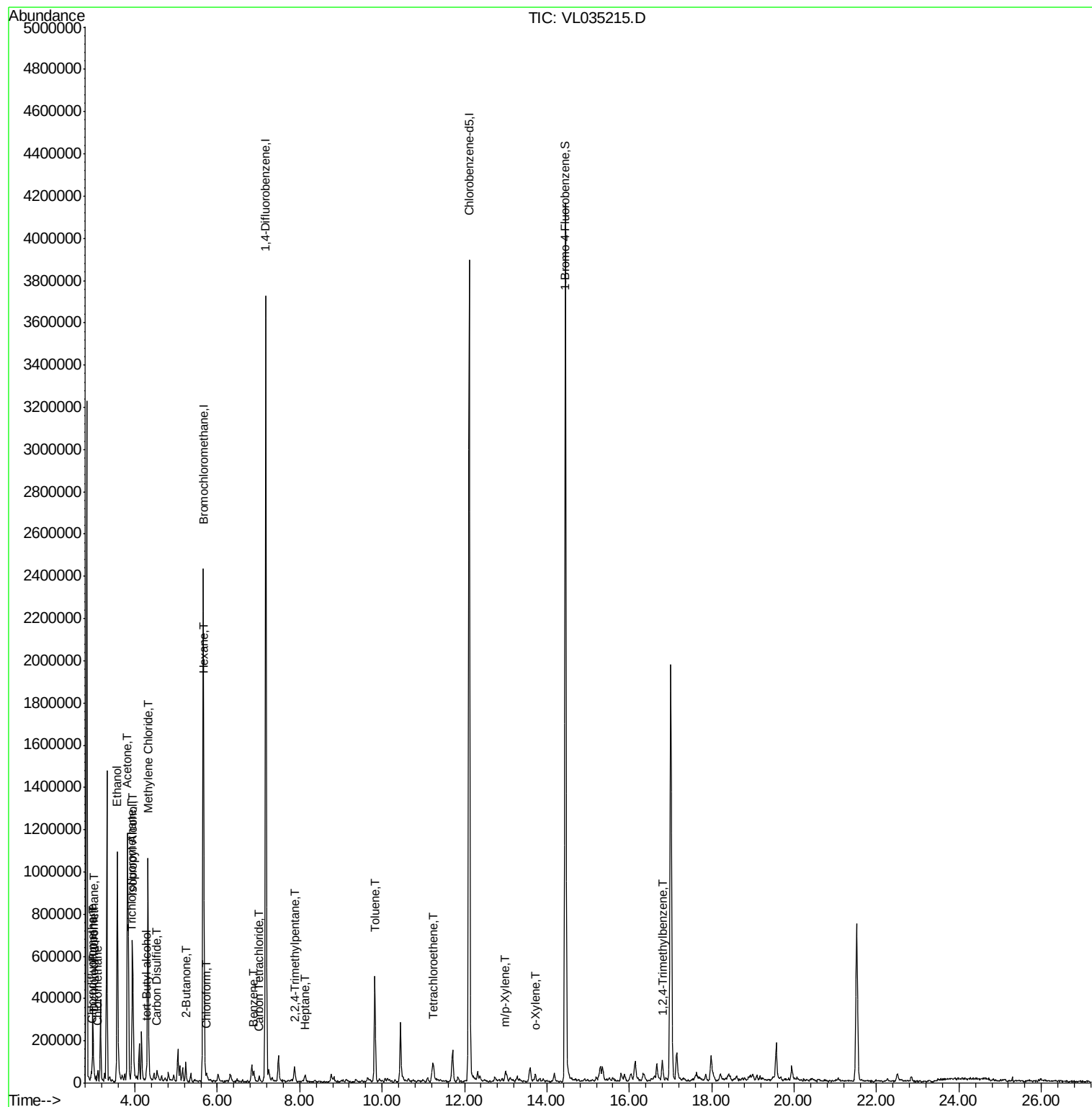
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072120\
Data File : VL035215.D
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Operator : SY/AP
Sample : L3290-01DUP
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ALS Vial : 1 Sample Multiplier: 1

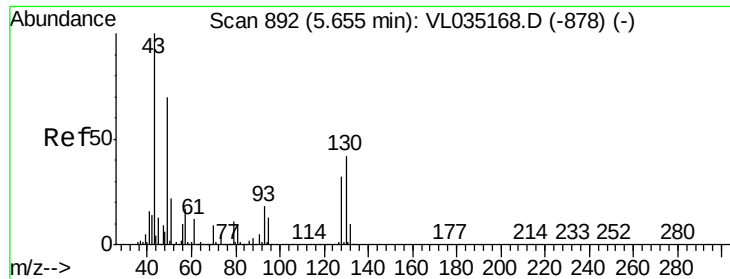
Instrument :
MSVOA_L
ClientSampleId :
1ST-FLOOR-EAST-CLASSROOMDU

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Quant Time: Jul 22 01:27:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul
QLast Update : Wed Jul 08 07:05:23 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.00 min

Lab File: VL035215.D

Acq: 21 Jul 2020 17:19

Instrument :

MSVOA_L

ClientSampleId :

1ST-FLOOR-EAST-CLASSROOMDU

Tot Ion: 49 Resp: 1027997

Ion Ratio Lower Upper

49 100

128 47.7 23.8 71.4

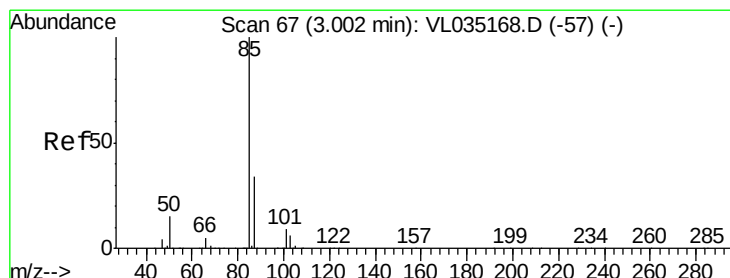
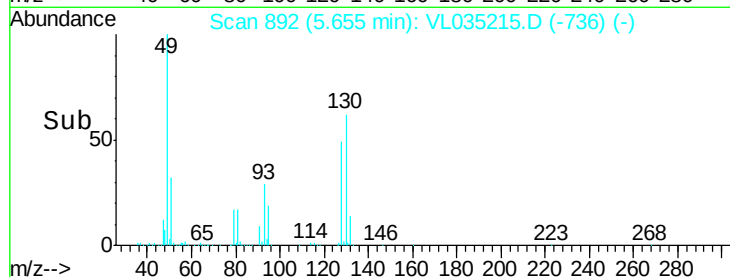
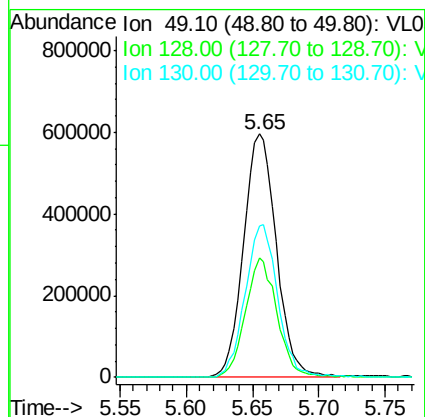
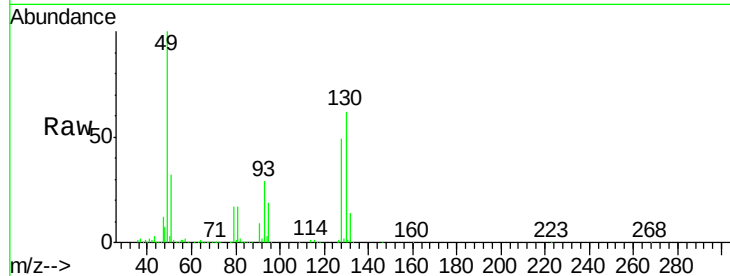
130 62.3 29.9 89.8

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 0.236 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL035215.D

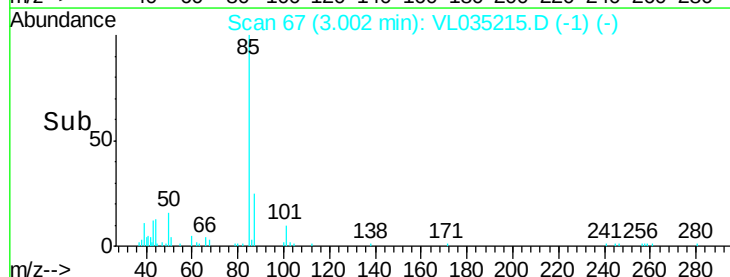
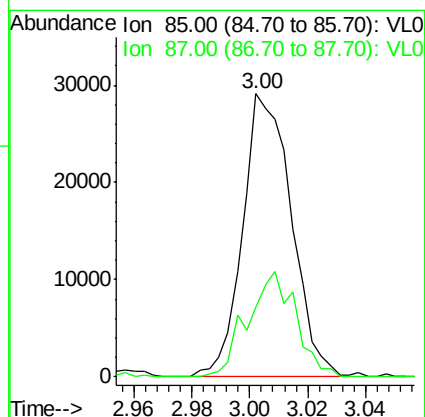
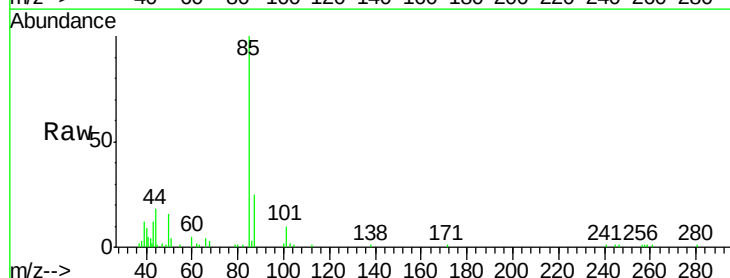
Acq: 21 Jul 2020 17:19

