

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061721\
 Data File : VL037210.D
 Acq On : 17 Jun 2021 20:39
 Operator : SY/AP
 Sample : M2742-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

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Quant Time: Jun 18 03:00:29 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 17 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1422037	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4322768	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3690190	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2836864m	10.15	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	22719m	0.257	ppbv	
10) Heptane	8.12	43	187276	0.875	ppbv	95
13) Ethanol	3.63	45	22536m	1.648	ppbv	
15) Acetone	3.87	43	793372	4.947	ppbv #	83
20) Methylene Chloride	4.35	84	40131	0.418	ppbv	87
26) Hexane	5.69	57	643317	3.666	ppbv #	47
27) Carbon Disulfide	4.56	76	57316	0.333	ppbv #	72
52) Tetrachloroethene	11.22	164	84540	0.520	ppbv	97
53) Toluene	9.80	91	50496m	0.121	ppbv	
59) m/p-Xylene	12.96	91	47108m	0.109	ppbv	
74) 1,2,4-Trimethylbenzene	16.76	105	63653m	0.137	ppbv	

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

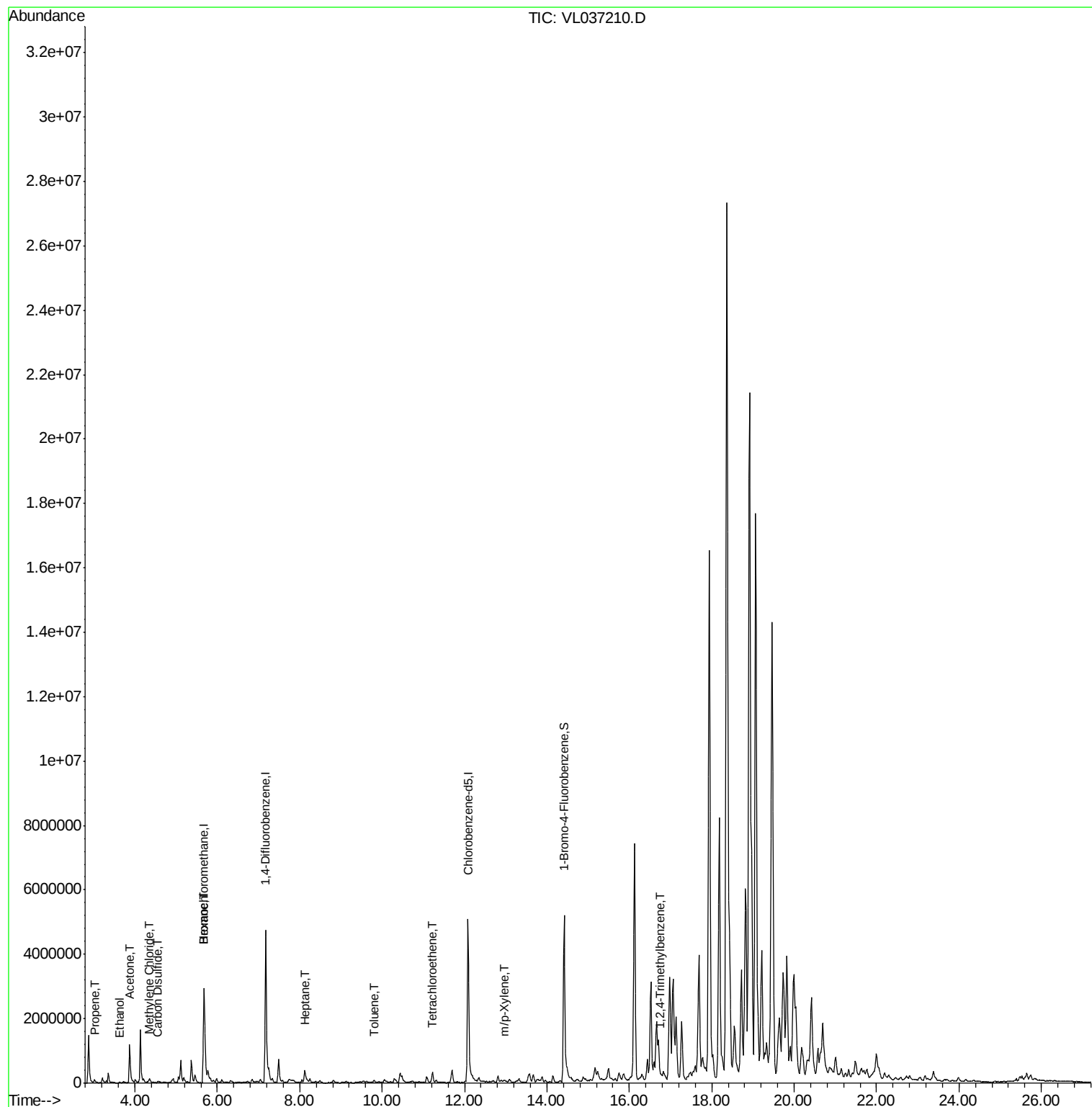
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061721\
Data File : VL037210.D
Acq On : 17 Jun 2021 20:39
Operator : SY/AP
Sample : M2742-02DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

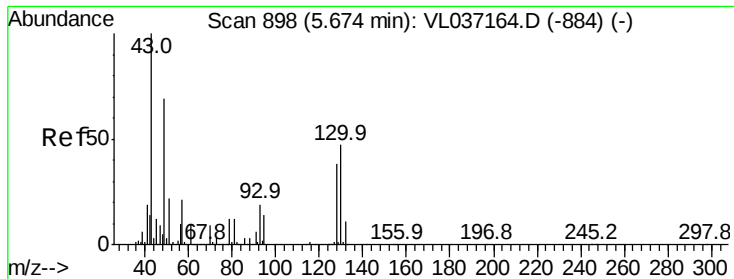
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

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Quant Time: Jun 18 03:00:29 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun
QLast Update : Wed Jun 16 14:06:32 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL037210.D

Acq: 17 Jun 2021 20:39

Instrument :

MSVOA_L

ClientSampleID :

