

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL091721\
 Data File : VL037641.D
 Acq On : 17 Sep 2021 14:37
 Operator : SY/AP
 Sample : M3801-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

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 9/20/2021 5:28:31 PM

Quant Time: Sep 18 09:15:33 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 1
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1408292	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4177424	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3531877	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2583034	10.12	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	414063m	4.419	ppbv	
10) Heptane	8.10	43	98441	0.450	ppbv	100
11) Trichlorofluoromethane	3.93	101	56865	0.278	ppbv	89
13) Ethanol	3.60	45	60296m	6.579	ppbv	
15) Acetone	3.84	43	1017354m	6.953	ppbv	
19) Isopropyl Alcohol	3.97	45	144351m	1.813	ppbv	
26) Hexane	5.67	57	480514	2.854	ppbv #	44
29) Chloroform	5.74	83	32254m	0.131	ppbv	
34) 2-Butanone	5.24	43	128845	0.759	ppbv #	80
36) Benzene	6.86	78	60031m	0.172	ppbv	
52) Tetrachloroethene	11.20	164	99951	0.747	ppbv	92
53) Toluene	9.79	91	101807	0.263	ppbv	100
58) Ethyl Benzene	12.69	91	47527m	0.101	ppbv	
59) m/p-Xylene	12.95	91	165556m	0.405	ppbv	
60) o-Xylene	13.67	91	94410	0.243	ppbv	98
73) 1,3,5-Trimethylbenzene	15.97	105	61066	0.147	ppbv	97
74) 1,2,4-Trimethylbenzene	16.74	105	251617	0.574	ppbv #	76

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

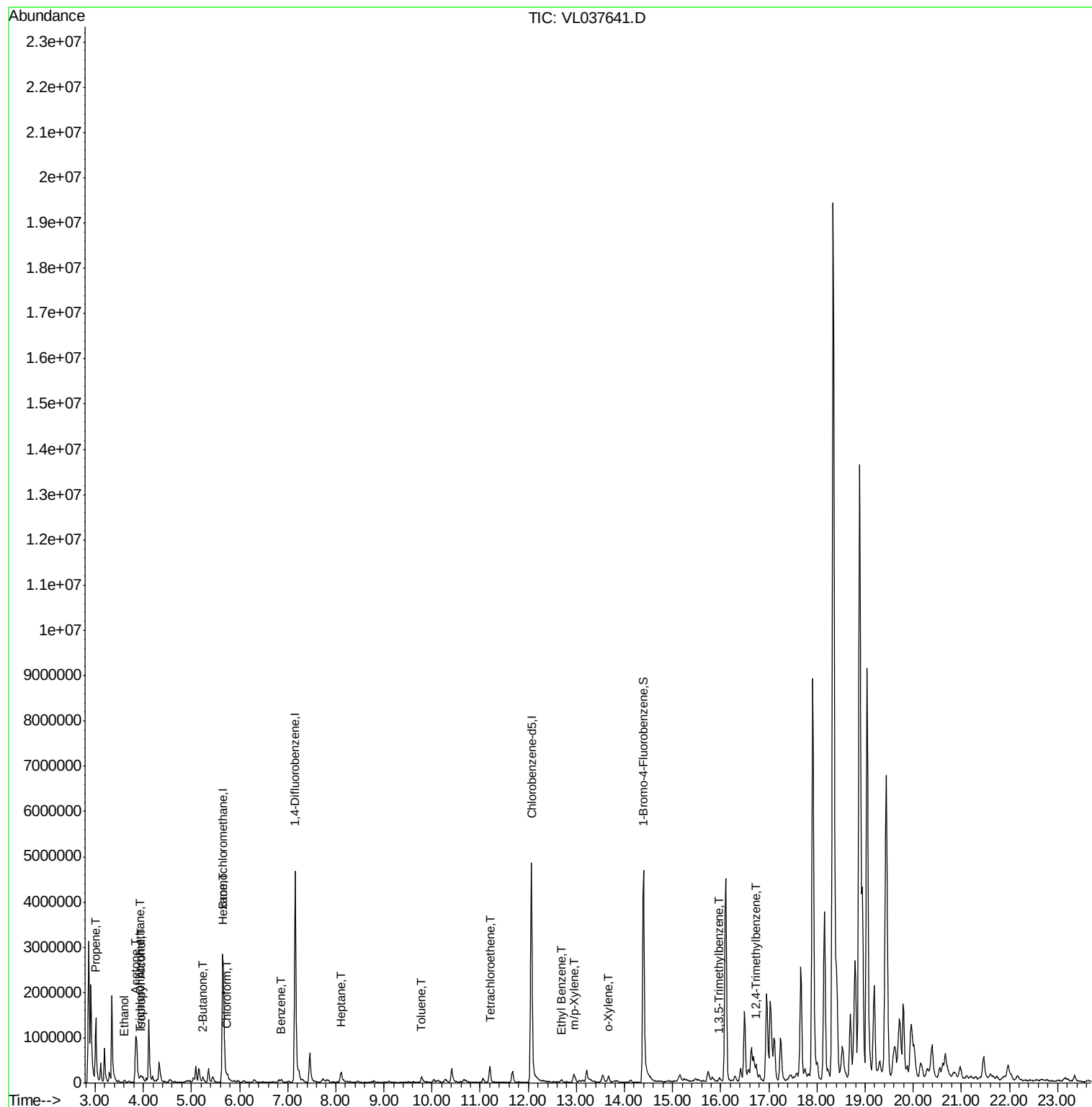
Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL091721\
Data File : VL037641.D
Acq On : 17 Sep 2021 14:37
Operator : SY/AP
Sample : M3801-01DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

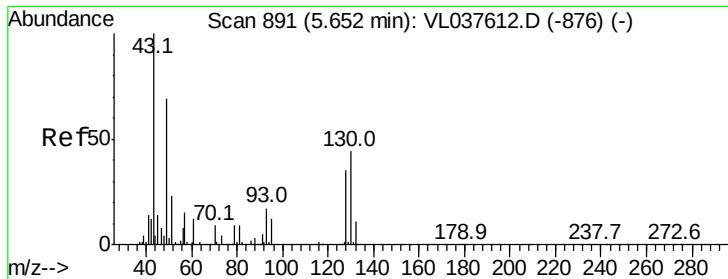
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Manual Integrations
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Quant Time: Sep 18 09:15:33 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep
QLast Update : Thu Sep 16 13:42:46 2021
Response via : Initial Calibration





#1

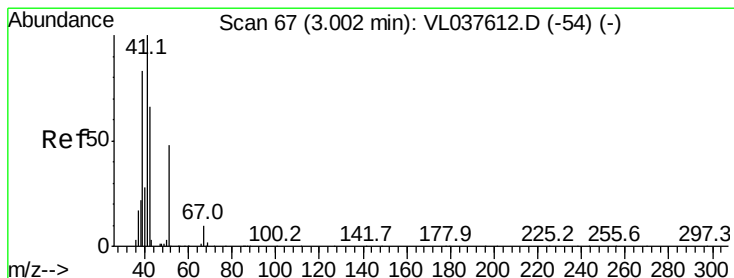
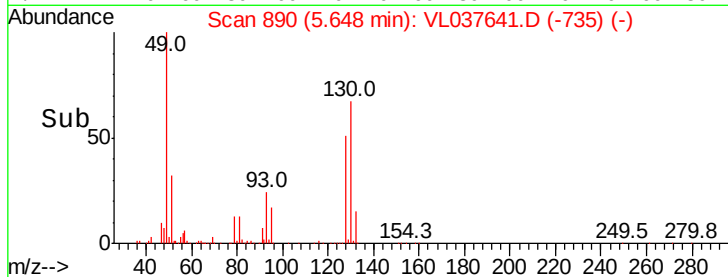
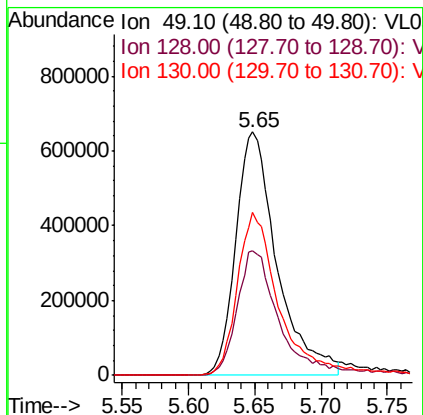
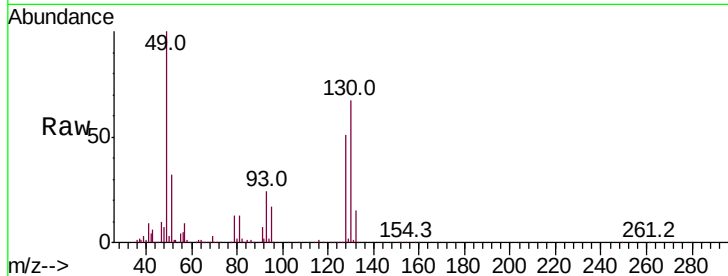
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.00 min
Lab File: VL037641.D
Acq: 17 Sep 2021 14:37