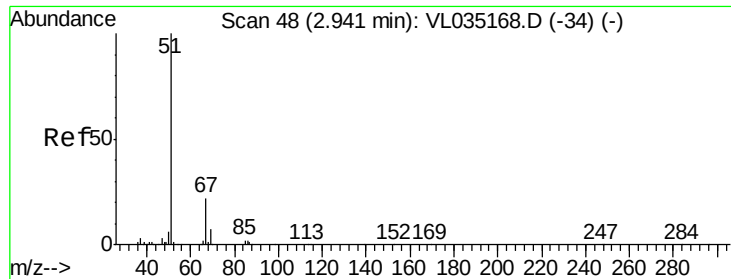
Tgt Ion: 85 Resp: 33956

Ion Ratio Lower Upper

85 100

87 24.7 27.0 40.6#





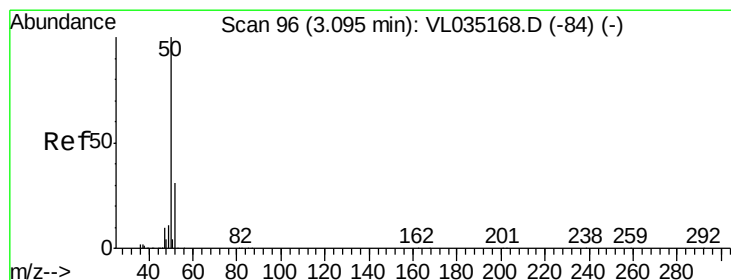
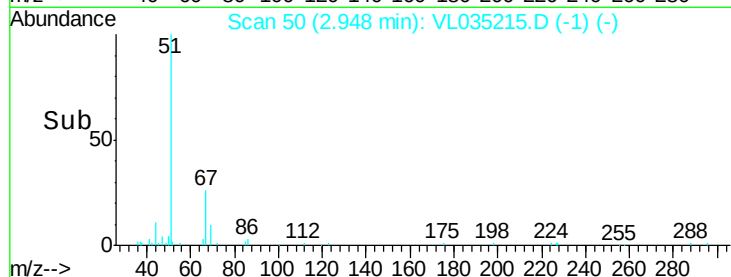
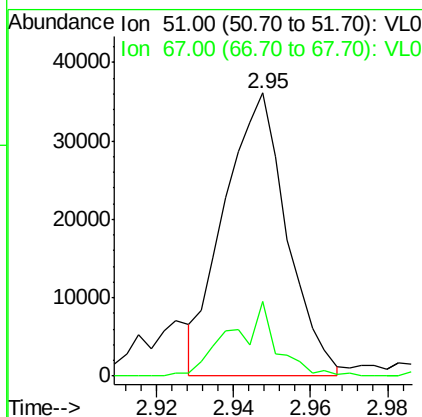
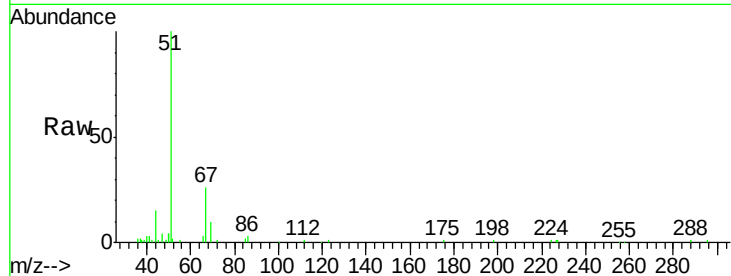
#3
Chlorodifluoromethane
Concen: 0.359 ppbv
RT: 2.95 min Scan# 50
Delta R.T. 0.01 min
Lab File: VL035215.D
Acq: 21 Jul 2020 17:19

Instrument :
MSVOA_L
ClientSampleId :
1ST-FLOOR-EAST-CLASSROOMDU

Tot Ion: 51 Resp: 40719
Ion Ratio Lower Upper
51 100
67 1.2 16.6 24.8#

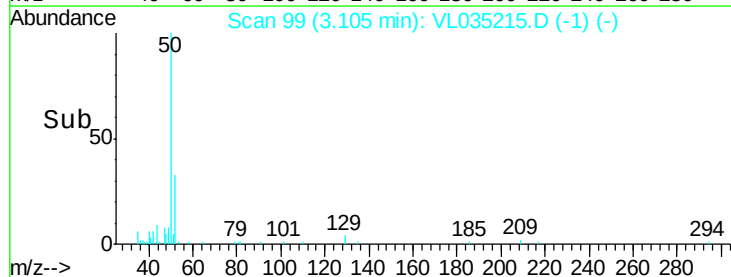
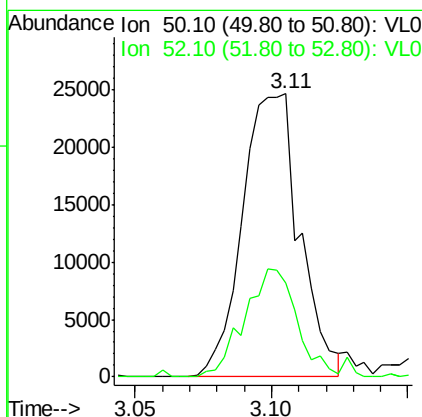
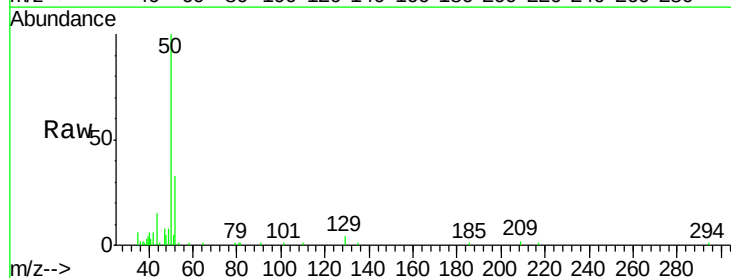
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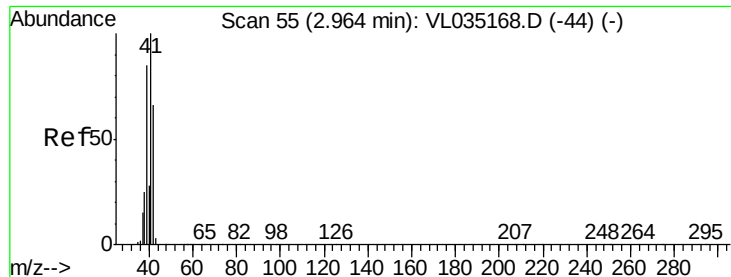
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#4
Chloromethane
Concen: 0.558 ppbv
RT: 3.11 min Scan# 99
Delta R.T. 0.01 min
Lab File: VL035215.D
Acq: 21 Jul 2020 17:19

Tgt Ion: 50 Resp: 35733
Ion Ratio Lower Upper
50 100
52 33.3 25.0 37.6





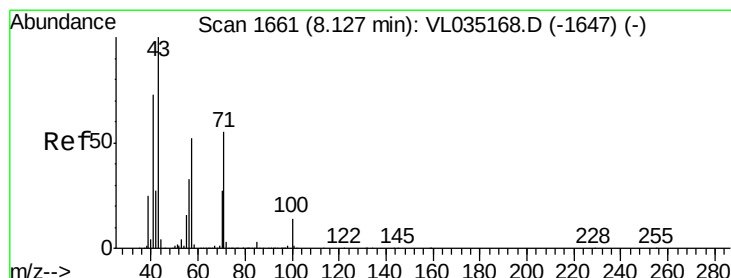
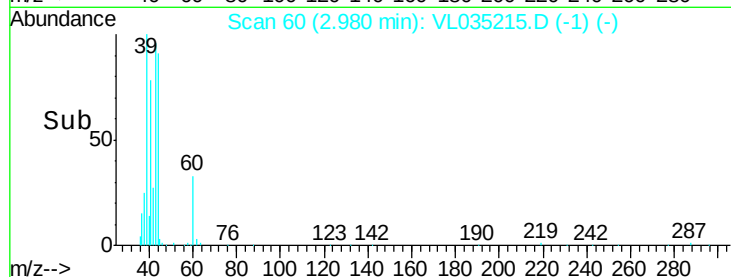
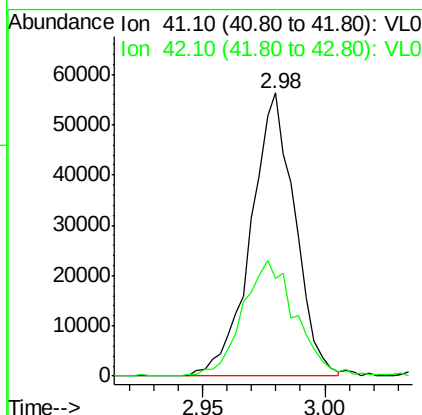
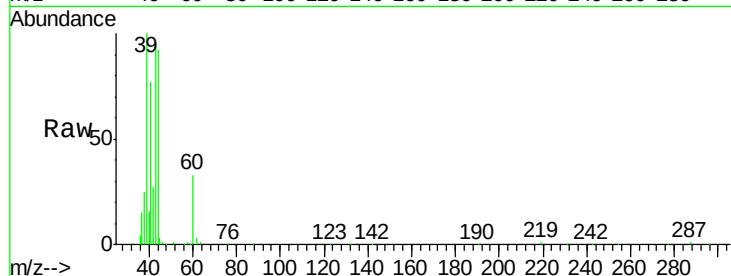
#9
 Propene
 Concen: 1.640 ppbv
 RT: 2.98 min Scan# 60
 Delta R.T. 0.02 min
 Lab File: VL035215.D
 Acq: 21 Jul 2020 17:19