SV1DL

Tot Ion: 49 Resp: 1422037

Ion Ratio Lower Upper

49 100

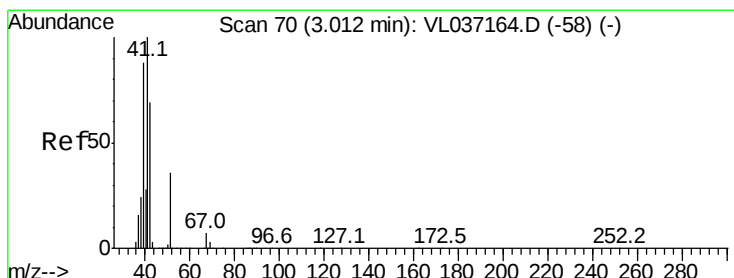
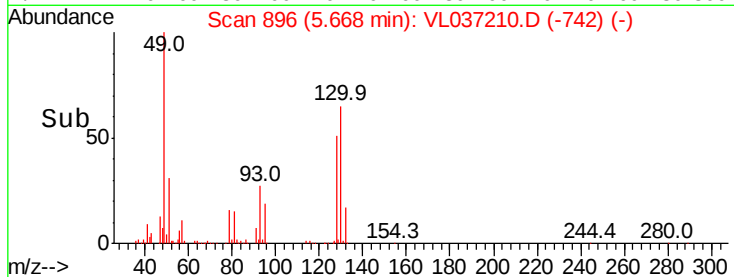
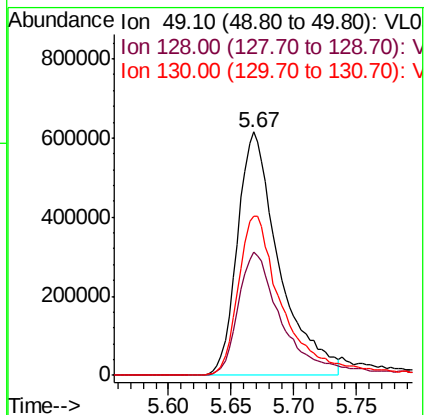
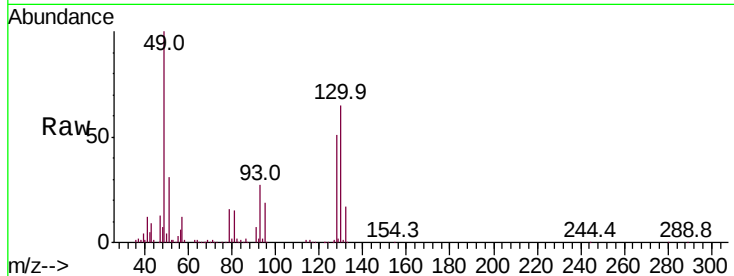
128 56.6 29.3 88.0

130 73.7 35.9 107.8

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#9

Propene

Concen: 0.257 ppbv m

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL037210.D

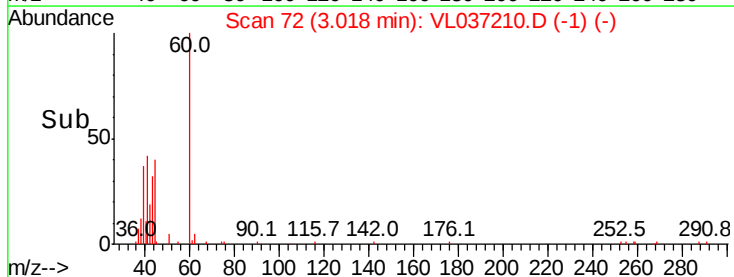
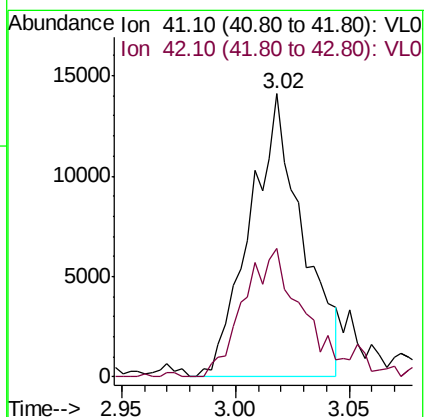
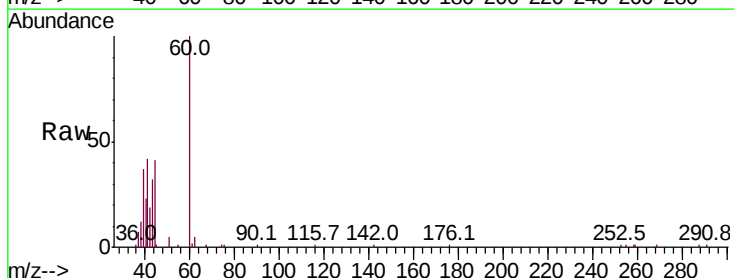
Acq: 17 Jun 2021 20:39