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tot Ion: 49 Resp: 1408292
Ion Ratio Lower Upper
49 100
128 54.9 27.9 83.6
130 69.7 33.9 101.7

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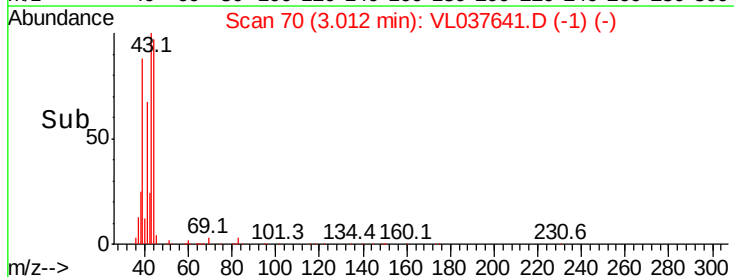
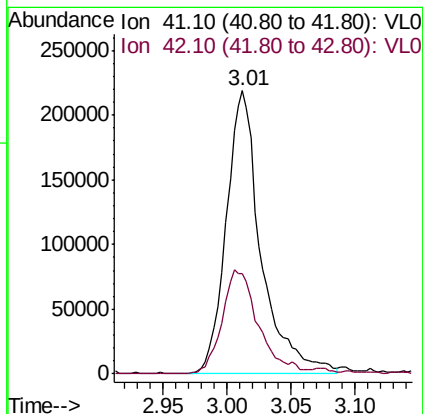
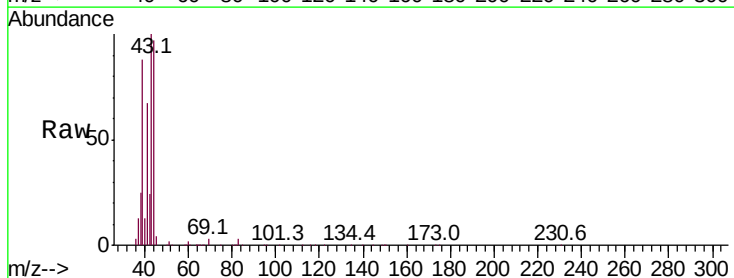
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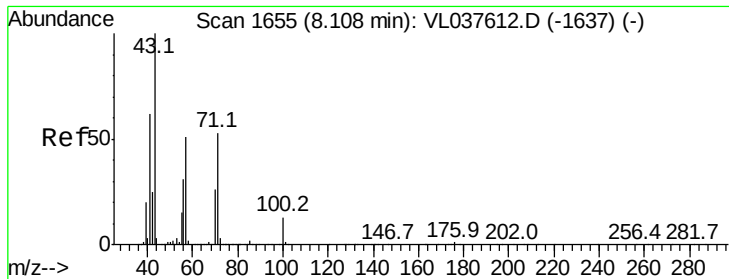


#9

Propene
Concen: 4.419 ppbv m
RT: 3.01 min Scan# 70
Delta R.T. 0.01 min
Lab File: VL037641.D
Acq: 17 Sep 2021 14:37

Tgt Ion: 41 Resp: 414063
Ion Ratio Lower Upper
41 100
42 45.0 57.2 85.8#





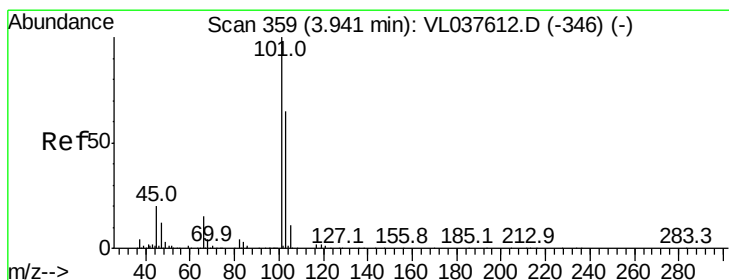
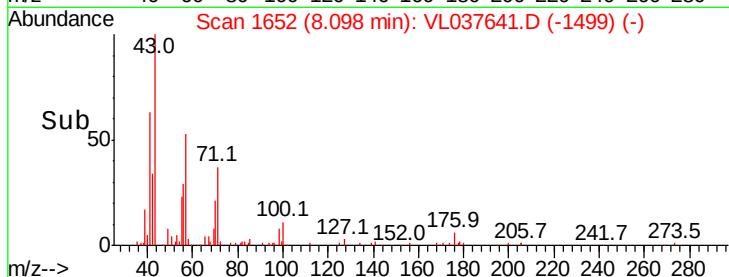
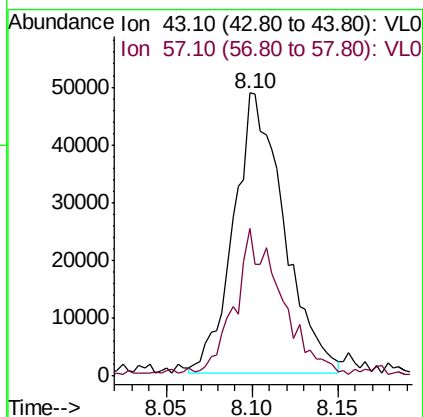
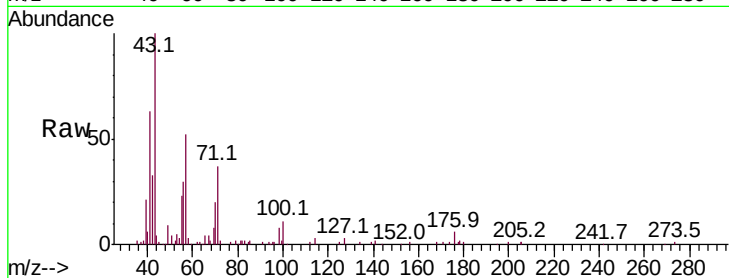
#10
Heptane
Concen: 0.450 ppbv
RT: 8.10 min Scan# 1652
Delta R.T. -0.01 min
Lab File: VL037641.D
Acq: 17 Sep 2021 14:37