Instrument :
 MSVOA_L
 ClientSampleId :
 1ST-FLOOR-EAST-CLASSROOMDU

Tot Ion: 41 Resp: 70391
 Ion Ratio Lower Upper
 41 100
 42 49.8 54.6 81.8#

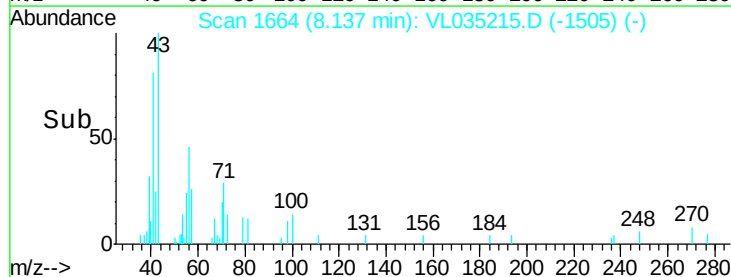
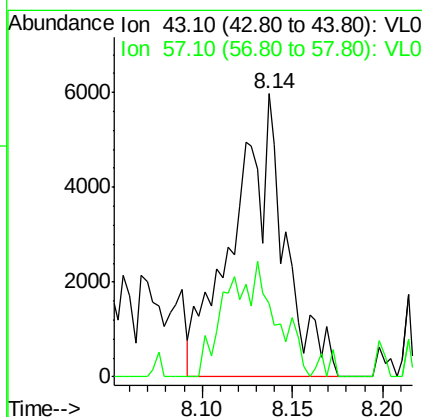
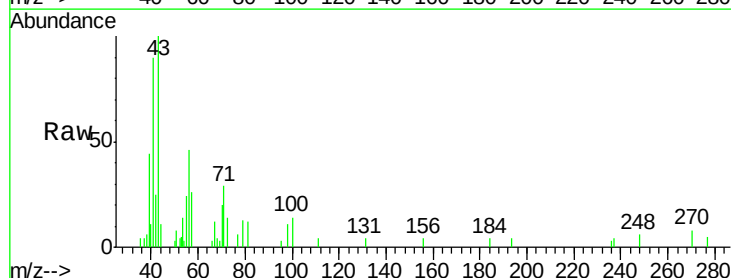
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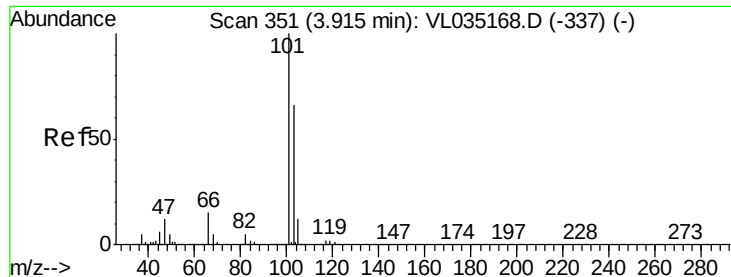
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#10
 Heptane
 Concen: 0.107 ppbv m
 RT: 8.14 min Scan# 1664
 Delta R.T. 0.01 min
 Lab File: VL035215.D
 Acq: 21 Jul 2020 17:19

Tgt Ion: 43 Resp: 11768
 Ion Ratio Lower Upper
 43 100
 57 0.0 41.8 62.6#





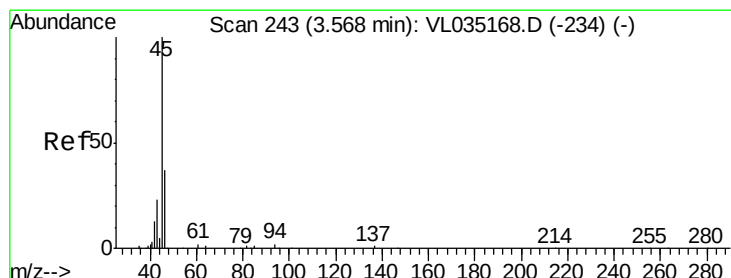
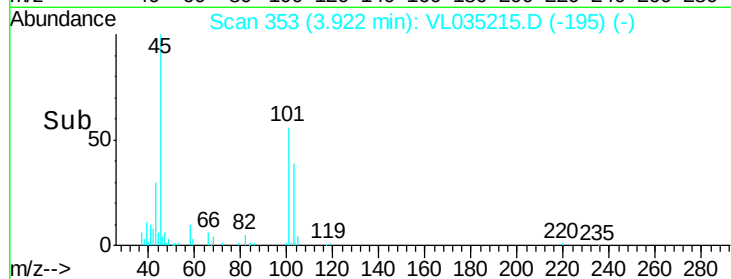
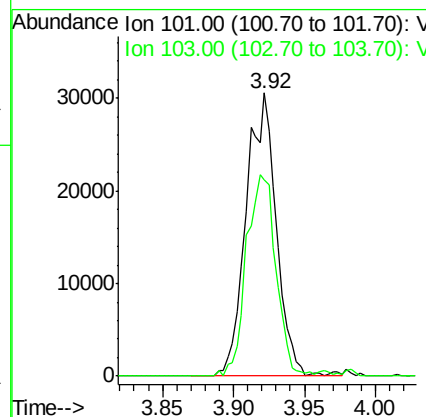
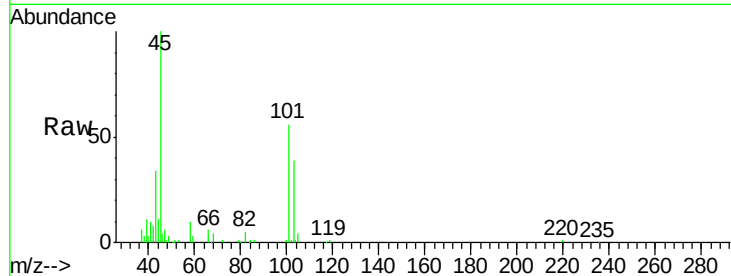
#11
Trichlorofluoromethane
Concen: 0.279 ppbv m
RT: 3.92 min Scan# 353
Delta R.T. 0.01 min
Lab File: VL035215.D
Acq: 21 Jul 2020 17:19

Instrument :
MSVOA_L
ClientSampleId :
1ST-FLOOR-EAST-CLASSROOMDU

Tot Ion	Ratio	Lower	Upper
101	100		
103	69.4	53.1	79.7

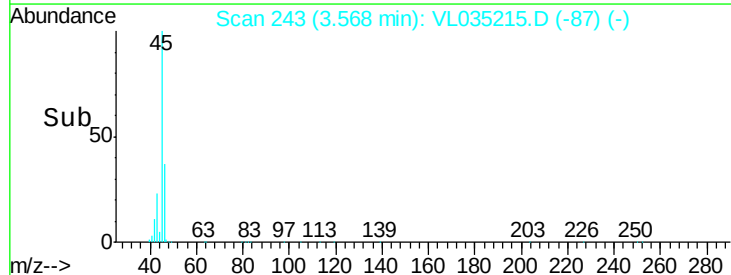
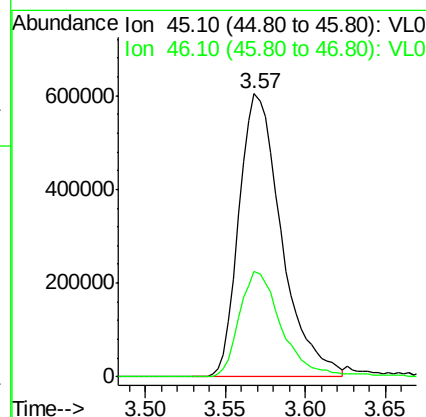
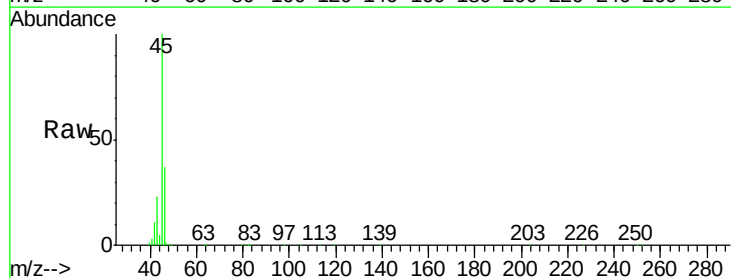
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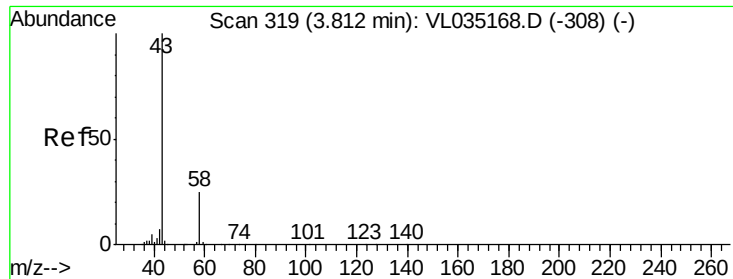
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#13
Ethanol
Concen: 79.951 ppbv
RT: 3.57 min Scan# 243
Delta R.T. 0.00 min
Lab File: VL035215.D
Acq: 21 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
45	100		
46	37.5	16.2	65.0





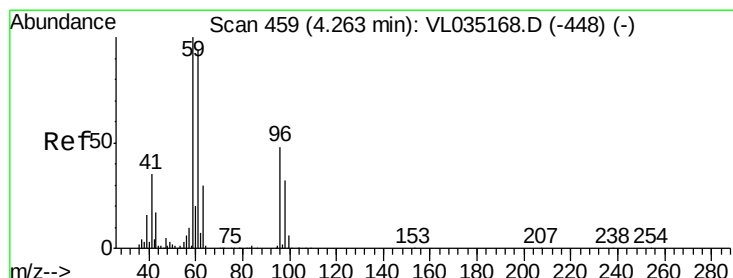
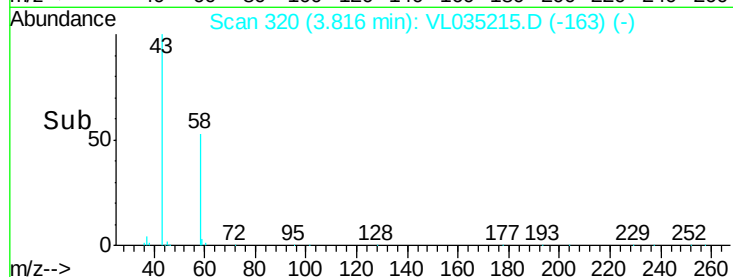
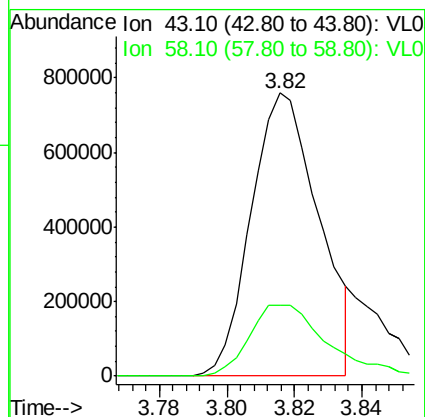
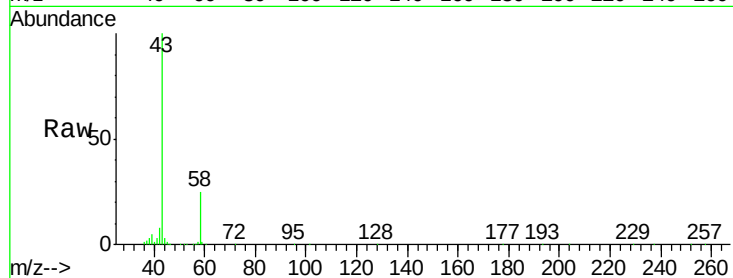
#15
Acetone
Concen: 7.561 ppbv m
RT: 3.82 min Scan# 320
Delta R.T. 0.00 min
Lab File: VL035215.D
Acq: 21 Jul 2020 17:19