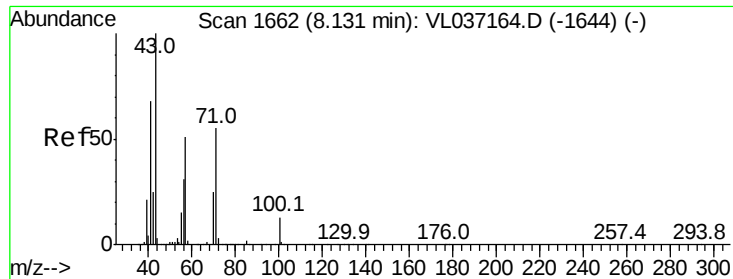
Tgt Ion: 41 Resp: 22719

Ion Ratio Lower Upper

41 100

42 0.0 54.5 81.7#





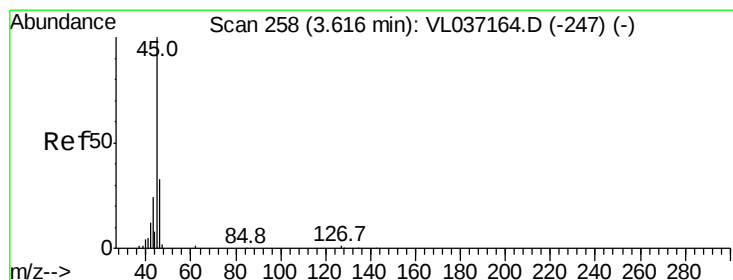
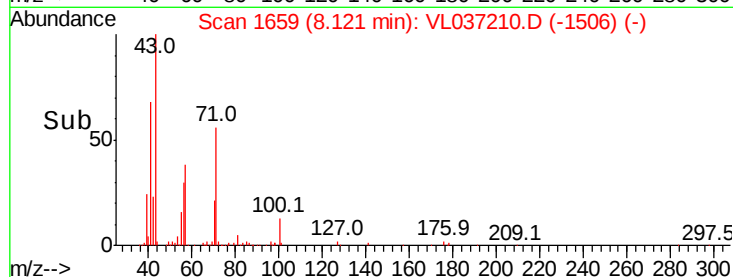
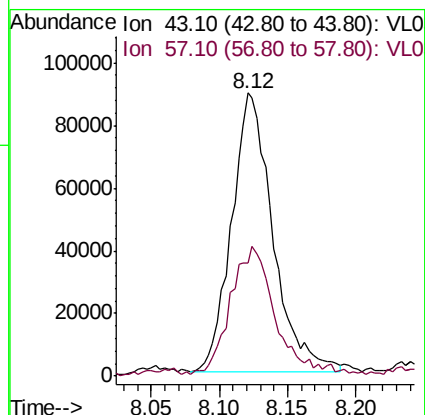
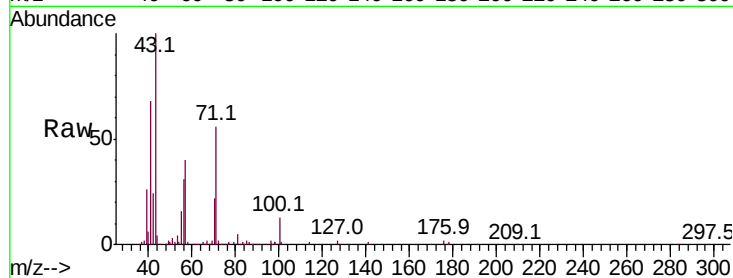
#10
Heptane
Concen: 0.875 ppbv
RT: 8.12 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VL037210.D
Acq: 17 Jun 2021 20:39

Instrument :
MSVOA_L
ClientSampled :
SV1DL

Tot Ion: 43 Resp: 187276
Ion Ratio Lower Upper
43 100
57 54.4 40.6 61.0

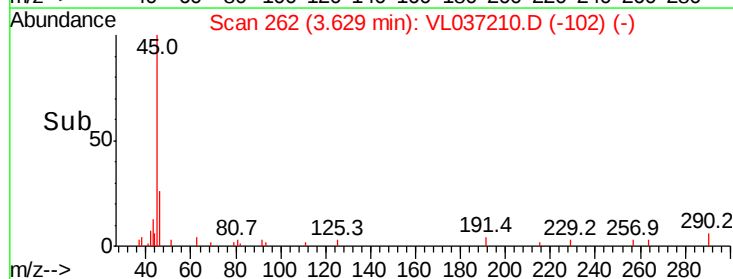
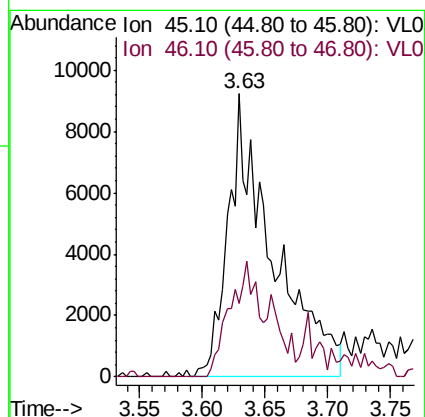
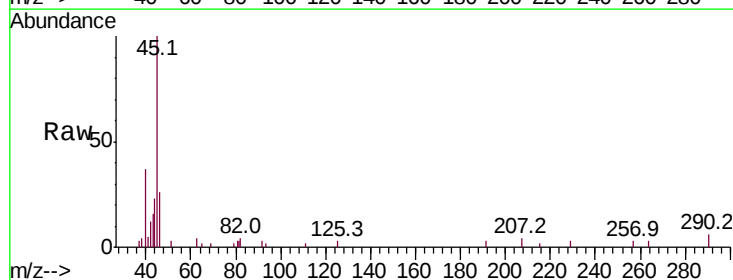
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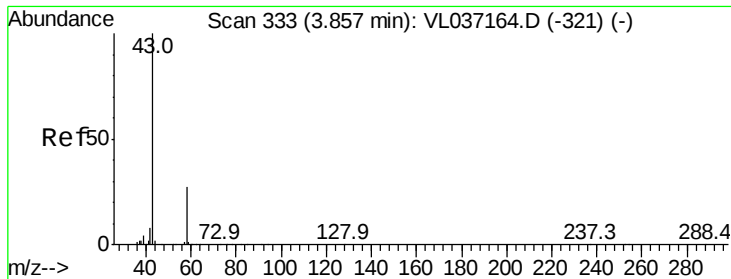
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#13
Ethanol
Concen: 1.648 ppbv m
RT: 3.63 min Scan# 262
Delta R.T. 0.01 min
Lab File: VL037210.D
Acq: 17 Jun 2021 20:39

