

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092721\
 Data File : VL037686.D
 Acq On : 27 Sep 2021 18:40
 Operator : SY/AP
 Sample : M3896-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL

Manual Integrations
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 10/1/2021 11:05:14 AM

Quant Time: Sep 28 20:27:54 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	5.68	49	1619556	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4783226	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.10	117	4140034	10.00	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2890870	9.66	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) Chloroethane	3.57	64	51256	1.294	ppbv	95
9) Propene	3.03	41	24134m	0.224	ppbv	
11) Trichlorofluoromethane	3.96	101	965868	4.105	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.50	101	3218312	18.531	ppbv	98
13) Ethanol	3.62	45	36328m	3.447	ppbv	
15) Acetone	3.88	43	179405m	1.066	ppbv	
18) 1,1-Dichloroethene	4.30	96	937744	11.591	ppbv	99
20) Methylene Chloride	4.36	84	272152	3.388	ppbv	94
24) 1,1-Dichloroethane	5.02	63	14488959	86.860	ppbv #	97
26) Hexane	5.70	57	319324	1.649	ppbv #	46
29) Chloroform	5.76	83	54031m	0.191	ppbv	
32) 1,1,1-Trichloroethane	6.53	97	41810288m	158.861	ppbv	
34) 2-Butanone	5.28	43	60273	0.310	ppbv #	72
38) Trichloroethene	7.85	130	50833m	0.305	ppbv	
41) Tetrahydrofuran	6.09	42	303187m	3.318	ppbv	
52) Tetrachloroethene	11.23	164	149934	0.979	ppbv	94
59) m/p-Xylene	12.98	91	48955m	0.102	ppbv	