Instrument :
MSVOA_L
ClientSampleId :
1ST-FLOOR-EAST-CLASSROOMDU

Tot Ion: 43 Resp: 1052301
Ion Ratio Lower Upper
43 100
58 29.3 21.3 31.9

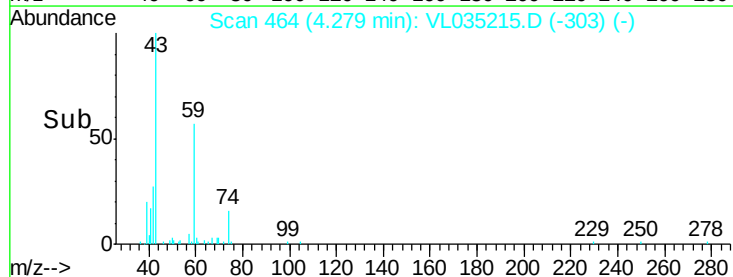
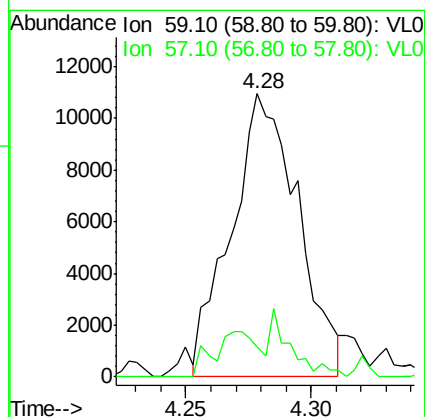
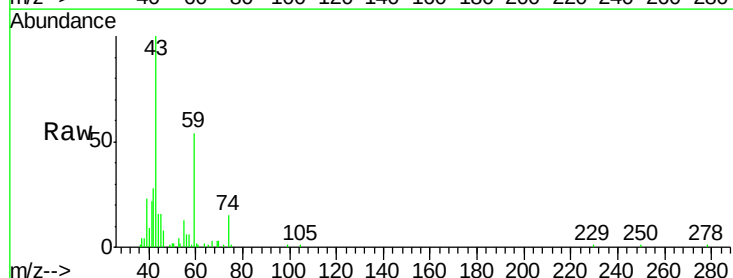
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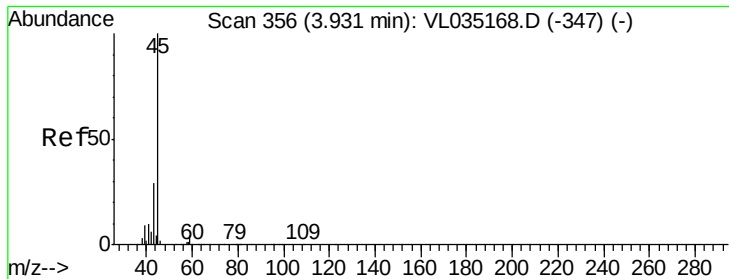
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#17
tert-Butyl alcohol
Concen: 0.165 ppbv m
RT: 4.28 min Scan# 464
Delta R.T. 0.02 min
Lab File: VL035215.D
Acq: 21 Jul 2020 17:19

Tgt Ion: 59 Resp: 20374
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#19

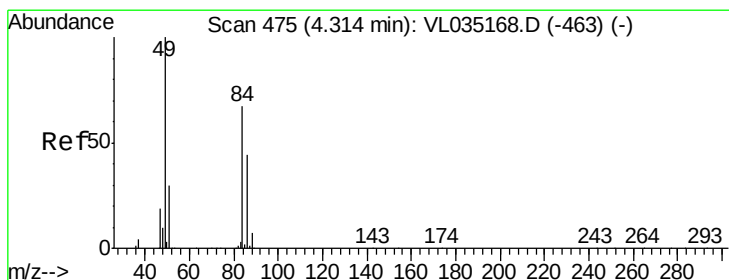
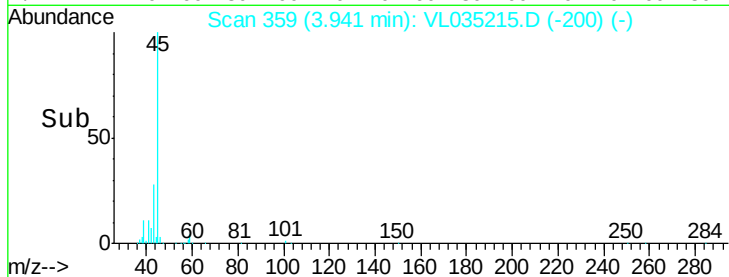
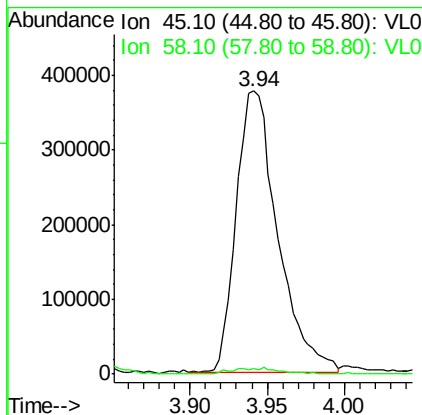
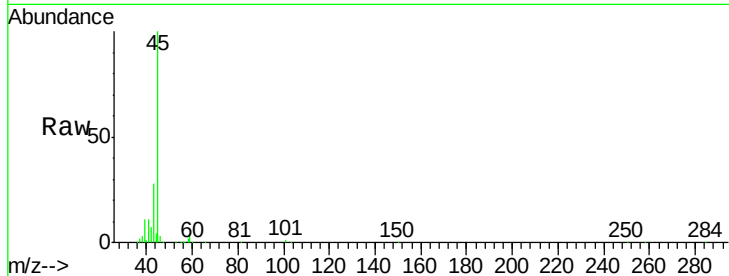
Isopropyl Alcohol
 Concen: 8.436 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. 0.01 min
 Lab File: VL035215.D
 Acq: 21 Jul 2020 17:19

Instrument :
 MSVOA_L
 ClientSampleId :
 1ST-FLOOR-EAST-CLASSROOMDU

Tot Ion	45	Resp	708307
Ion Ratio	100	Lower	Upper
45	100		
58	2.5	2.1	3.1

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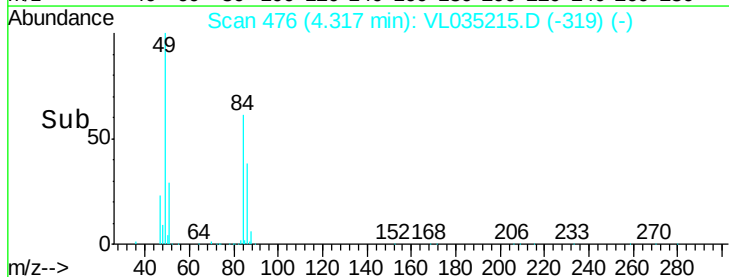
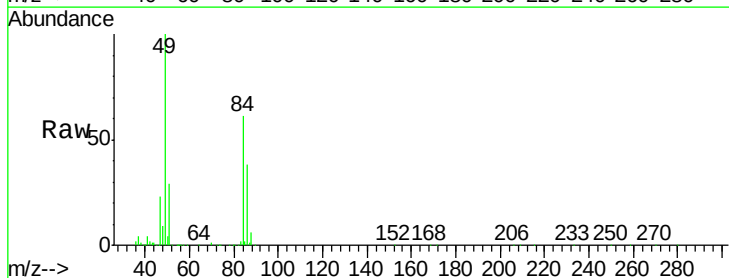
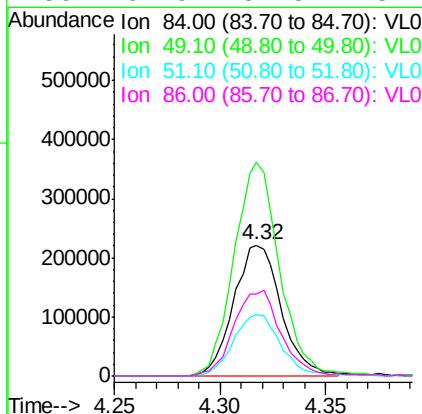
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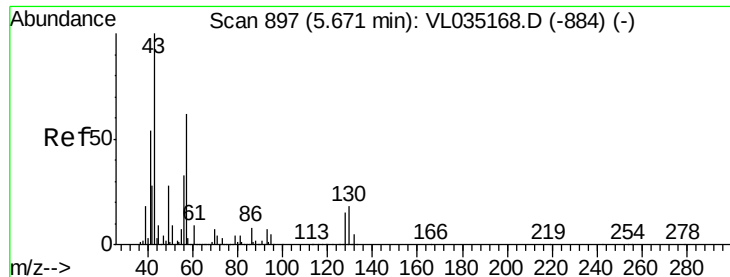


#20

Methylene Chloride
 Concen: 5.691 ppbv
 RT: 4.32 min Scan# 476
 Delta R.T. 0.00 min
 Lab File: VL035215.D
 Acq: 21 Jul 2020 17:19

Tgt Ion	84	Resp	344640
Ion Ratio	100	Lower	Upper
84	100		
49	163.4	119.4	179.0
51	46.5	36.6	55.0
86	62.9	52.5	78.7





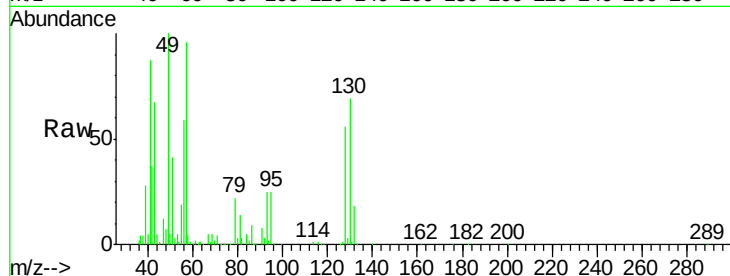
#26
Hexane
Concen: 1.535 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL035215.D
Acq: 21 Jul 2020 17:19