Tgt Ion: 45 Resp: 22536
Ion Ratio Lower Upper
45 100
46 0.0 34.2 137.0#





#15

Acetone

Concen: 4.947 ppbv

RT: 3.87 min Scan# 337

Delta R.T. 0.01 min

Lab File: VL037210.D

Acq: 17 Jun 2021 20:39

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tot Ion: 43 Resp: 793372

Ion Ratio Lower Upper

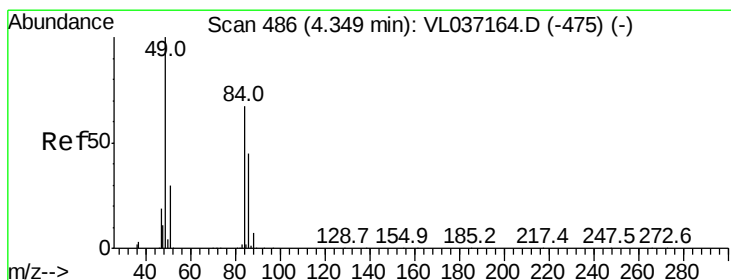
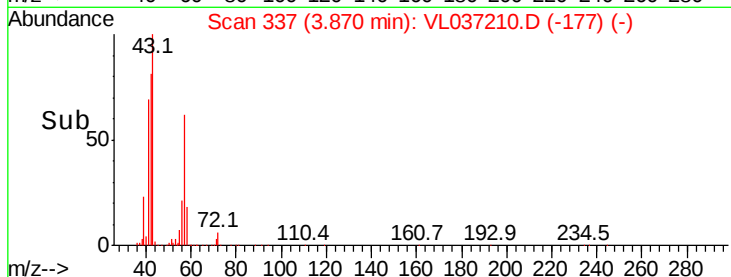
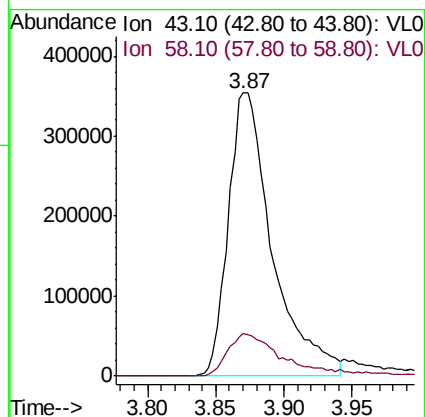
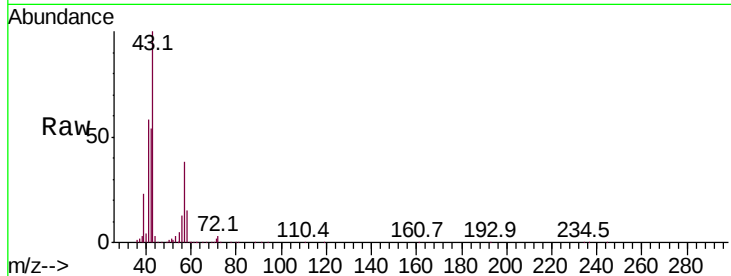
43 100

58 20.3 23.7 35.5#

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#20

Methylene Chloride

Concen: 0.418 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.00 min

Lab File: VL037210.D

Acq: 17 Jun 2021 20:39

Tgt Ion: 84 Resp: 40131

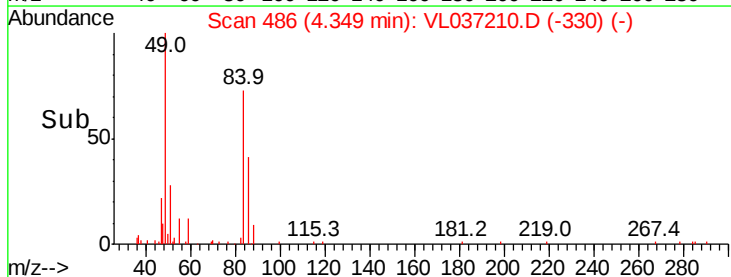
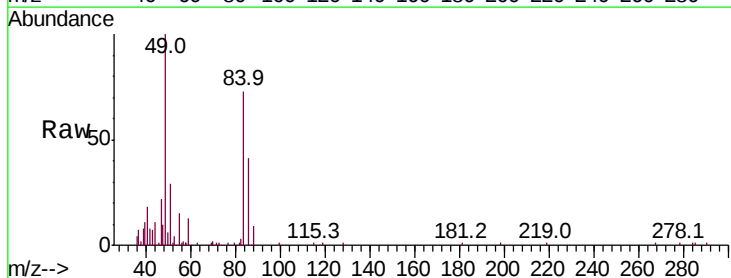
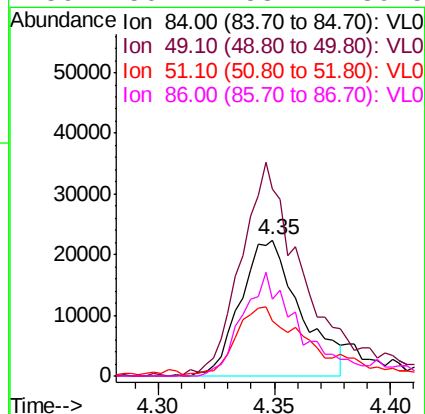
Ion Ratio Lower Upper