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

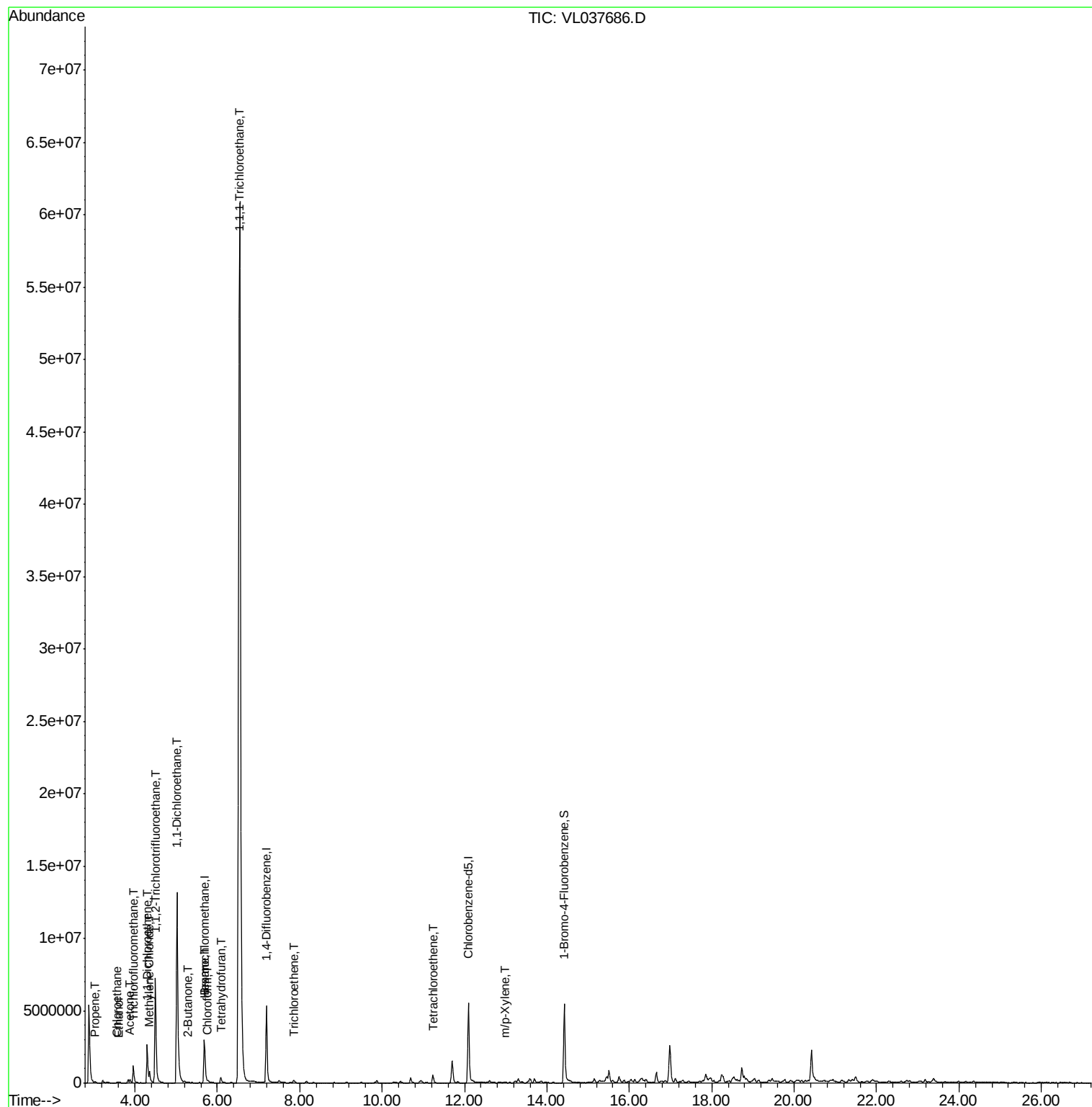
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL092721\
Data File : VL037686.D
Acq On : 27 Sep 2021 18:40
Operator : SY/AP
Sample : M3896-01DL 10X
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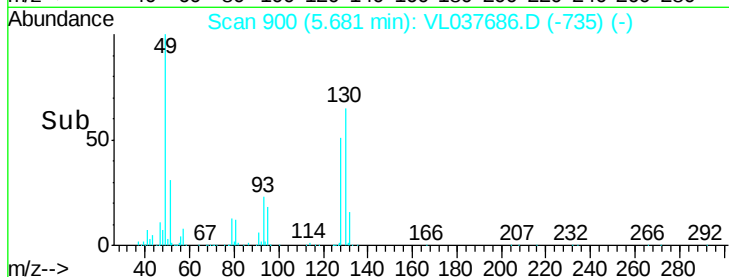
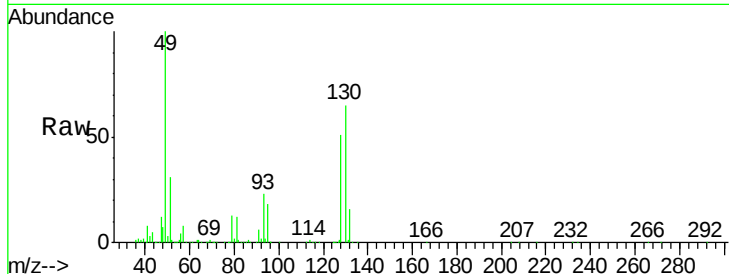
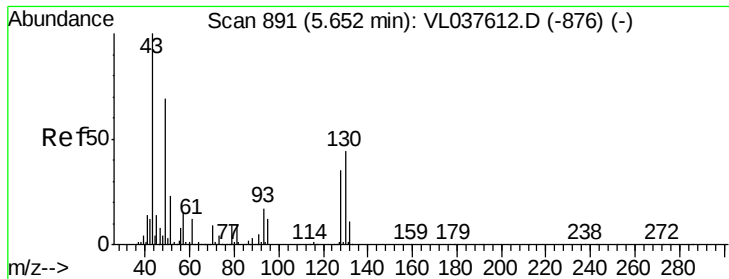
Instrument :
MSVOA_L
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Quant Time: Sep 28 20:27:54 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep
QLast Update : Thu Sep 16 13:42:46 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.03 min