Instrument :
MSVOA_L
ClientSampleId :
1ST-FLOOR-EAST-CLASSROOMDU

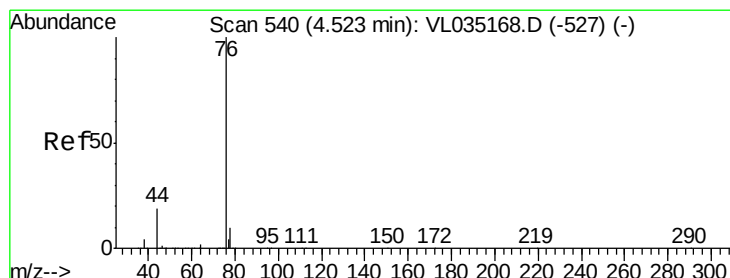
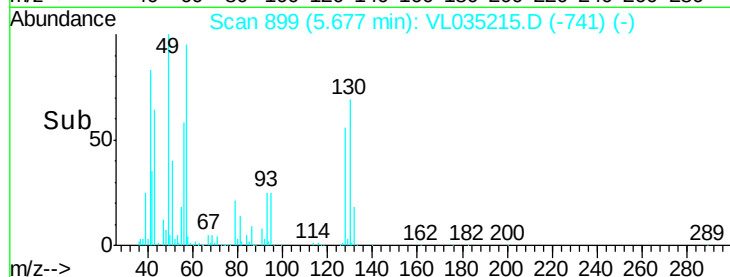
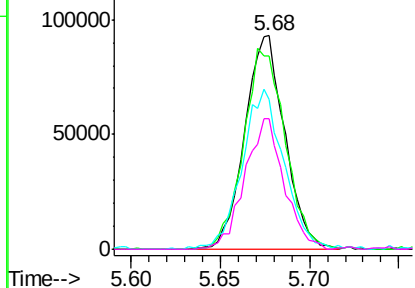
Tot Ion	Ratio	Lower	Upper
57	100		
41	98.4	72.9	109.3
43	79.4	179.5	269.3#
56	60.1	42.9	64.3

Manual Integrations
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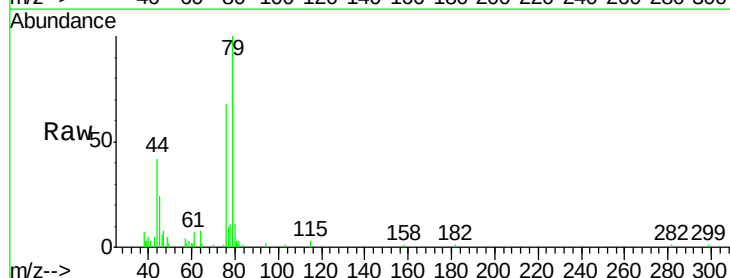


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

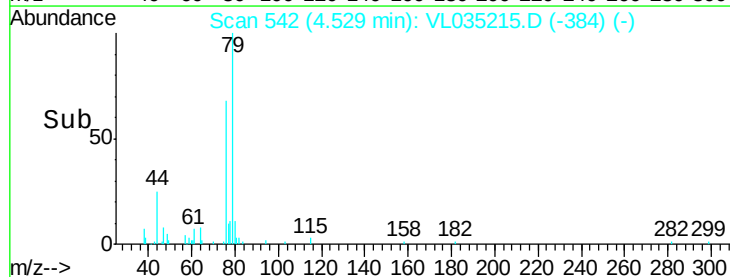
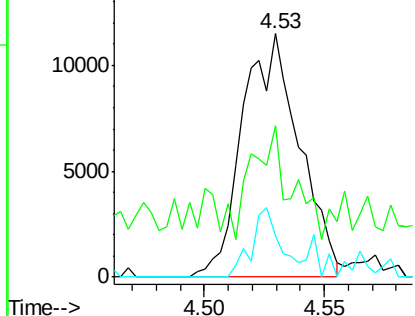


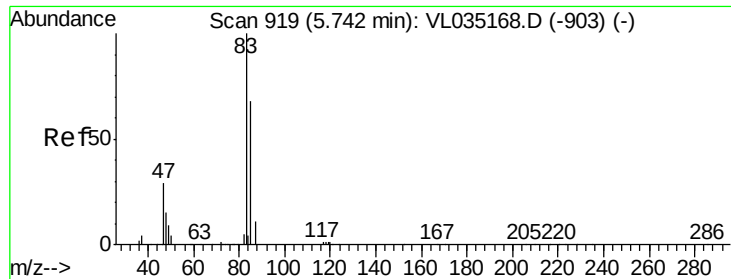
#27
Carbon Disulfide
Concen: 0.141 ppbv m
RT: 4.53 min Scan# 542
Delta R.T. 0.01 min
Lab File: VL035215.D
Acq: 21 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
76	100		
44	37.1	14.9	22.3#
78	22.5	7.5	11.3#



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0





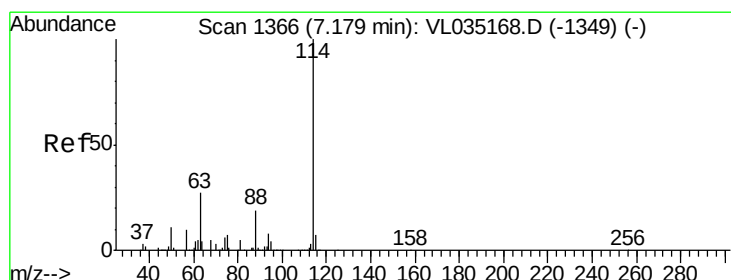
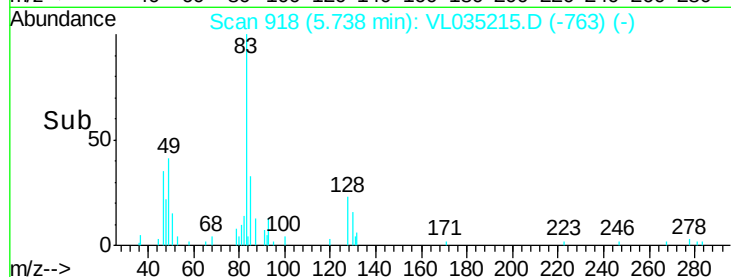
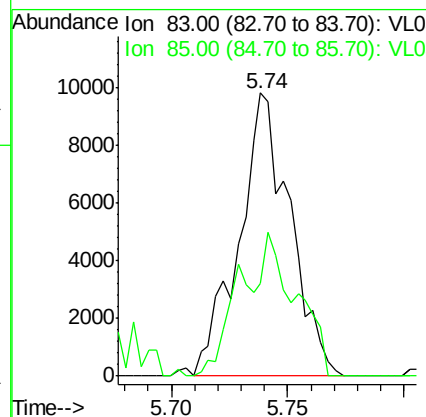
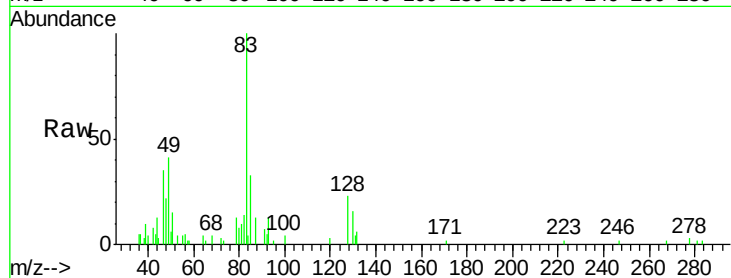
#29
Chloroform
Concen: 0.094 ppbv m
RT: 5.74 min Scan# 918
Delta R.T. -0.00 min
Lab File: VL035215.D
Acq: 21 Jul 2020 17:19

Instrument :
MSVOA_L
ClientSampleId :
1ST-FLOOR-EAST-CLASSROOMDU

Tot Ion: 83 Resp: 15009
Ion Ratio Lower Upper
83 100
85 32.7 54.3 81.5#

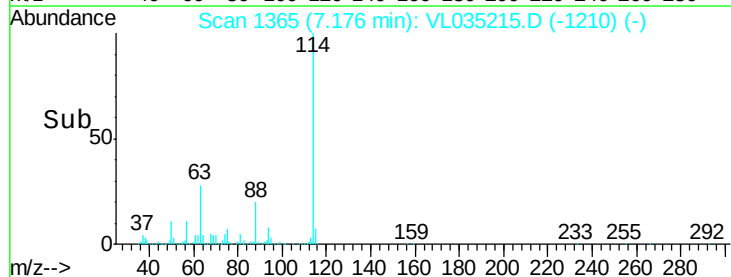
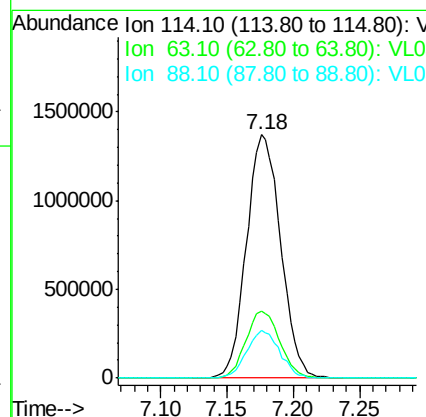
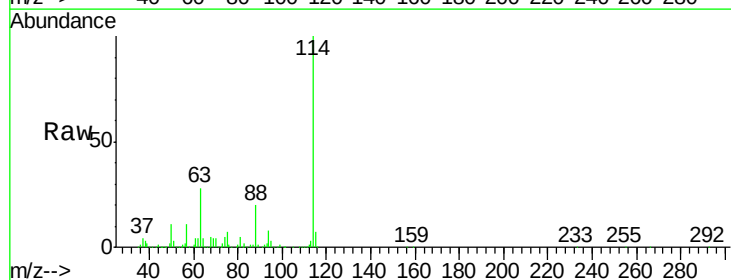
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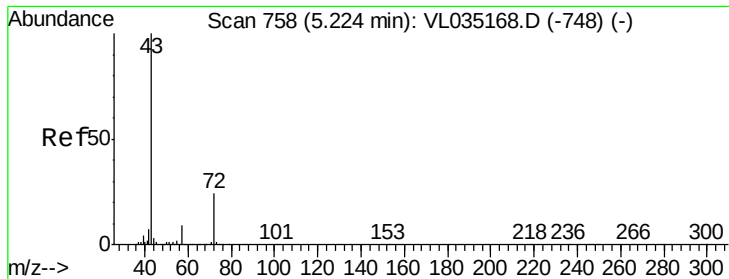
MMDadoda
7/23/2020 2:59:30 PM