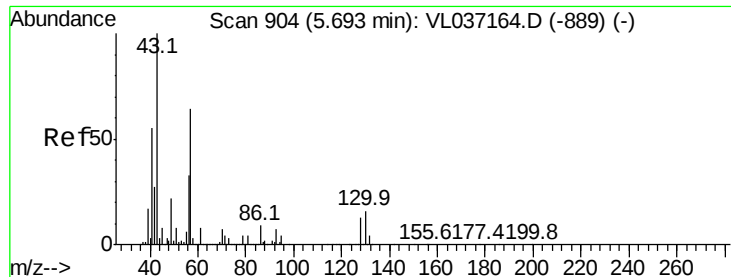
84 100

49 132.9 119.7 179.5

51 37.9 36.1 54.1

86 56.1 53.7 80.5





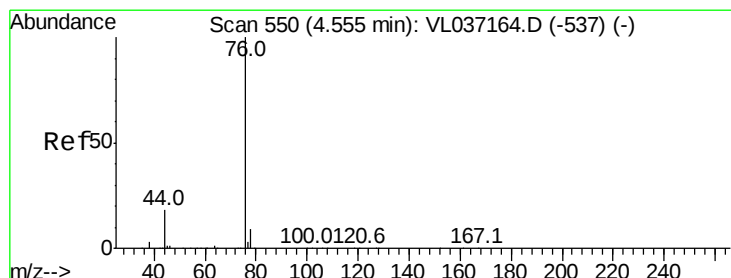
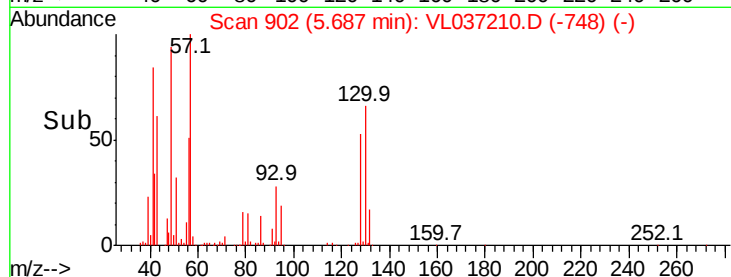
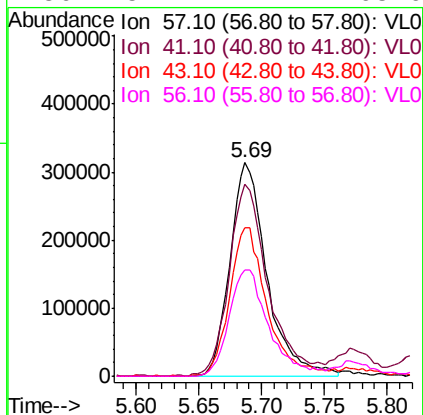
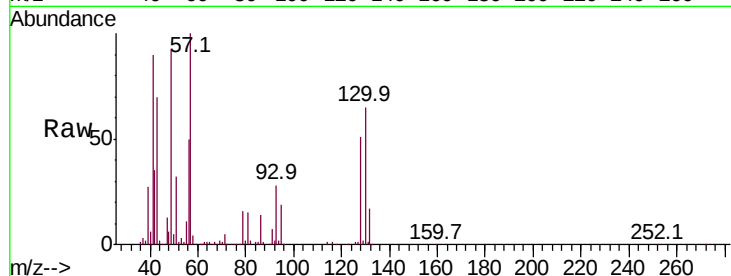
#26
Hexane
Concen: 3.666 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL037210.D
Acq: 17 Jun 2021 20:39

Instrument :
MSVOA_L
ClientSampleID :
SV1DL

Tot Ion	57	Resp	643317
Ion Ratio	Lower	Upper	
57	100		
41	94.9	73.5	110.3
43	75.2	170.7	256.1#
56	52.7	42.4	63.6

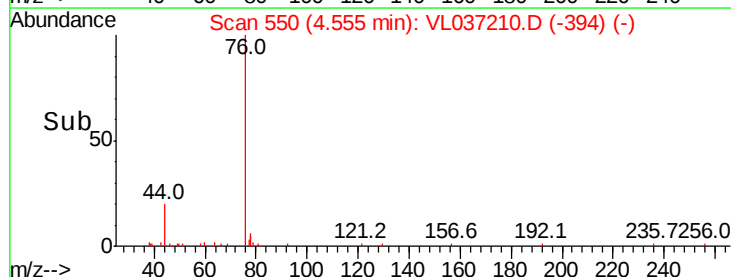
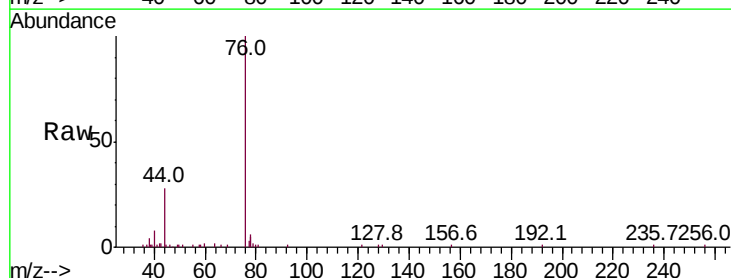
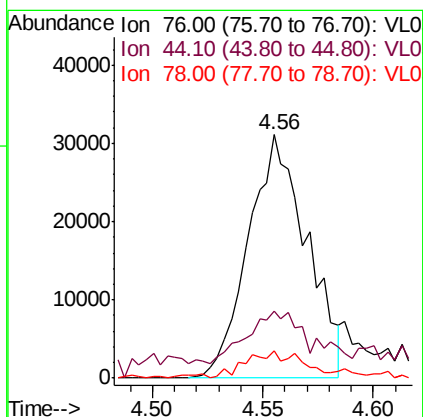
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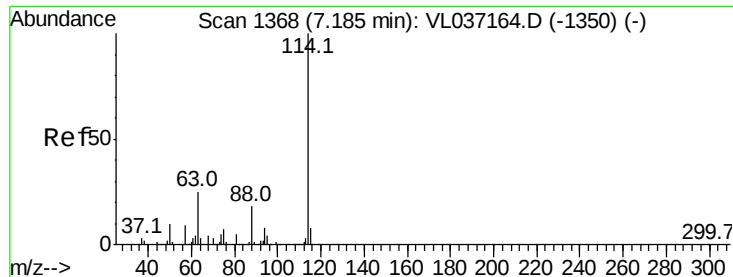
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#27
Carbon Disulfide
Concen: 0.333 ppbv
RT: 4.56 min Scan# 550
Delta R.T. 0.00 min
Lab File: VL037210.D
Acq: 17 Jun 2021 20:39

Tgt Ion	76	Resp	57316
Ion Ratio	Lower	Upper	
76	100		
44	36.3	15.4	23.2#
78	13.4	8.0	12.0#