Instrument :
MSVOA_L
ClientSampled :
SV1DL

Tot Ion	Ratio	Lower	Upper
43	100		
57	50.0	40.1	60.1

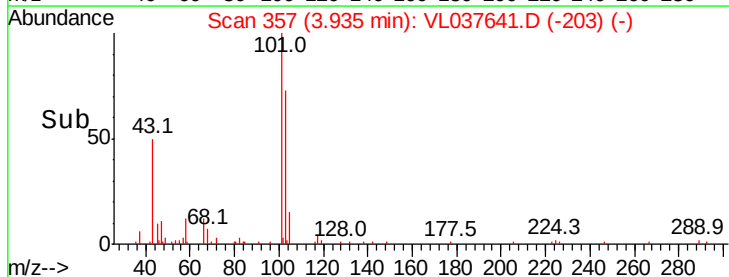
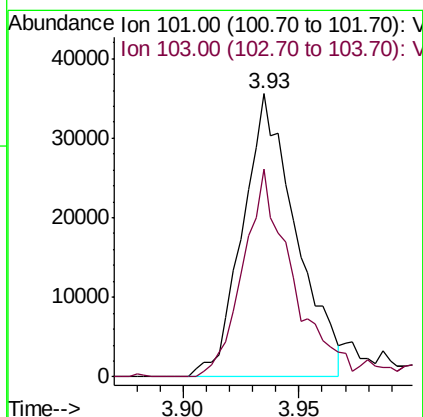
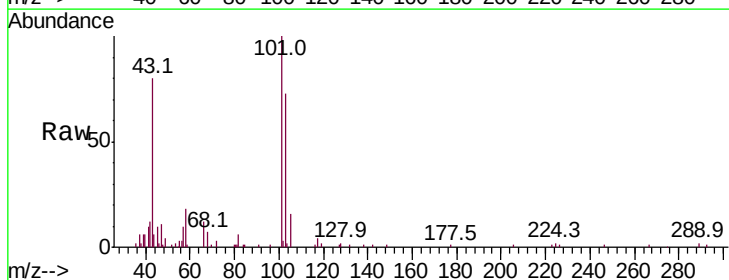
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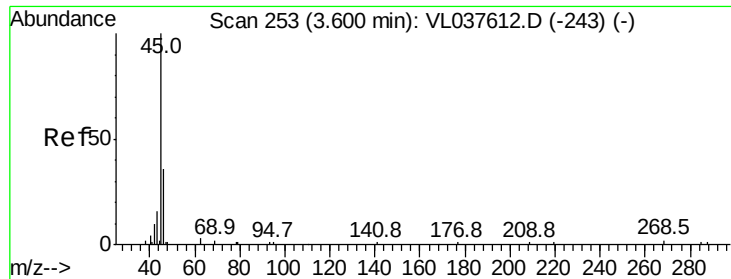
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#11
Trichlorofluoromethane
Concen: 0.278 ppbv
RT: 3.93 min Scan# 357
Delta R.T. -0.01 min
Lab File: VL037641.D
Acq: 17 Sep 2021 14:37

Tgt Ion	Ratio	Lower	Upper
101	100		
103	73.4	51.9	77.9





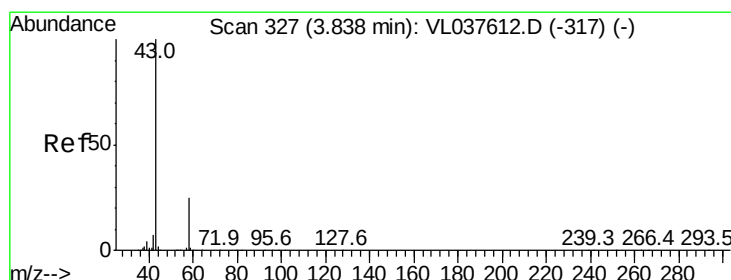
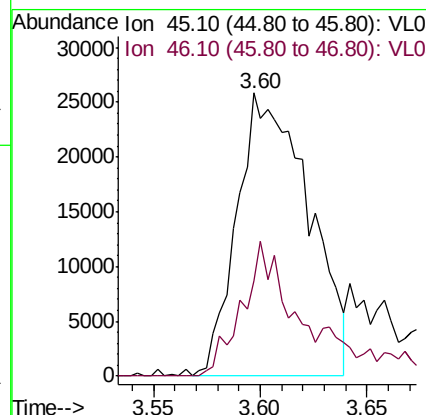
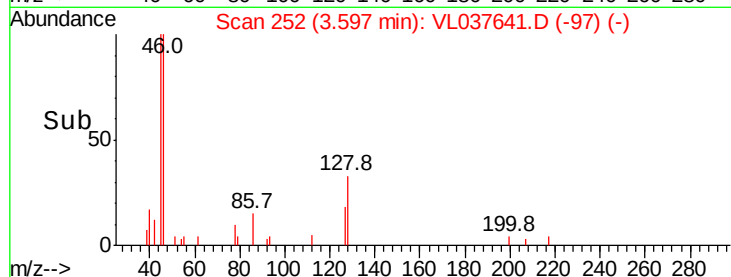
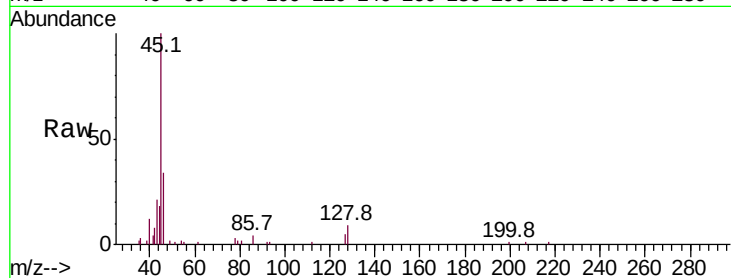
#13
Ethanol
Concen: 6.579 ppbv m
RT: 3.60 min Scan# 252
Delta R.T. -0.00 min
Lab File: VL037641.D
Acq: 17 Sep 2021 14:37

Instrument :
MSVOA_L
ClientSampled :
SV1DL

Tot Ion: 45 Resp: 60296
Ion Ratio Lower Upper
45 100
46 0.0 17.2 68.8#

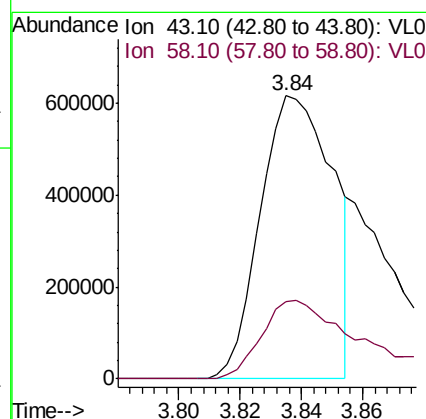
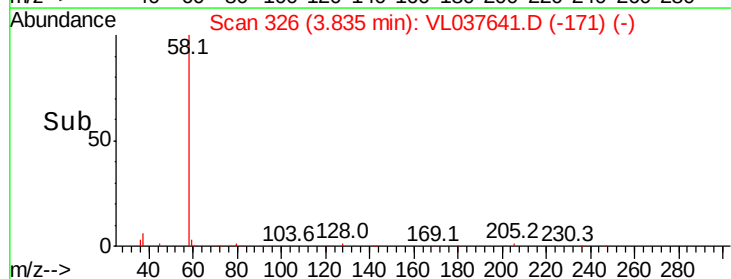
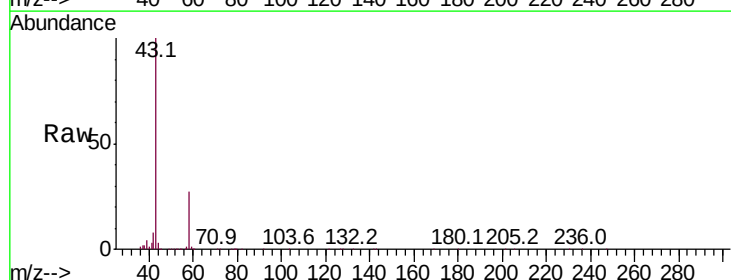
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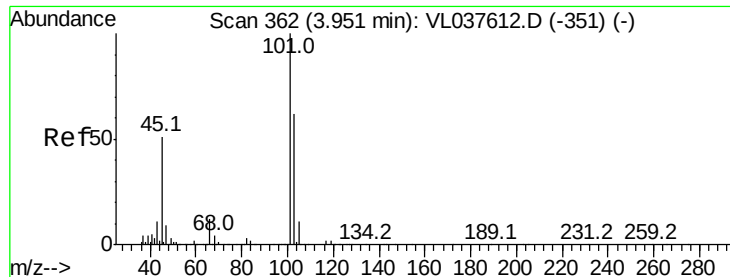
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#15
Acetone
Concen: 6.953 ppbv m
RT: 3.84 min Scan# 326
Delta R.T. -0.00 min
Lab File: VL037641.D
Acq: 17 Sep 2021 14:37