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VL035215.D
Acq: 21 Jul 2020 17:19

Tgt Ion: 114 Resp: 2457865
Ion Ratio Lower Upper
114 100
63 27.4 22.0 33.0
88 19.1 15.4 23.0





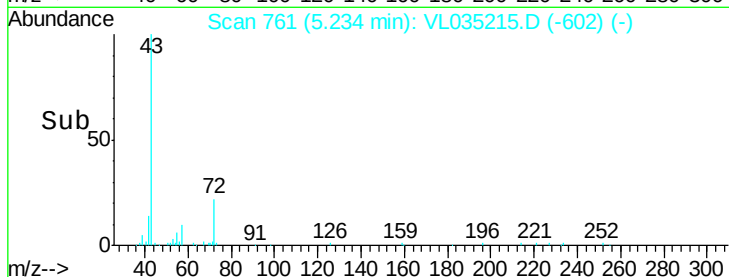
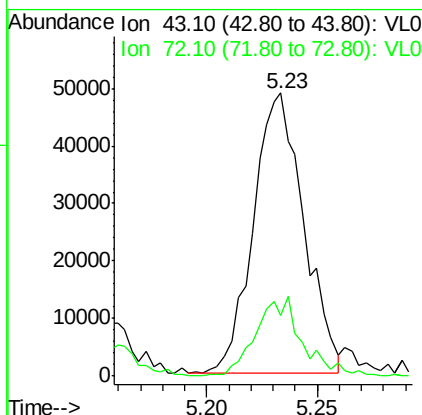
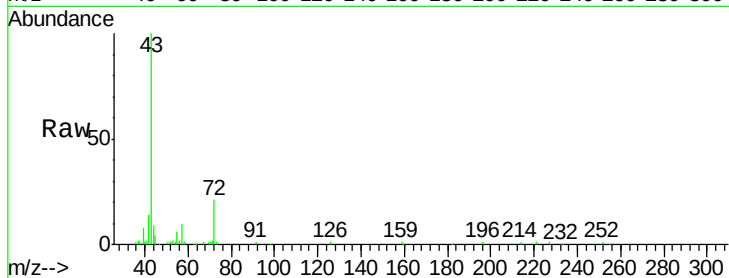
#34
2-Butanone
Concen: 0.588 ppbv
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VL035215.D
Acq: 21 Jul 2020 17:19

Instrument :
MSVOA_L
ClientSampleId :
1ST-FLOOR-EAST-CLASSROOMDU

Tot Ion: 43 Resp: 77132
Ion Ratio Lower Upper
43 100
72 26.2 18.6 28.0

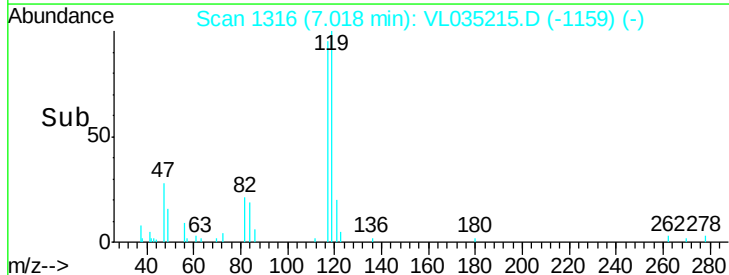
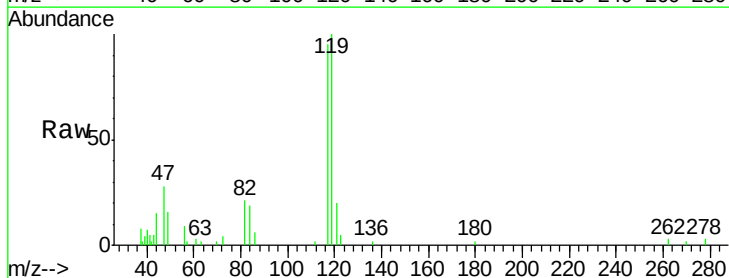
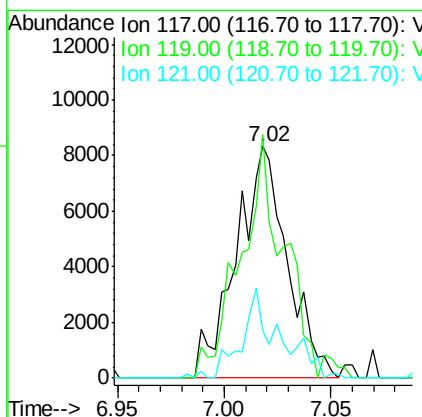
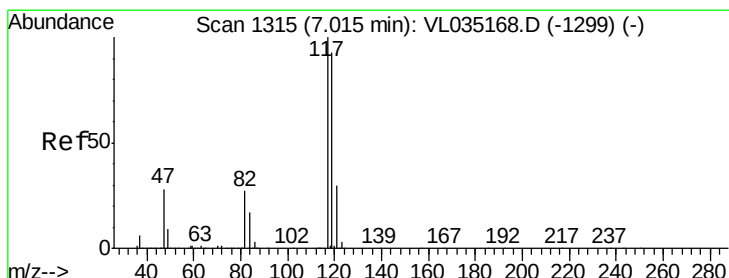
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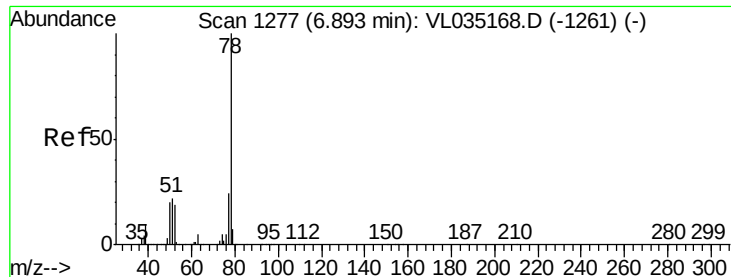
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#35
Carbon Tetrachloride
Concen: 0.087 ppbv m
RT: 7.02 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VL035215.D
Acq: 21 Jul 2020 17:19

Tgt Ion: 117 Resp: 13902
Ion Ratio Lower Upper
117 100
119 105.1 74.8 112.2
121 20.5 24.2 36.2#





#36

Benzene

Concen: 0.177 ppbv m

RT: 6.89 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VL035215.D

Acq: 21 Jul 2020 17:19

Instrument :

MSVOA_L

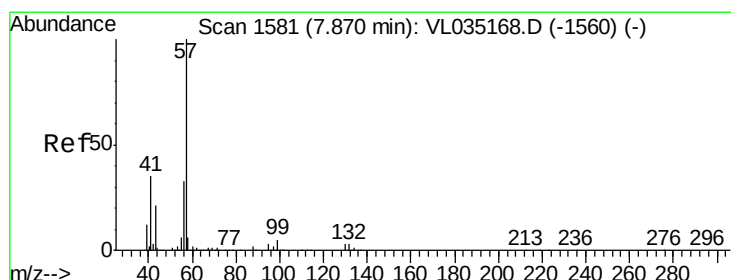
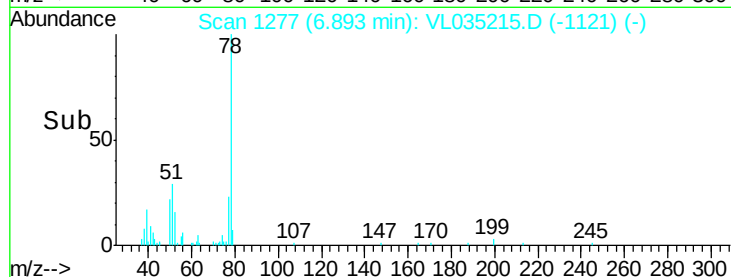
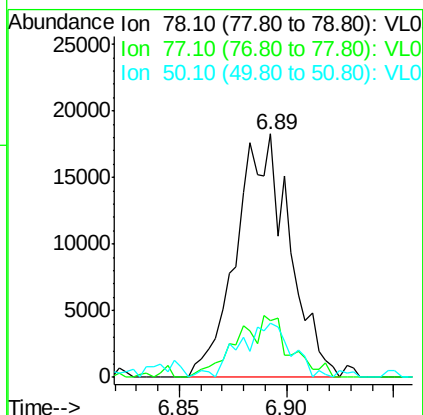
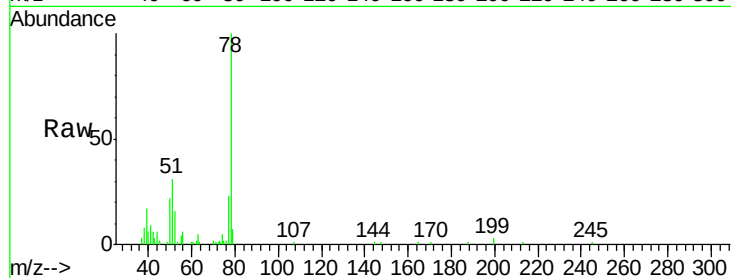
ClientSampleId :

1ST-FLOOR-EAST-CLASSROOMDU

Tot Ion:	78	Resp:	31481
Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.3	28.9
50	22.2	16.0	24.0