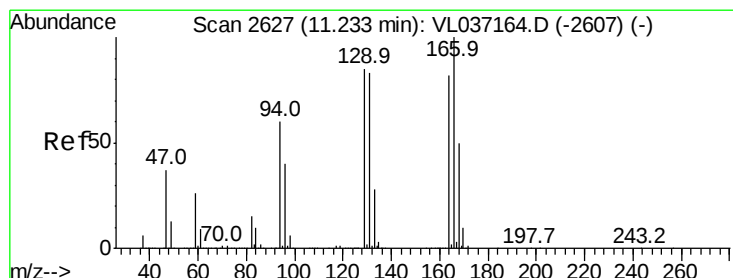
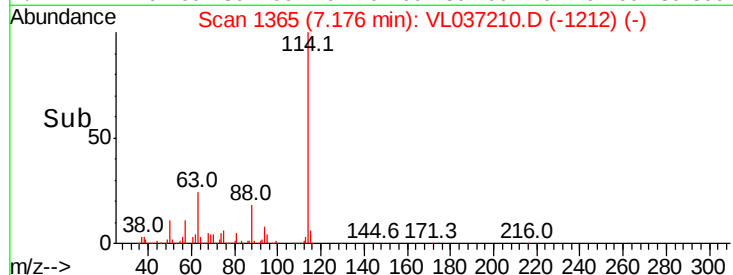
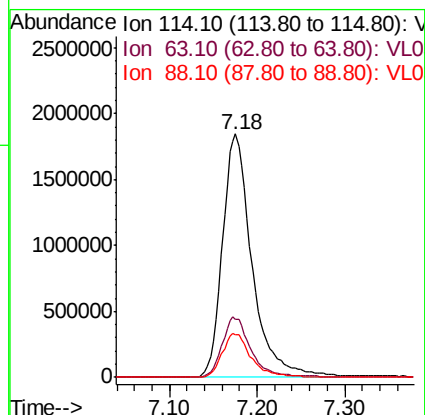
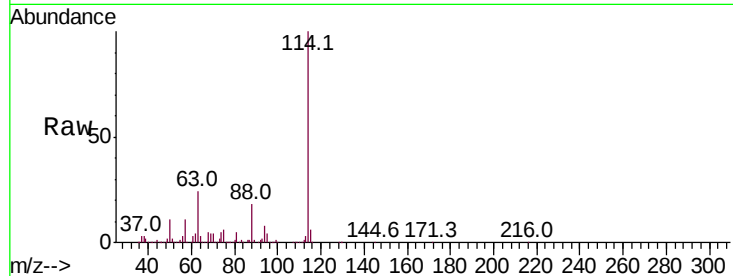
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VL037210.D
Acq: 17 Jun 2021 20:39

Instrument :
MSVOA_L
ClientSampled :
SV1DL

Tot Ion:	114	Resp:	4322768
Ion	Ratio	Lower	Upper
114	100		
63	24.5	19.6	29.4
88	18.1	14.2	21.2

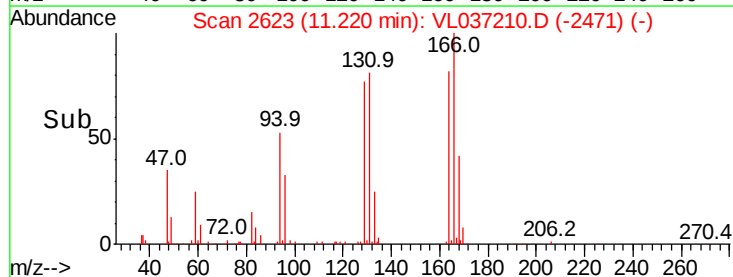
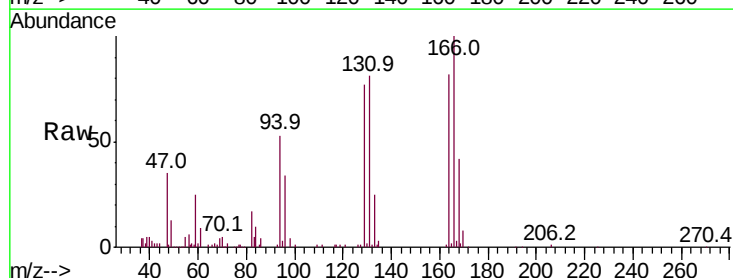
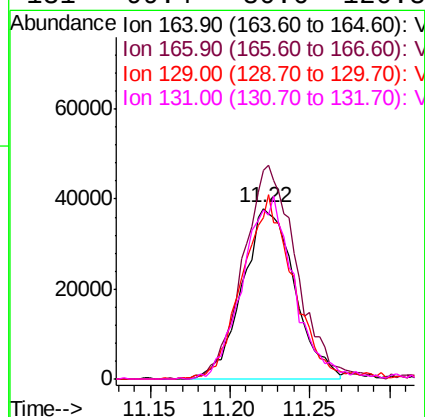
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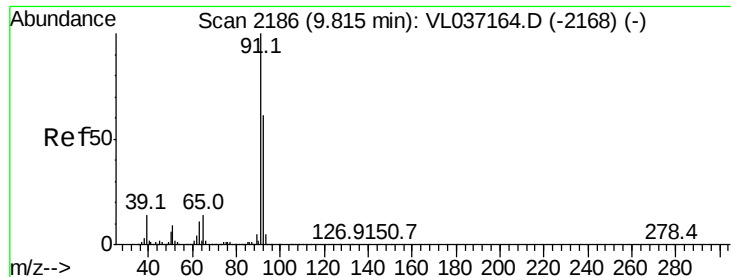
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#52
Tetrachloroethene
Concen: 0.520 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. -0.01 min
Lab File: VL037210.D
Acq: 17 Jun 2021 20:39

Tgt Ion:	164	Resp:	84540
Ion	Ratio	Lower	Upper
164	100		
166	121.9	97.6	146.4
129	94.5	82.9	124.3
131	99.4	80.6	120.8