Tgt Ion: 43 Resp: 1017354
Ion Ratio Lower Upper
43 100
58 42.3 24.9 37.3#





#19

Isopropyl Alcohol

Concen: 1.813 ppbv m

RT: 3.97 min Scan# 367

Delta R.T. 0.02 min

Lab File: VL037641.D

Acq: 17 Sep 2021 14:37

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tot Ion: 45 Resp: 144351

Ion Ratio Lower Upper

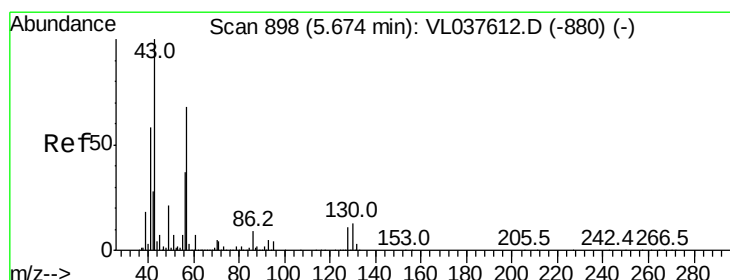
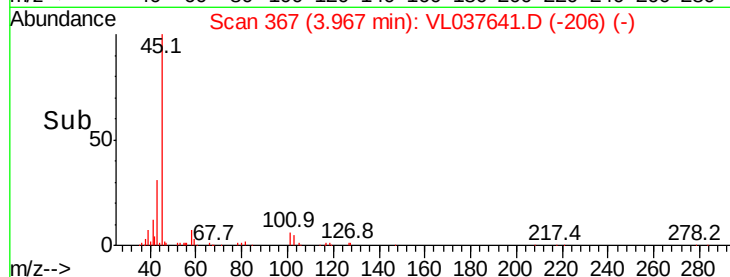
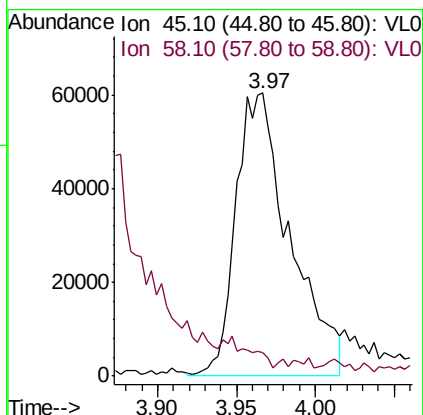
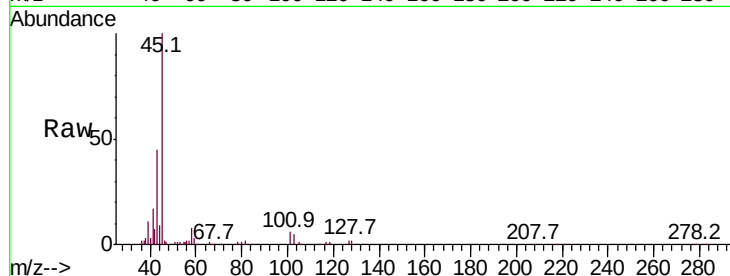
45 100

58 0.0 2.9 4.3#

Manual Integrations
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#26

Hexane

Concen: 2.854 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL037641.D

Acq: 17 Sep 2021 14:37

Tgt Ion: 57 Resp: 480514

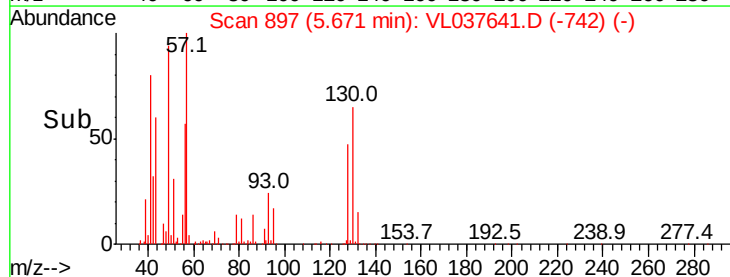
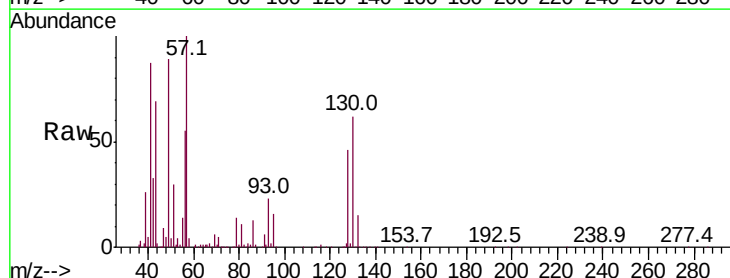
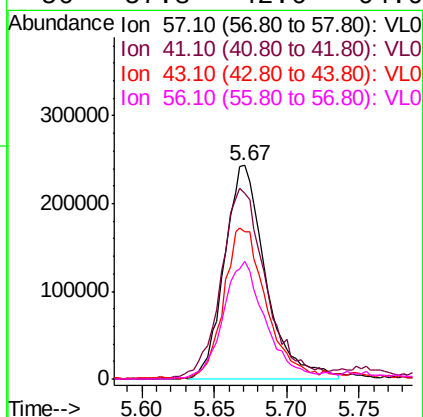
Ion Ratio Lower Upper

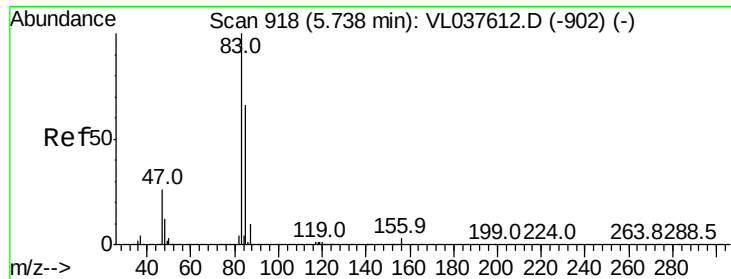
57 100

41 100.0 70.9 106.3

43 76.6 170.4 255.6#

56 57.8 42.6 64.0





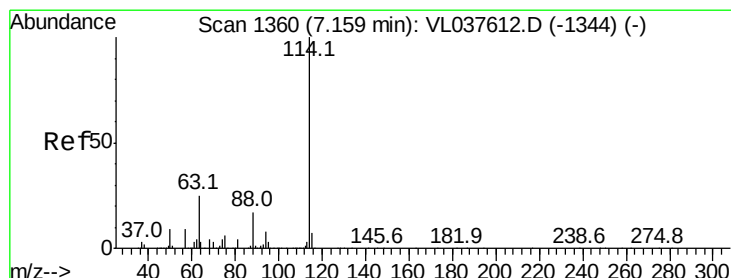
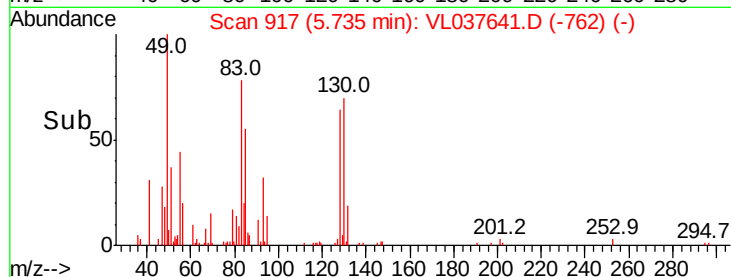
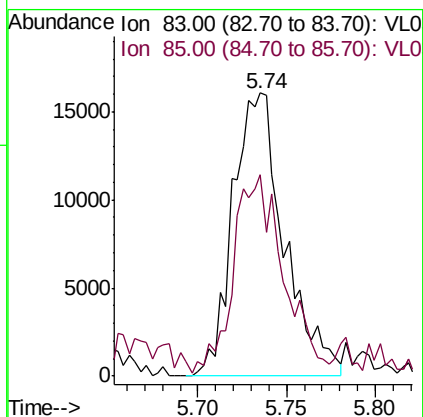
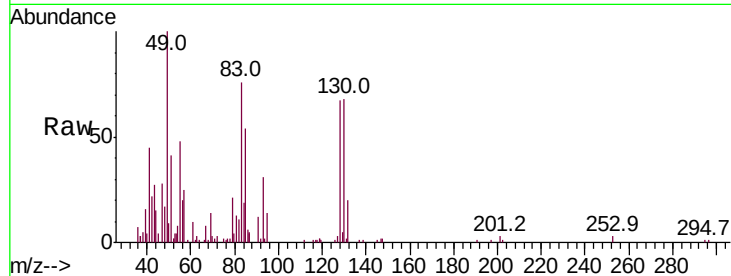
#29
Chloroform
Concen: 0.131 ppbv m
RT: 5.74 min Scan# 917
Delta R.T. -0.00 min
Lab File: VL037641.D
Acq: 17 Sep 2021 14:37