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#44

2,2,4-Trimethylpentane

Concen: 0.146 ppbv m

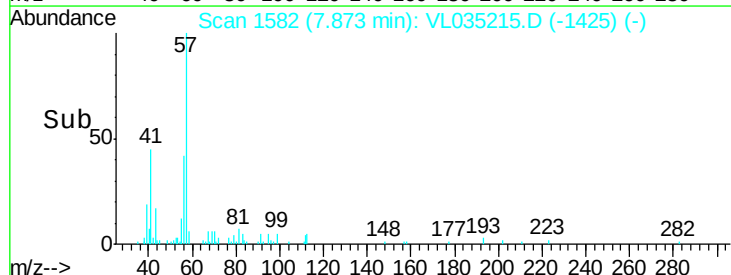
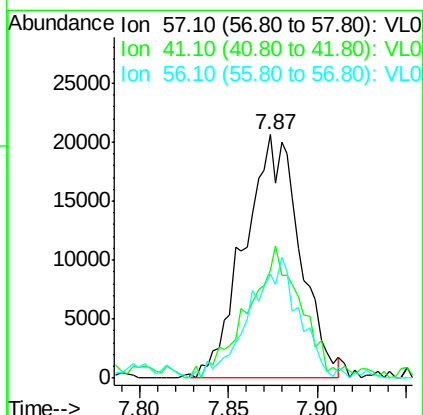
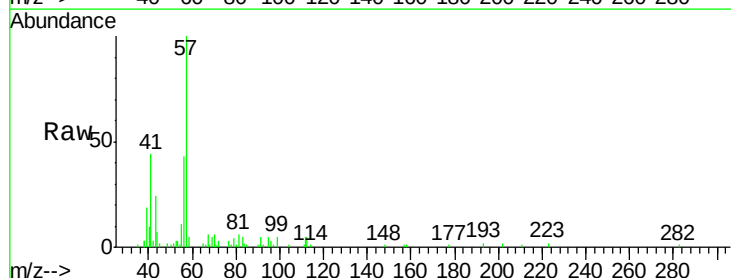
RT: 7.87 min Scan# 1582

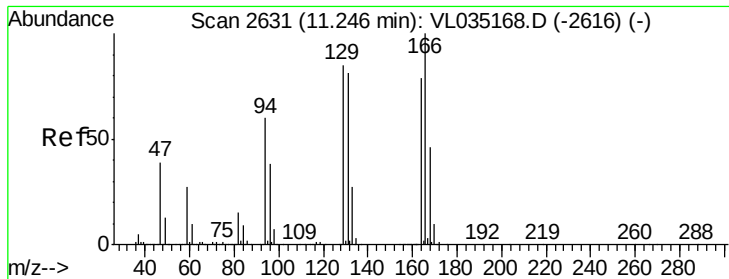
Delta R.T. 0.00 min

Lab File: VL035215.D

Acq: 21 Jul 2020 17:19

Tgt Ion:	57	Resp:	44797
Ion	Ratio	Lower	Upper
57	100		
41	53.5	27.0	40.6#
56	0.0	25.5	38.3#





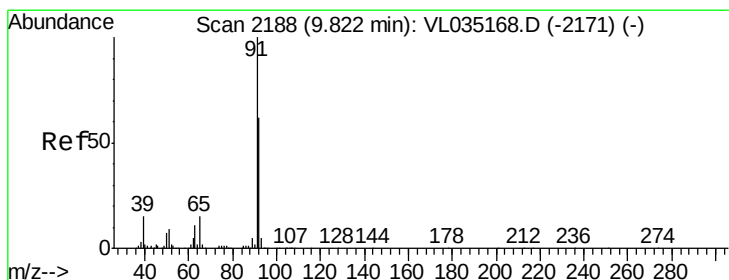
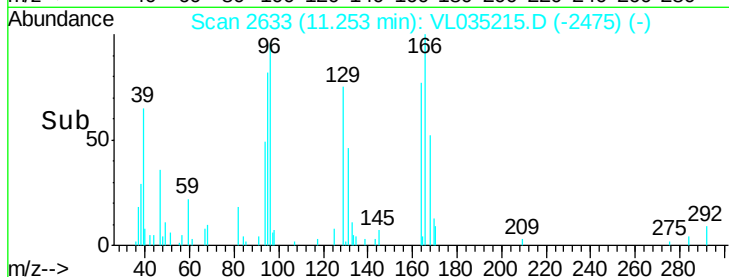
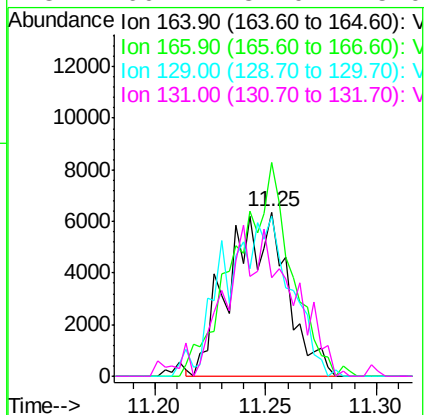
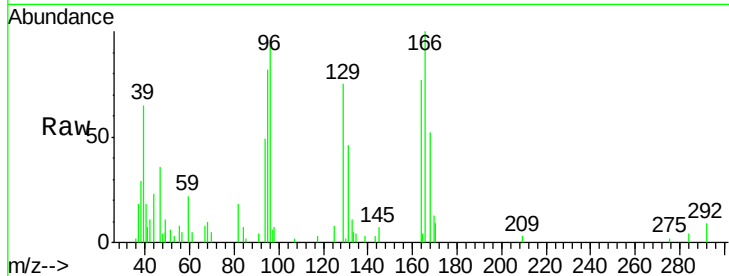
#52
Tetrachloroethene
Concen: 0.172 ppbv m
RT: 11.25 min Scan# 2633
Delta R.T. 0.01 min
Lab File: VL035215.D
Acq: 21 Jul 2020 17:19

Instrument :
MSVOA_L
ClientSampleId :
1ST-FLOOR-EAST-CLASSROOMDU

Tot Ion	Ratio	Lower	Upper
164	100		
166	130.0	100.7	151.1
129	97.3	85.8	128.6
131	60.2	82.0	123.0#

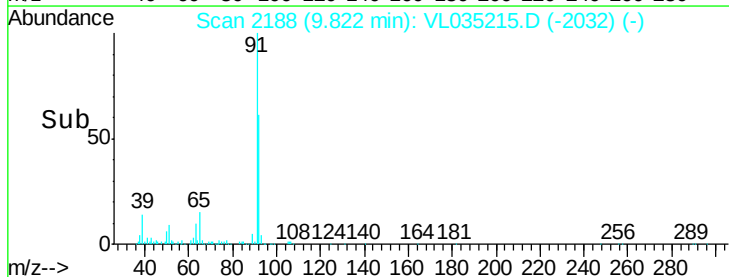
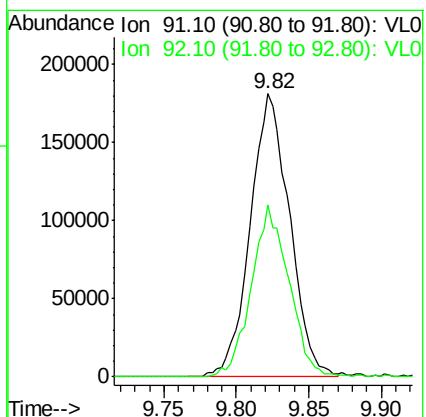
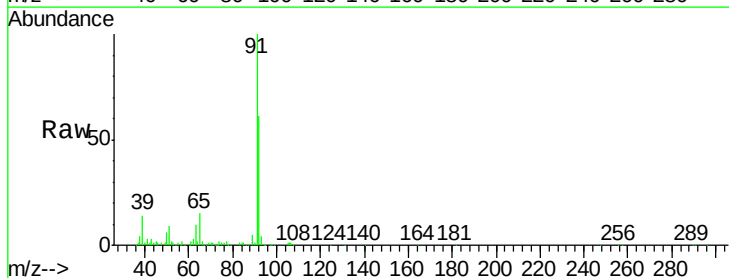
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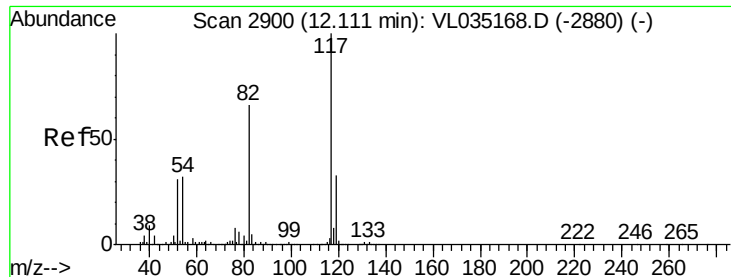
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#53
Toluene
Concen: 1.829 ppbv
RT: 9.82 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VL035215.D
Acq: 21 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.2	48.4	72.6





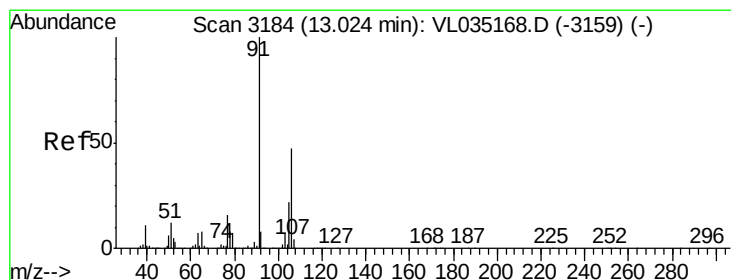
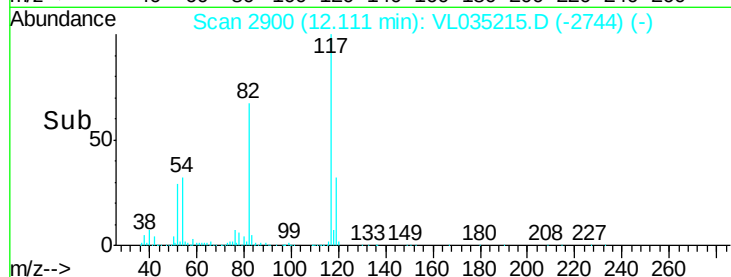
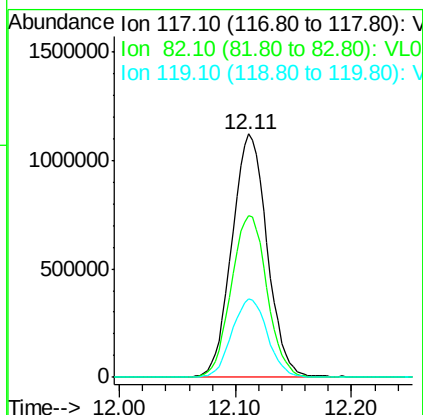
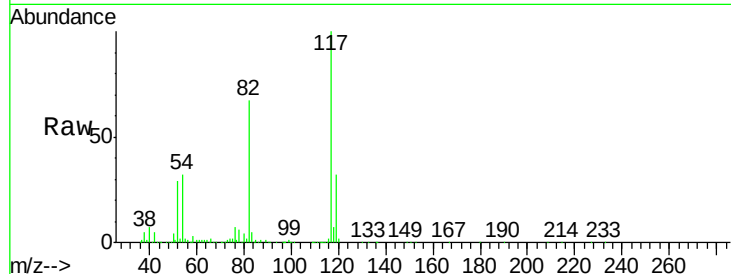
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL035215.D
Acq: 21 Jul 2020 17:19