Lab File: VL037686.D

Acq: 27 Sep 2021 18:40

Tgt Ion: 49 Resp: 1619556

Ion Ratio Lower Upper

49 100

128 52.4 27.9 83.6

130 68.1 33.9 101.7

Instrument :

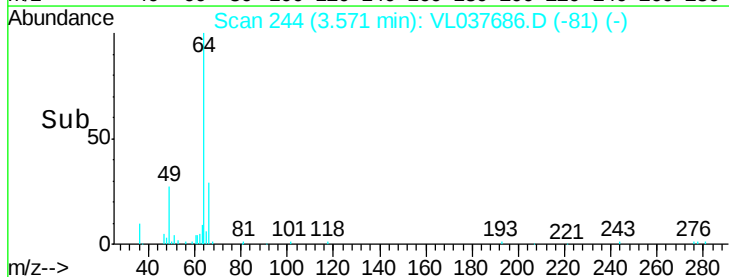
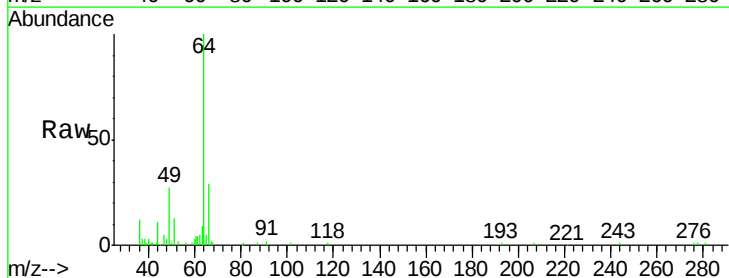
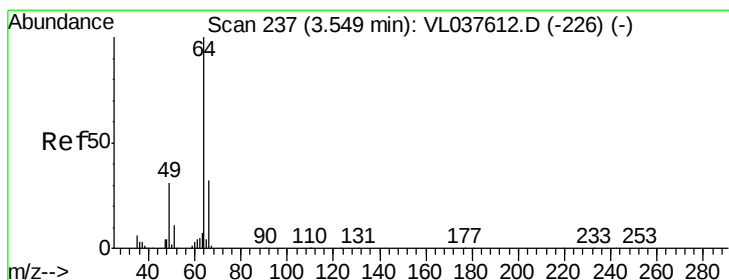
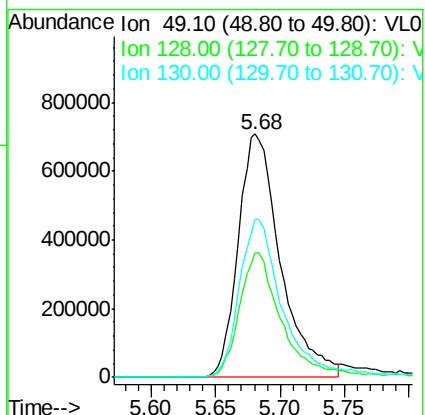
MSVOA_L

ClientSampleId :