Instrument :
MSVOA_L
ClientSampled :
SV1DL

Tot Ion	Ratio	Lower	Upper
83	100		
85	71.1	52.6	79.0

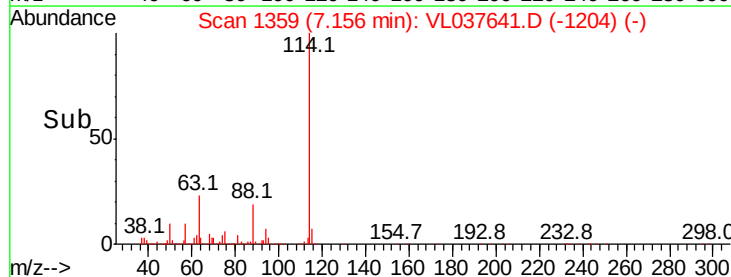
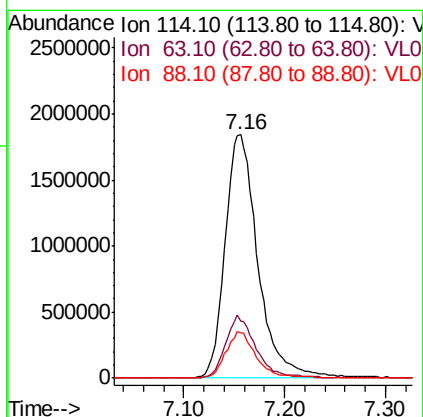
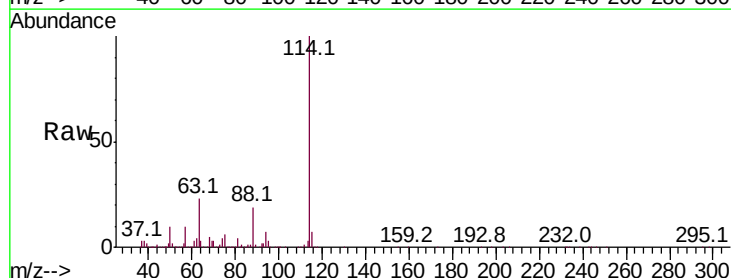
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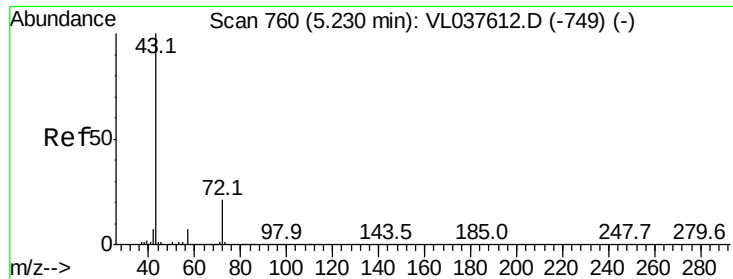
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL037641.D
Acq: 17 Sep 2021 14:37

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.6	29.4
88	17.8	14.2	21.4





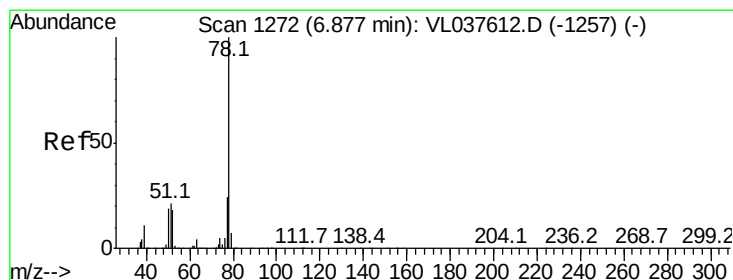
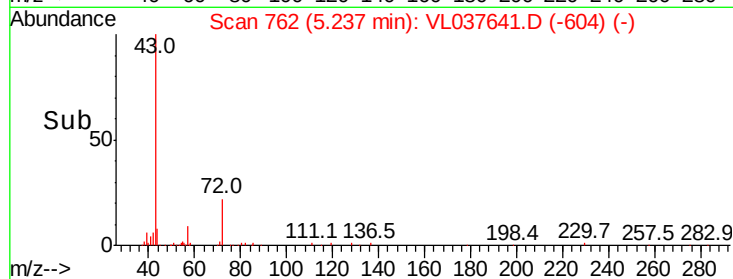
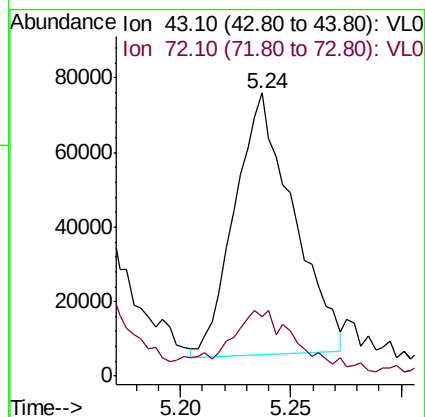
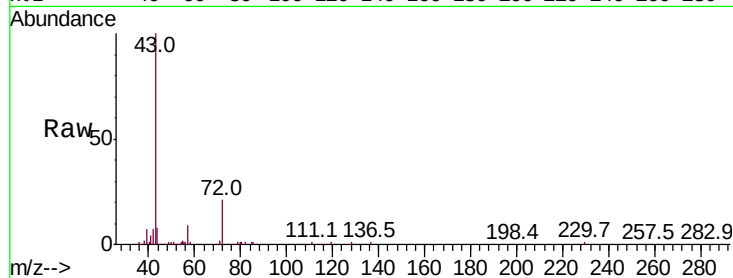
#34
2-Butanone
Concen: 0.759 ppbv
RT: 5.24 min Scan# 762
Delta R.T. 0.01 min
Lab File: VL037641.D
Acq: 17 Sep 2021 14:37

Instrument :
MSVOA_L
ClientSampled :
SV1DL

Tot Ion: 43 Resp: 128845
Ion Ratio Lower Upper
43 100
72 32.5 18.4 27.6#

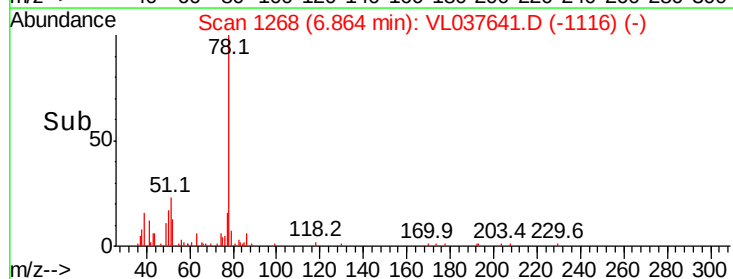
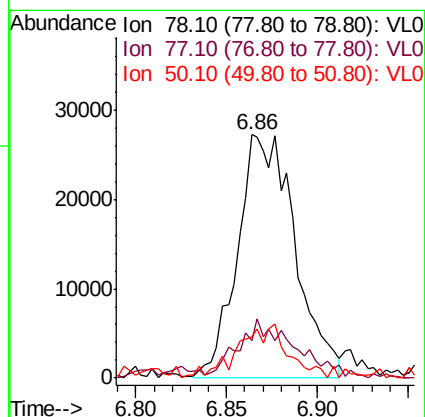
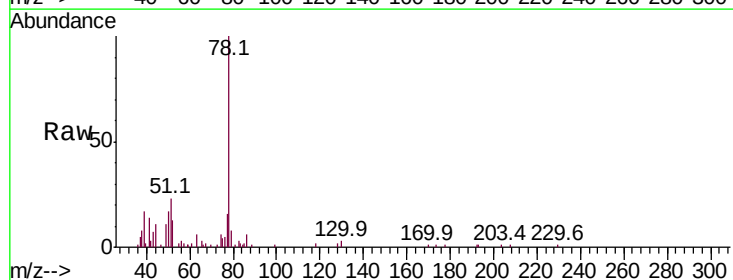
Manual Integrations
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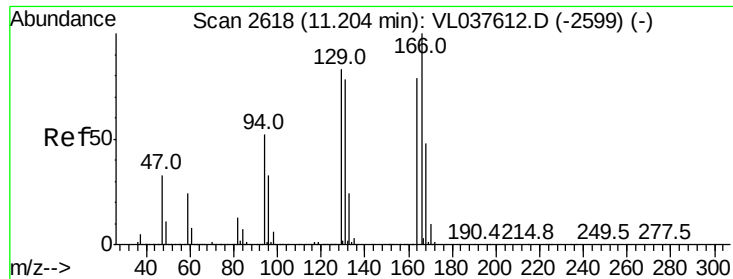
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#36
Benzene
Concen: 0.172 ppbv m
RT: 6.86 min Scan# 1268
Delta R.T. -0.01 min
Lab File: VL037641.D
Acq: 17 Sep 2021 14:37