Instrument :
MSVOA_L
ClientSampleId :
1ST-FLOOR-EAST-CLASSROOMDU

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.3	52.3	78.5
119	32.6	24.9	37.3

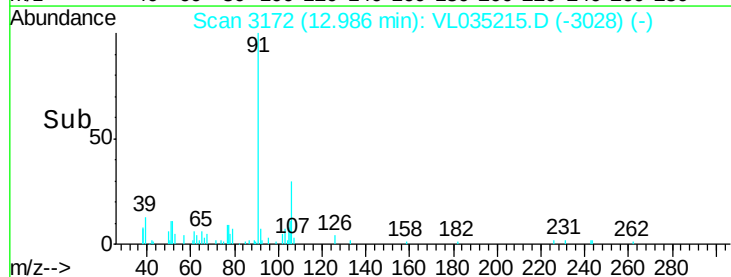
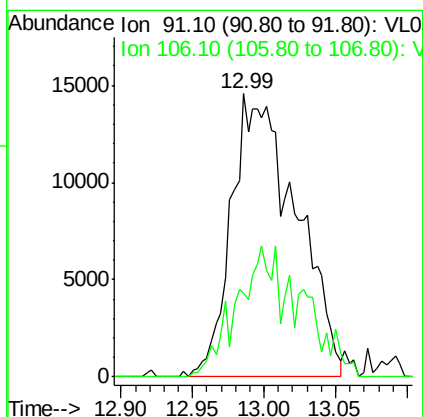
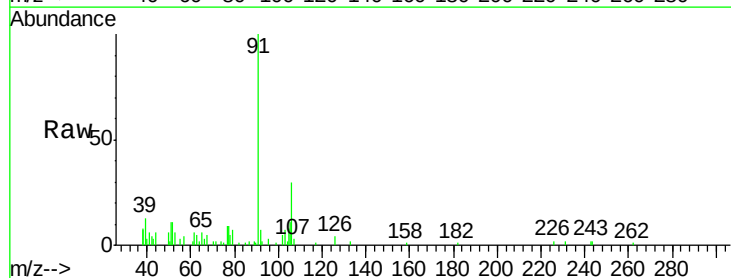
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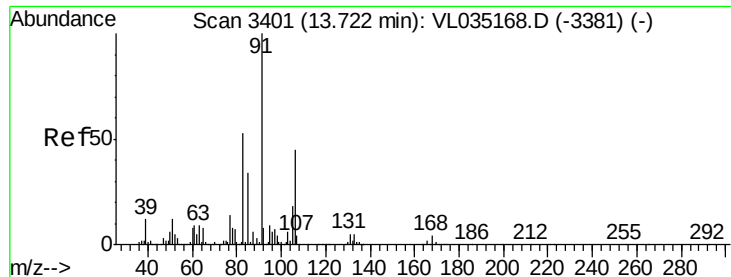
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#59
m/p-Xylene
Concen: 0.196 ppbv m
RT: 12.99 min Scan# 3172
Delta R.T. -0.04 min
Lab File: VL035215.D
Acq: 21 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.2	54.2#





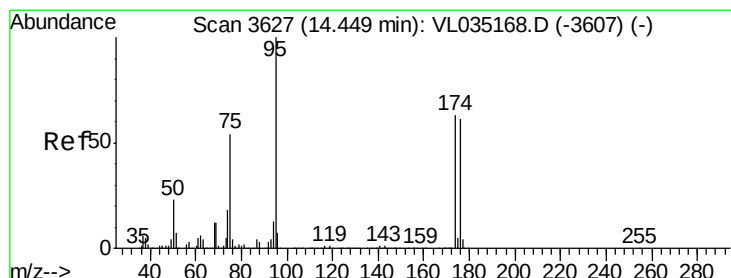
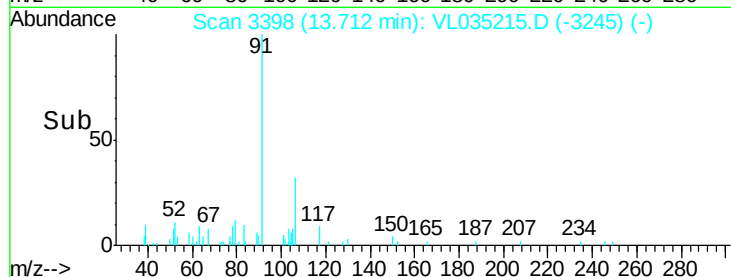
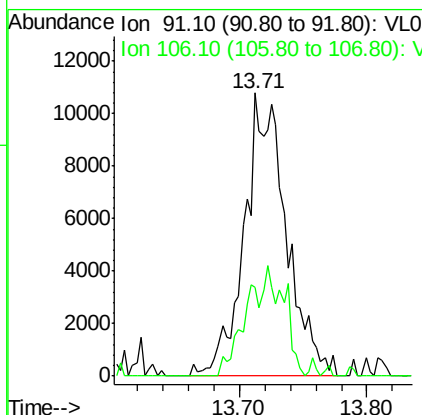
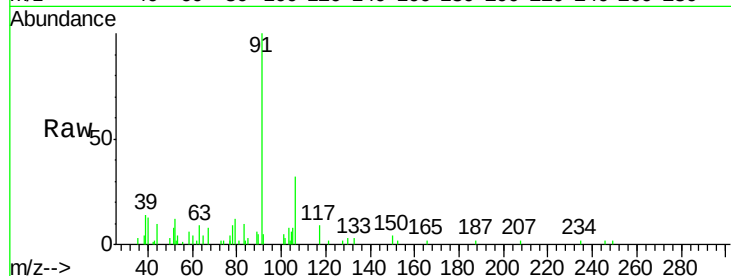
#60
o-Xylene
Concen: 0.107 ppbv m
RT: 13.71 min Scan# 3398
Delta R.T. -0.01 min
Lab File: VL035215.D
Acq: 21 Jul 2020 17:19

Instrument :
MSVOA_L
ClientSampleId :
1ST-FLOOR-EAST-CLASSROOMDU

Tot Ion: 91 Resp: 24675
Ion Ratio Lower Upper
91 100
106 35.7 22.1 66.3

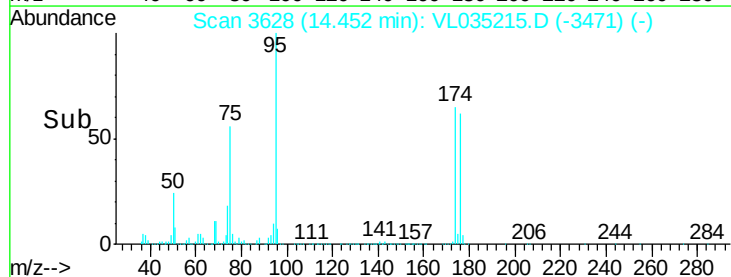
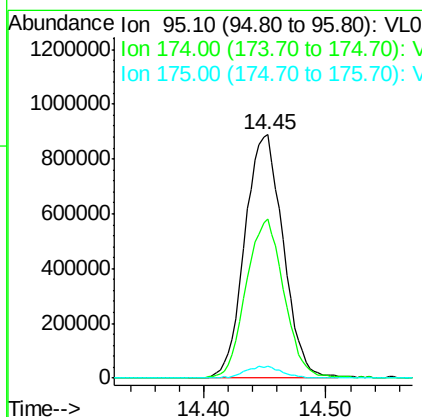
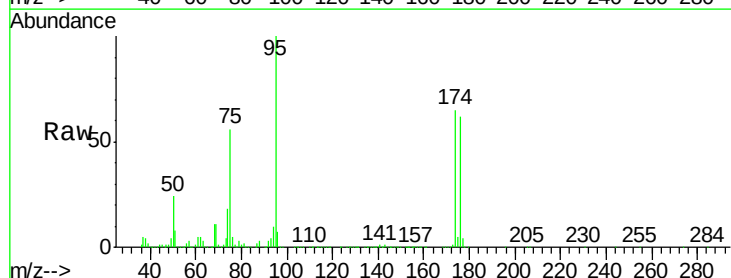
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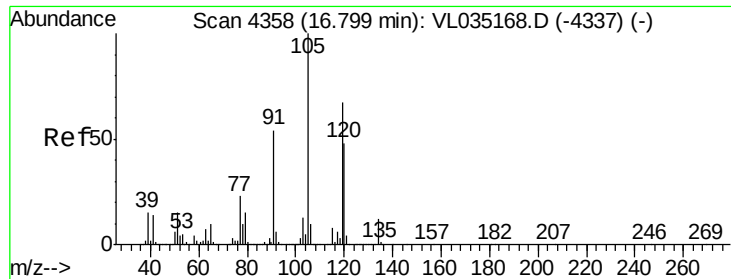
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.071 ppbv
RT: 14.45 min Scan# 3628
Delta R.T. 0.00 min
Lab File: VL035215.D
Acq: 21 Jul 2020 17:19

Tgt Ion: 95 Resp: 1927862
Ion Ratio Lower Upper
95 100
174 64.8 52.2 78.2
175 4.8 4.0 6.0





#74
 1,2,4-Trimethylbenzene
 Concen: 0.196 ppbv
 RT: 16.80 min Scan# 4358
 Delta R.T. 0.00 min
 Lab File: VL035215.D
 Acq: 21 Jul 2020 17:19

Instrument :
 MSVOA_L
 ClientSampleId :
 1ST-FLOOR-EAST-CLASSROOMDU

Tot Ion:	105	Resp:	54482
Ion Ratio	Lower	Upper	
105	100		
120	37.0	38.6	57.8#
91	17.2	43.6	65.4#
77	19.8	18.3	27.5

Manual Integrations
 APPROVED

MMDadoda
 7/23/2020 2:59:30 PM