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#7

Chloroethane

Concen: 1.294 ppbv

RT: 3.57 min Scan# 244

Delta R.T. 0.02 min

Lab File: VL037686.D

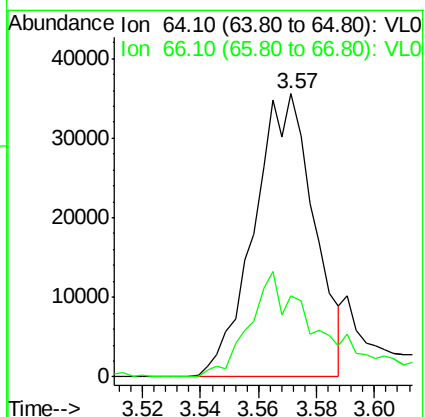
Acq: 27 Sep 2021 18:40

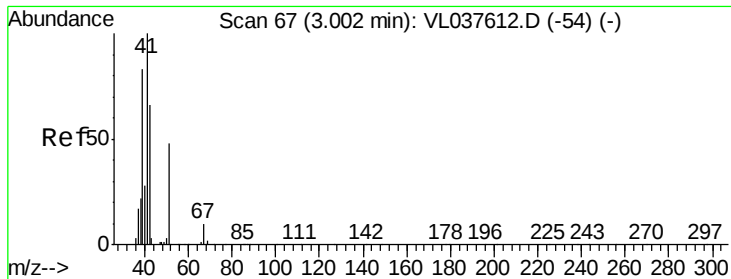
Tgt Ion: 64 Resp: 51256

Ion Ratio Lower Upper

64 100

66 28.6 25.3 37.9





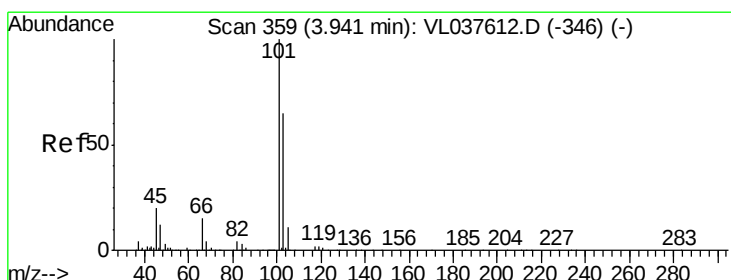
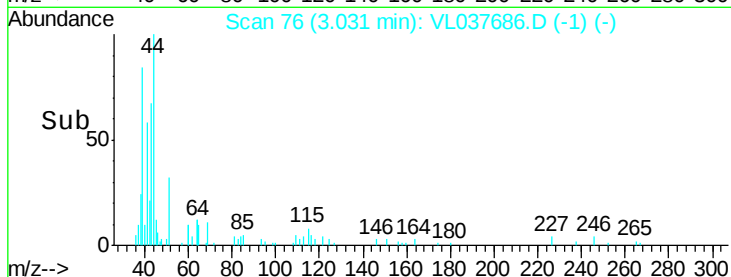
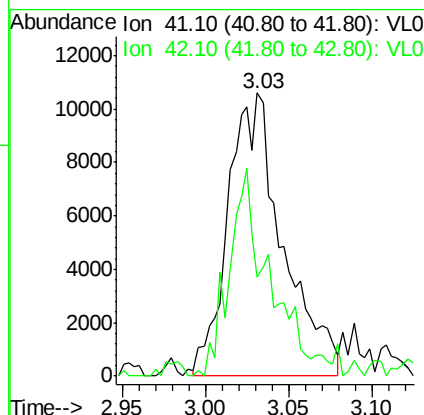
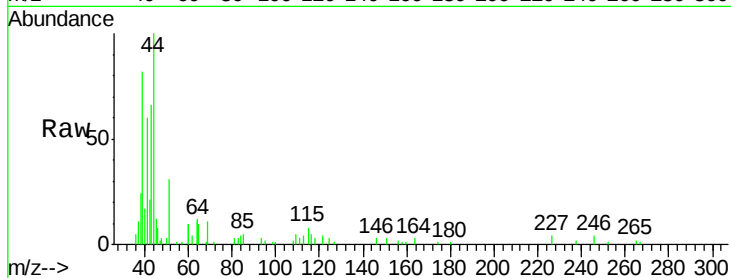
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 Propene
 Concen: 0.224 ppbv m
 RT: 3.03 min Scan# 76
 Delta R.T. 0.03 min
 Lab File: VL037686.D
 Acq: 27 Sep 2021 18:40

Instrument :
 MSVOA_L
 ClientSampleId :
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Tgt Ion: 41 Resp: 24134
 Ion Ratio Lower Upper
 41 100
 42 55.3 57.2 85.8#