Tgt Ion: 78 Resp: 60031
Ion Ratio Lower Upper
78 100
77 15.6 19.0 28.4#
50 17.1 14.8 22.2





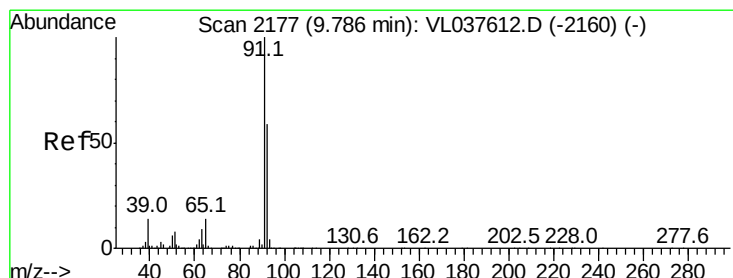
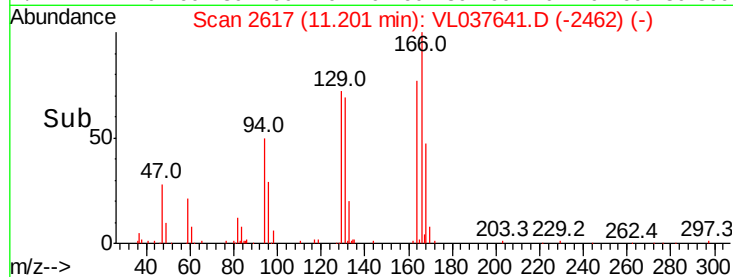
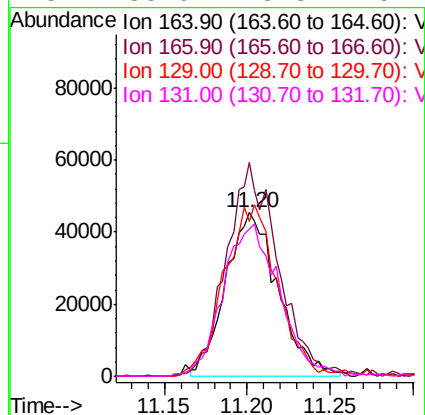
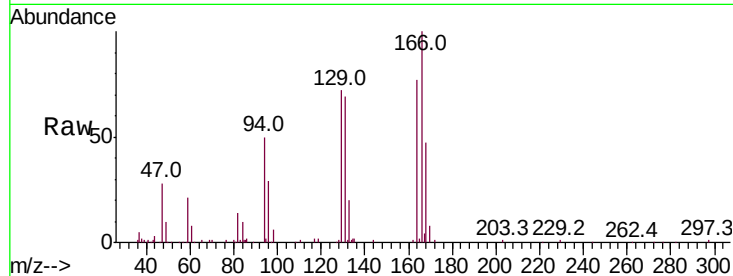
#52
Tetrachloroethene
Concen: 0.747 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.00 min
Lab File: VL037641.D
Acq: 17 Sep 2021 14:37

Instrument :
MSVOA_L
ClientSampled :
SV1DL

Tot Ion	Ratio	Lower	Upper
164	100		
166	130.3	101.2	151.8
129	93.1	84.0	126.0
131	88.9	78.8	118.2

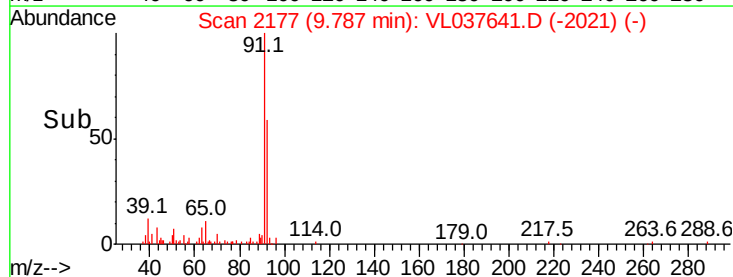
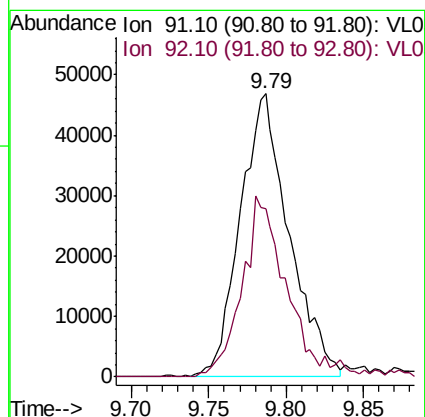
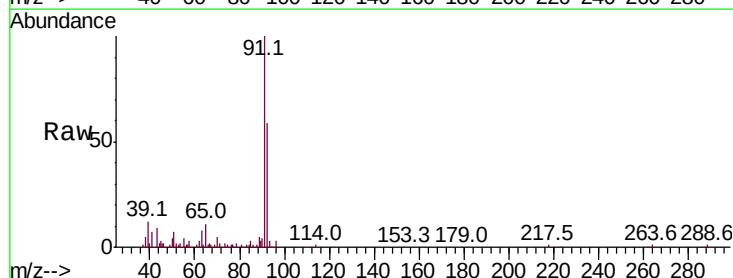
Manual Integrations
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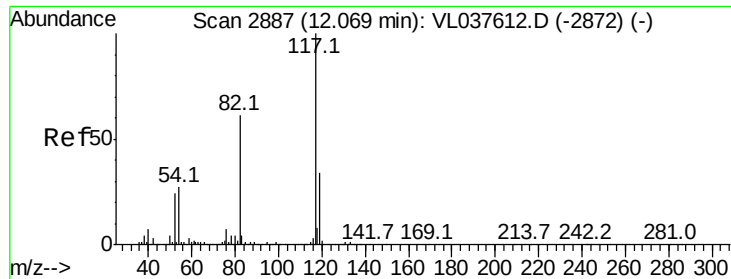
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#53
Toluene
Concen: 0.263 ppbv
RT: 9.79 min Scan# 2177
Delta R.T. 0.00 min
Lab File: VL037641.D
Acq: 17 Sep 2021 14:37