#53

Toluene

Concen: 0.121 ppbv m

RT: 9.80 min Scan# 2182

Delta R.T. -0.01 min

Lab File: VL037210.D

Acq: 17 Jun 2021 20:39

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tot Ion: 91 Resp: 50496

Ion Ratio Lower Upper

91 100

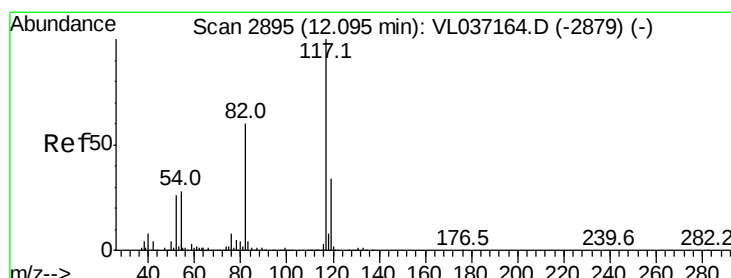
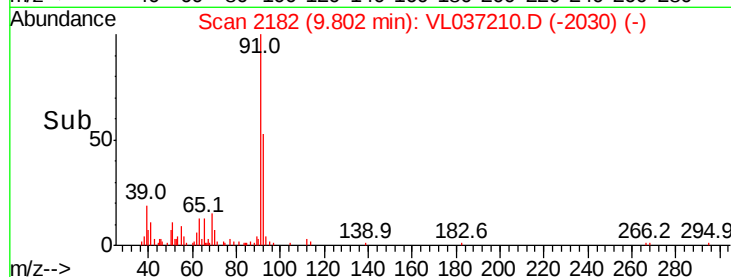
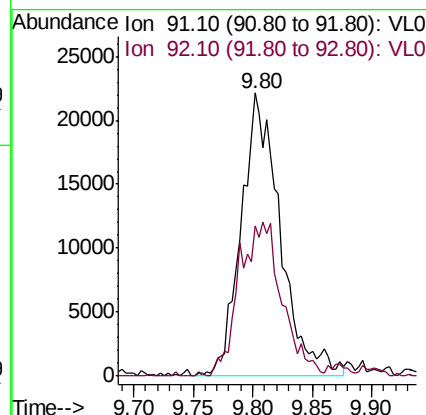
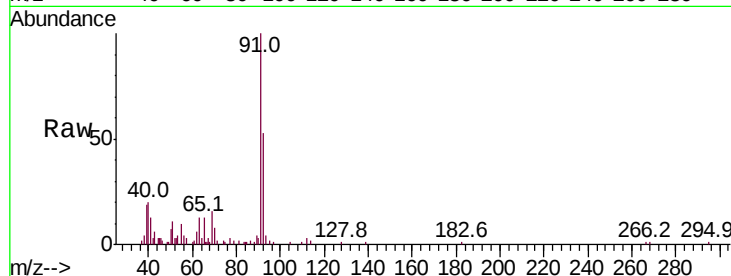
92 0.0 48.3 72.5#

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL037210.D

Acq: 17 Jun 2021 20:39

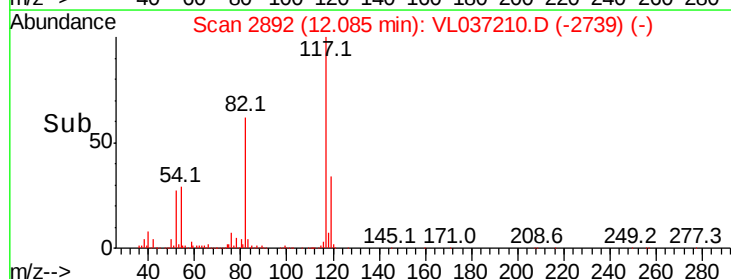
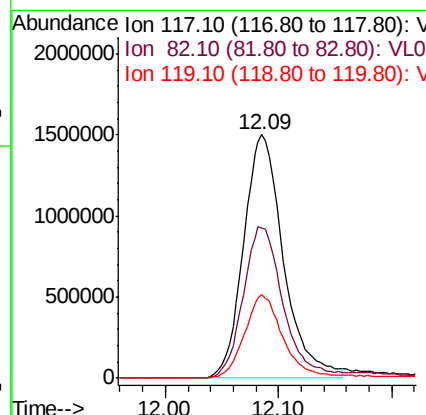
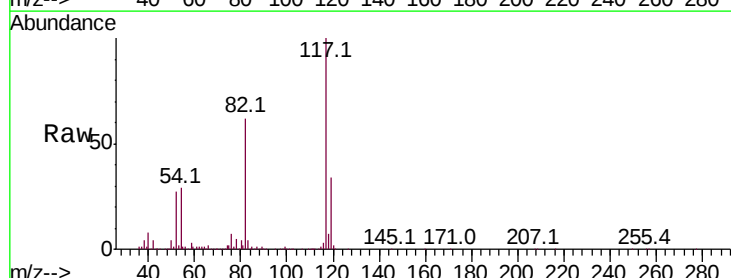
Tgt Ion: 117 Resp: 3690190