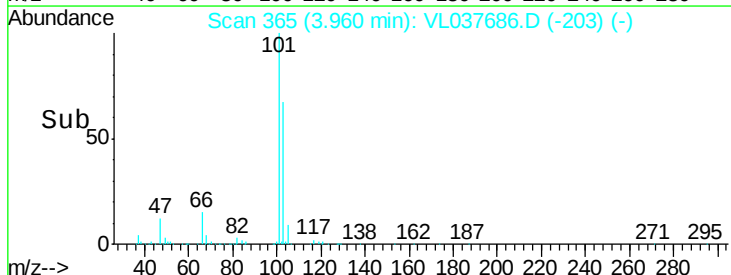
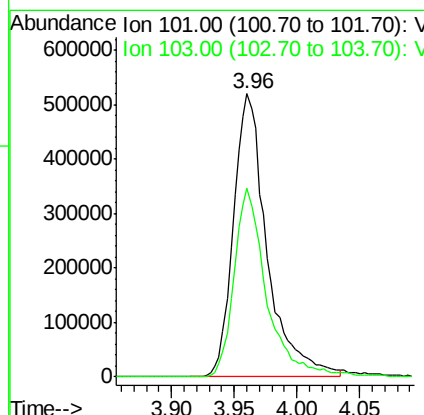
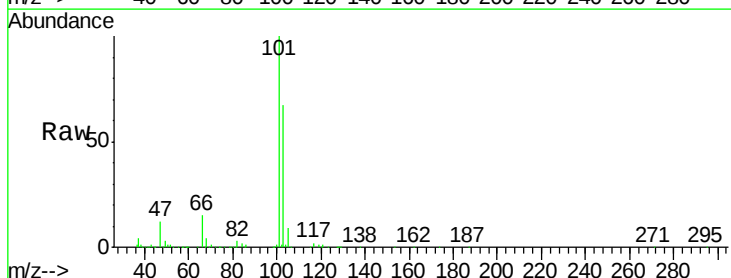
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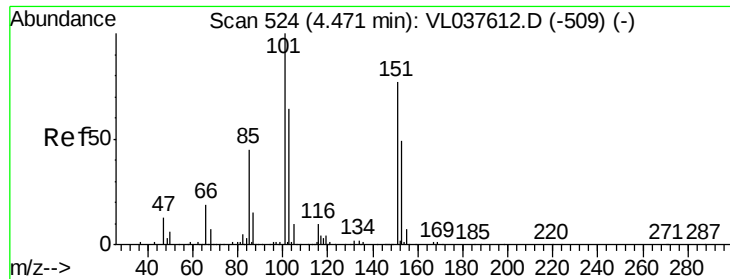
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#11
 Trichlorofluoromethane
 Concen: 4.105 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.02 min
 Lab File: VL037686.D
 Acq: 27 Sep 2021 18:40

Tgt Ion: 101 Resp: 965868
 Ion Ratio Lower Upper
 101 100
 103 66.8 51.9 77.9





#12

1,1,2-Trichlorotrifluoroethane

Concen: 18.531 ppbv

RT: 4.50 min Scan# 532

Delta R.T. 0.03 min

Lab File: VL037686.D

Acq: 27 Sep 2021 18:40

Instrument :

MSVOA_L

ClientSampleId :