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.7	48.9	73.3





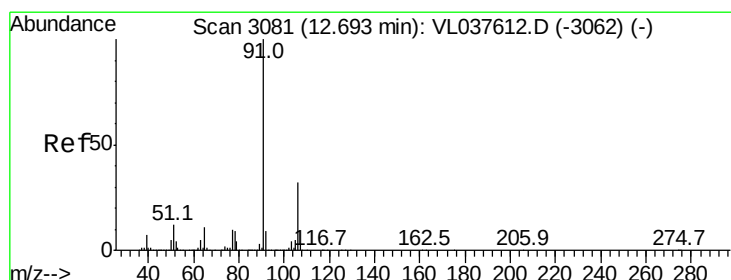
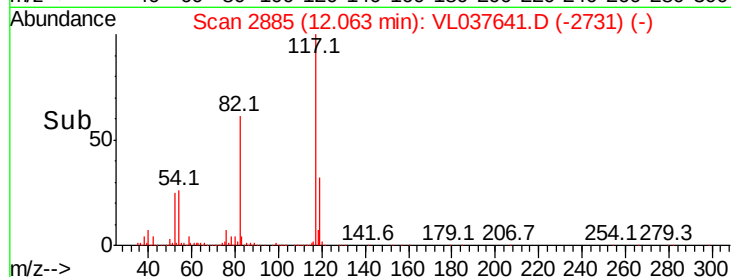
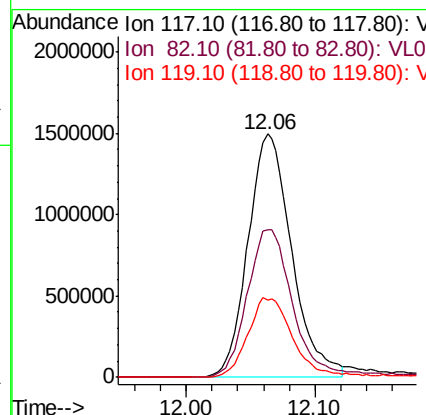
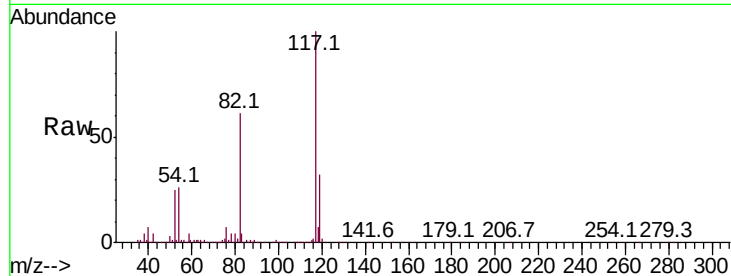
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.01 min
Lab File: VL037641.D
Acq: 17 Sep 2021 14:37

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.5	50.6	75.8
119	34.4	26.2	39.2

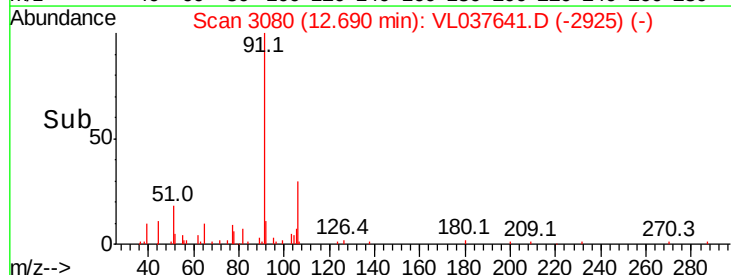
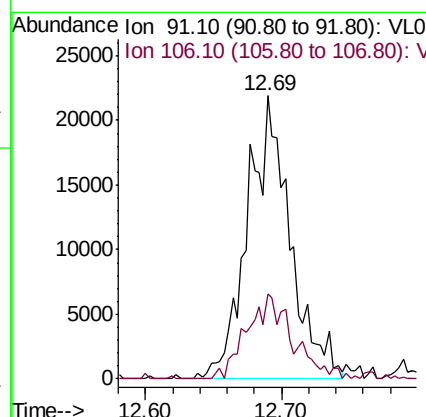
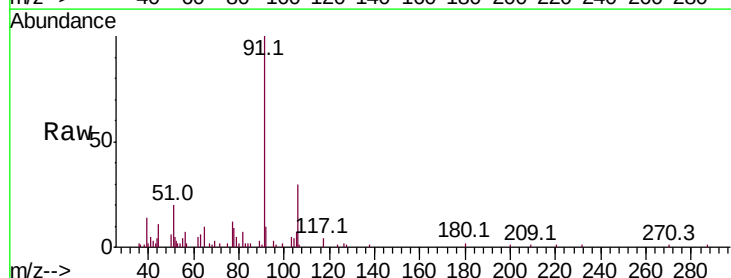
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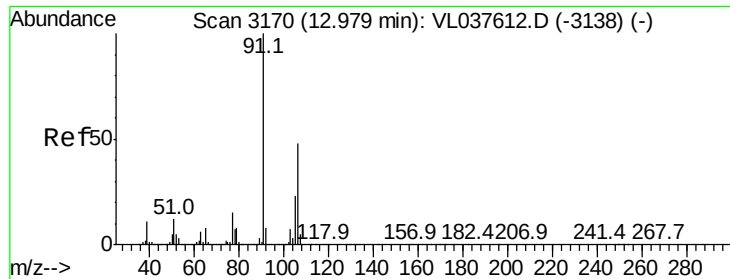
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#58
Ethyl Benzene
Concen: 0.101 ppbv m
RT: 12.69 min Scan# 3080
Delta R.T. -0.00 min
Lab File: VL037641.D
Acq: 17 Sep 2021 14:37

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.1	25.3	37.9





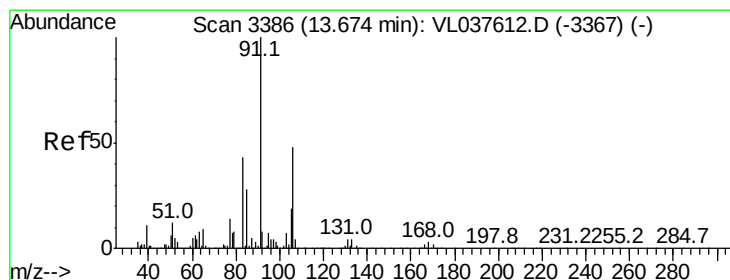
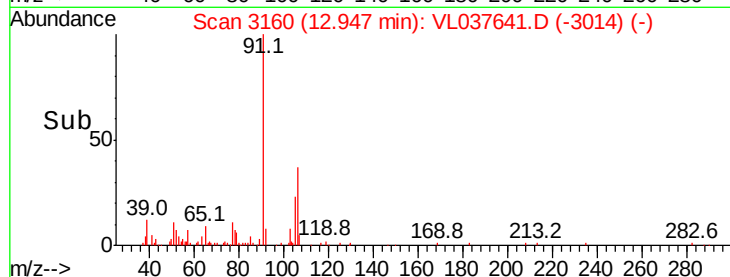
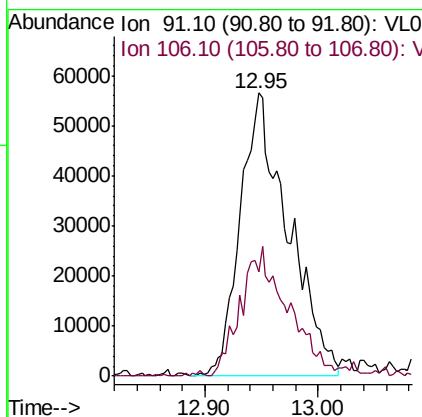
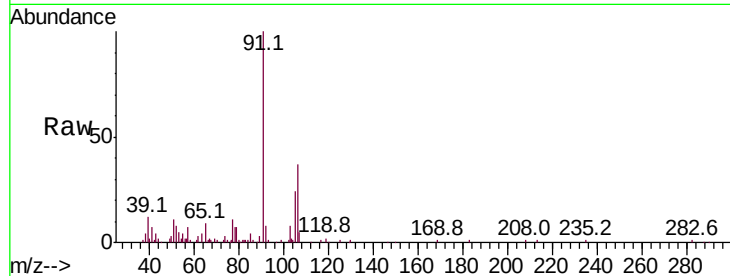
#59
m/p-Xylene
Concen: 0.405 ppbv m
RT: 12.95 min Scan# 3160
Delta R.T. -0.03 min
Lab File: VL037641.D
Acq: 17 Sep 2021 14:37

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tot Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.6	55.0#