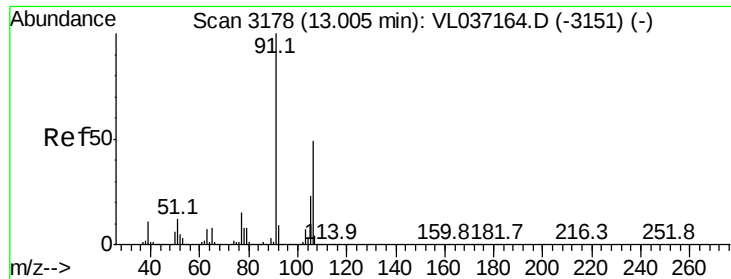
Ion Ratio Lower Upper

117 100

82 66.0 51.7 77.5

119 34.6 47.6 71.4#





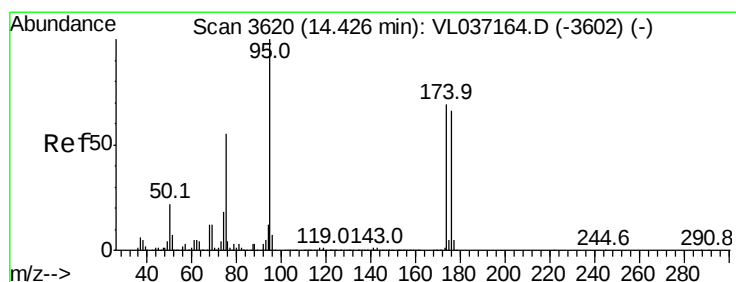
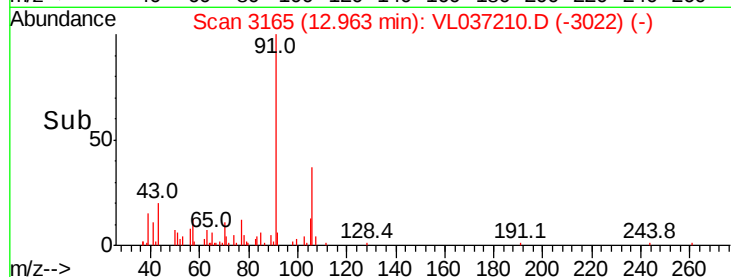
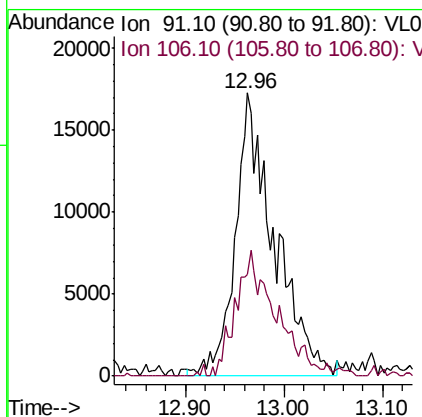
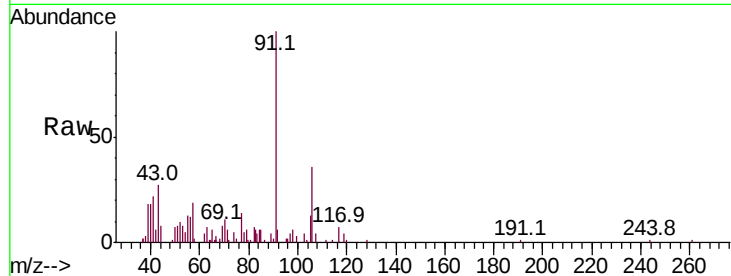
#59
m/p-Xylene
Concen: 0.109 ppbv m
RT: 12.96 min Scan# 3165
Delta R.T. -0.04 min
Lab File: VL037210.D
Acq: 17 Jun 2021 20:39

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tot Ion: 91 Resp: 47108
Ion Ratio Lower Upper
91 100
106 0.0 37.0 55.4#

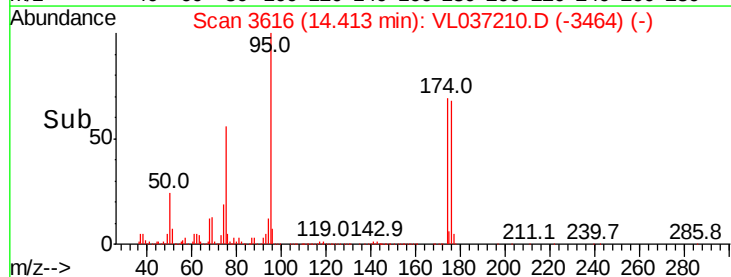
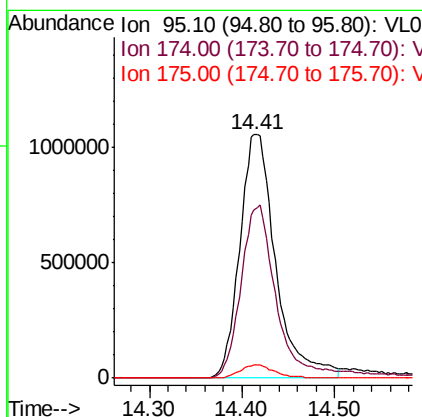
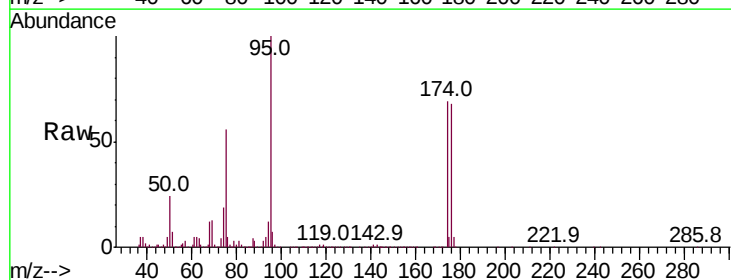
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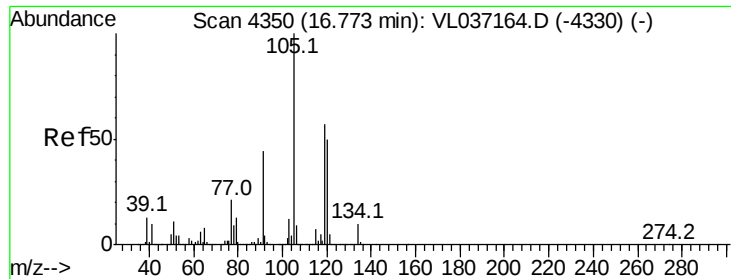
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.145 ppbv m
RT: 14.41 min Scan# 3616
Delta R.T. -0.01 min
Lab File: VL037210.D
Acq: 17 Jun 2021 20:39

Tgt Ion: 95 Resp: 2836864
Ion Ratio Lower Upper
95 100
174 73.7 57.0 85.4
175 5.5 4.4 6.6





#74
 1,2,4-Trimethylbenzene
 Concen: 0.137 ppbv m
 RT: 16.76 min Scan# 4346
 Delta R.T. -0.01 min
 Lab File: VL037210.D
 Acq: 17 Jun 2021 20:39

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Tot Ion:	105	Resp:	63653
Ion Ratio	Lower	Upper	
105	100		
120	39.0	39.8	59.8#
91	8.5	37.0	55.4#
77	14.9	17.0	25.4#

Manual Integrations
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