INFLUENTDL

Tgt Ion: 101 Resp: 3218312

Ion Ratio Lower Upper

101 100

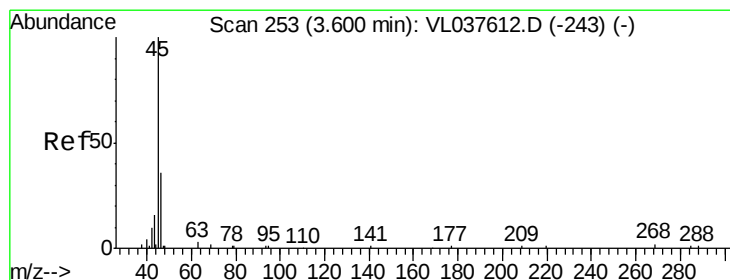
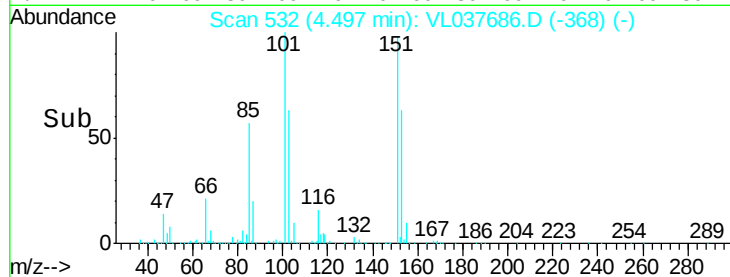
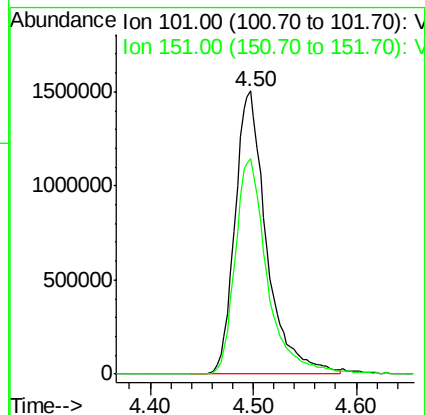
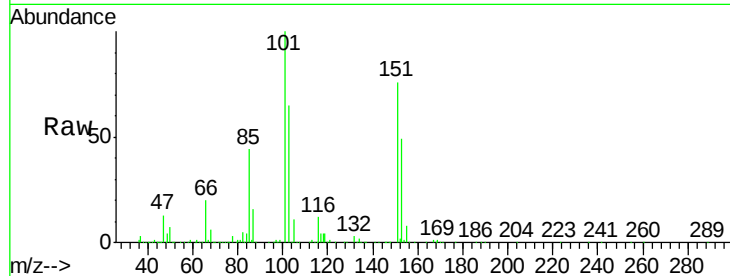
151 77.4 63.5 95.3

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#13

Ethanol

Concen: 3.447 ppbv m

RT: 3.62 min Scan# 260

Delta R.T. 0.02 min

Lab File: VL037686.D

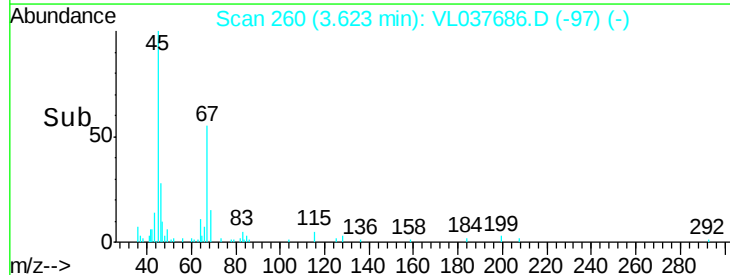
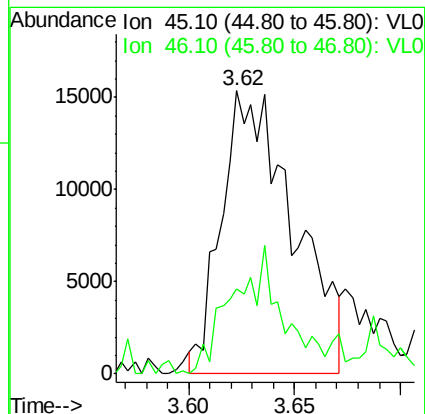
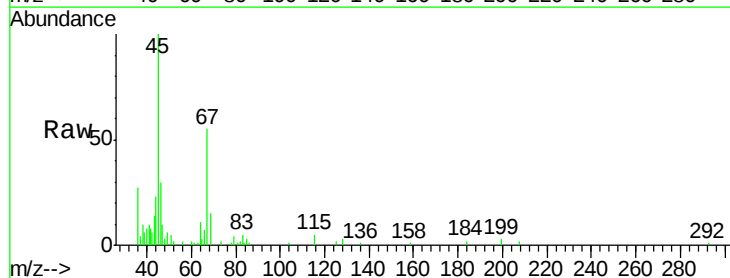
Acq: 27 Sep 2021 18:40