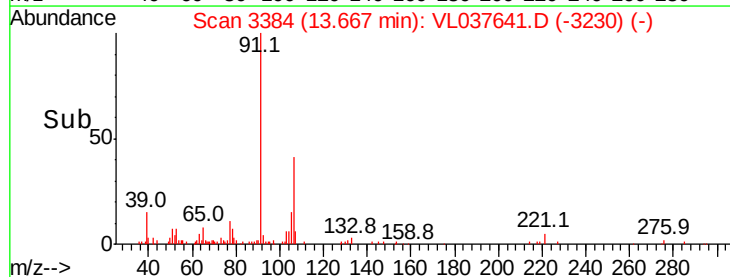
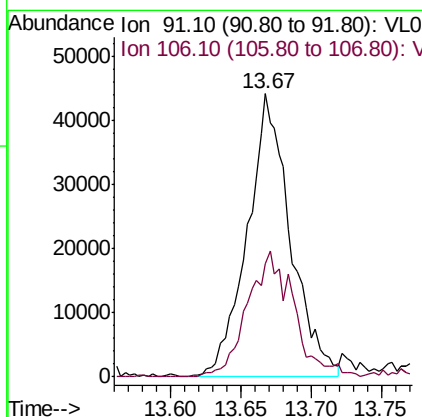
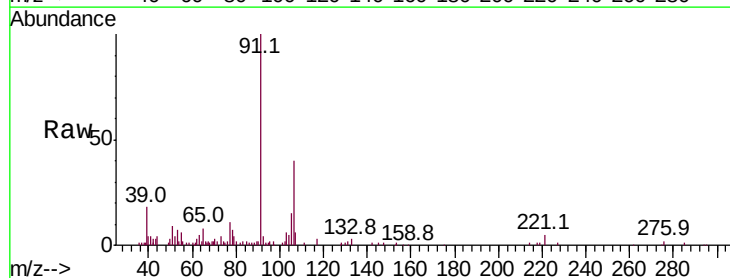
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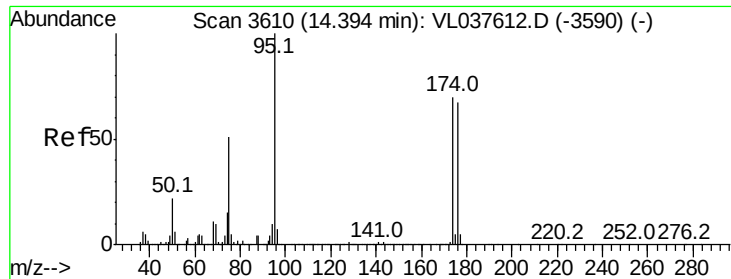
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#60
o-Xylene
Concen: 0.243 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.01 min
Lab File: VL037641.D
Acq: 17 Sep 2021 14:37

Tgt Ion	Ratio	Lower	Upper
91	100		
106	47.4	23.0	69.0





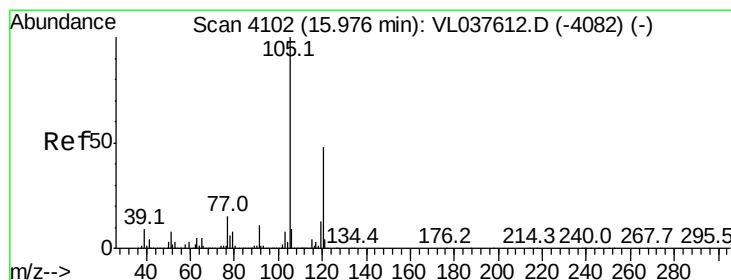
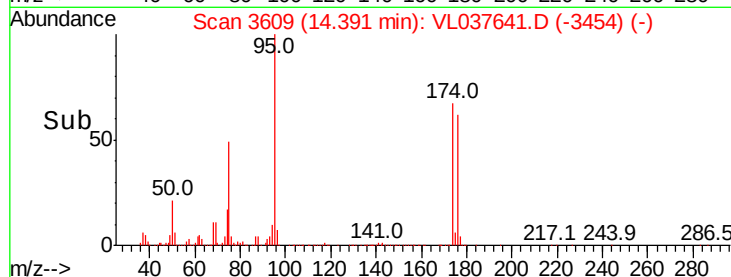
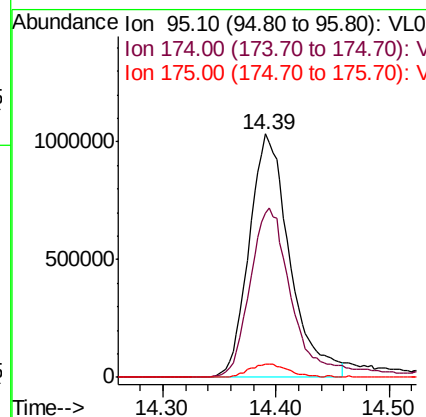
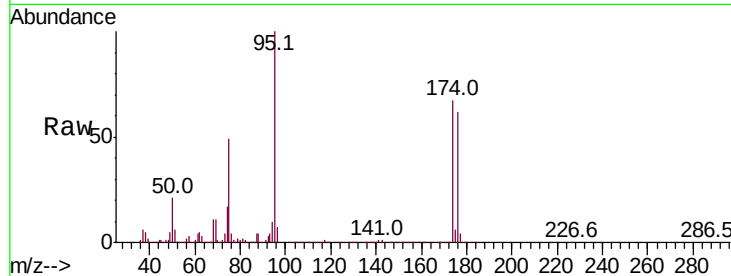
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.120 ppbv
 RT: 14.39 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VL037641.D
 Acq: 17 Sep 2021 14:37

Instrument :
 MSVOA_L
 ClientSampled :
 SV1DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	75.5	56.3	84.5
175	5.6	4.4	6.6

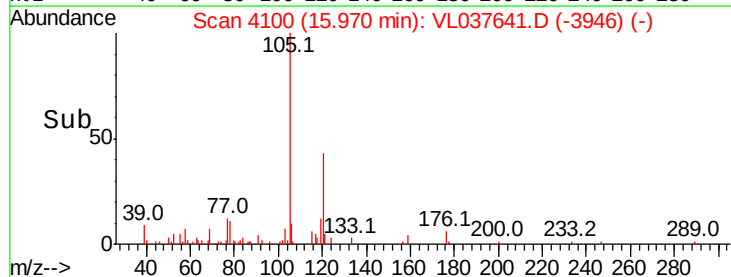
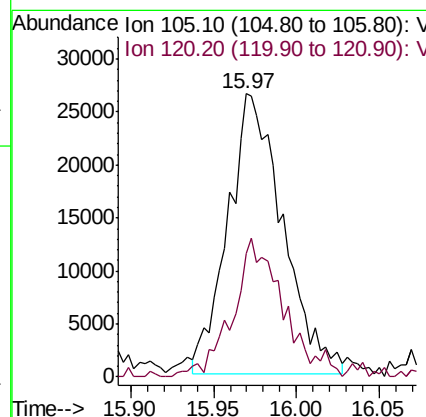
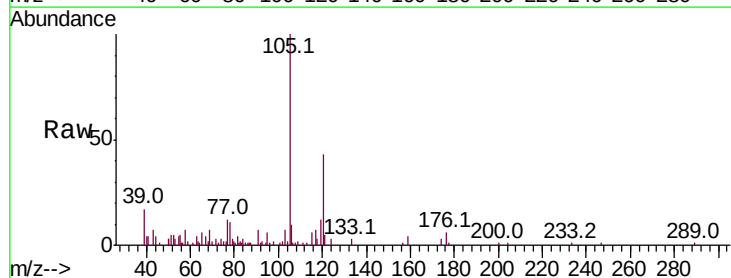
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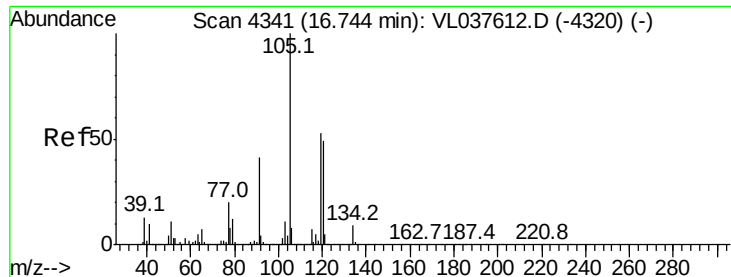
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#73
 1,3,5-Trimethylbenzene
 Concen: 0.147 ppbv
 RT: 15.97 min Scan# 4100
 Delta R.T. -0.01 min
 Lab File: VL037641.D
 Acq: 17 Sep 2021 14:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	38.3	57.5





#74
 1,2,4-Trimethylbenzene
 Concen: 0.574 ppbv
 RT: 16.74 min Scan# 4339
 Delta R.T. -0.01 min
 Lab File: VL037641.D
 Acq: 17 Sep 2021 14:37

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Tot Ion	Ratio	Resp Lower	Upper
105	100		
120	43.6	39.4	59.0
91	11.4	33.3	49.9#
77	13.4	15.7	23.5#

Manual Integrations
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