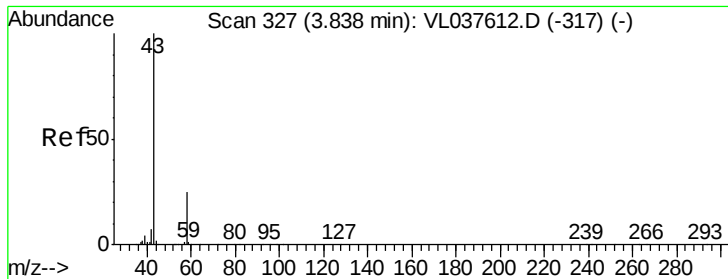
Tgt Ion: 45 Resp: 36328

Ion Ratio Lower Upper

45 100

46 0.0 17.2 68.8#





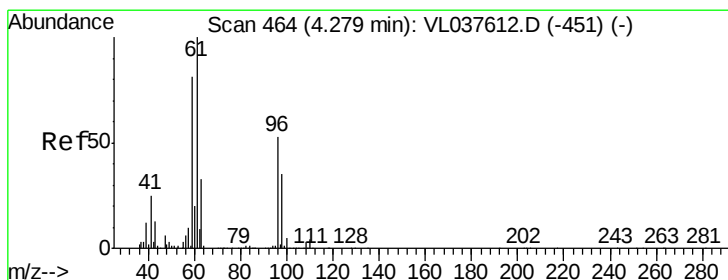
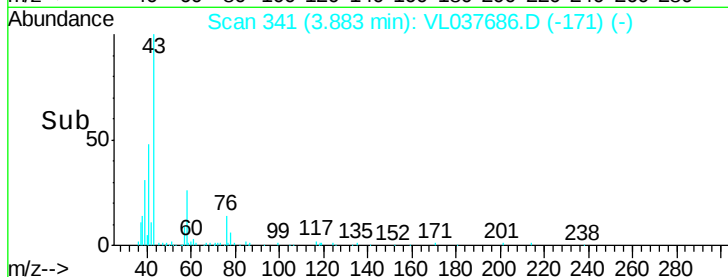
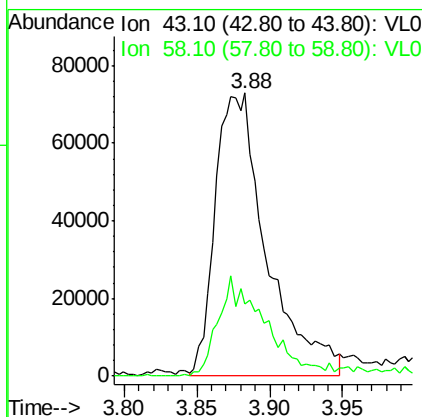
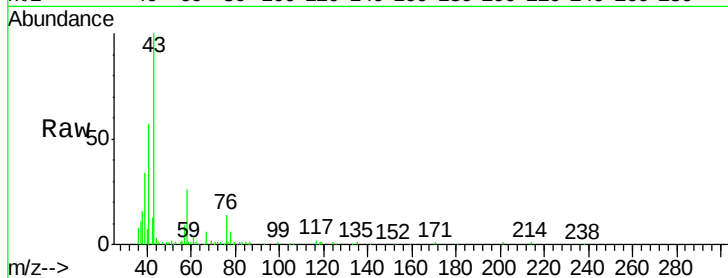
#15
Acetone
Concen: 1.066 ppbv m
RT: 3.88 min Scan# 341
Delta R.T. 0.05 min
Lab File: VL037686.D
Acq: 27 Sep 2021 18:40

Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion: 43 Resp: 179405
Ion Ratio Lower Upper
43 100
58 32.4 24.9 37.3

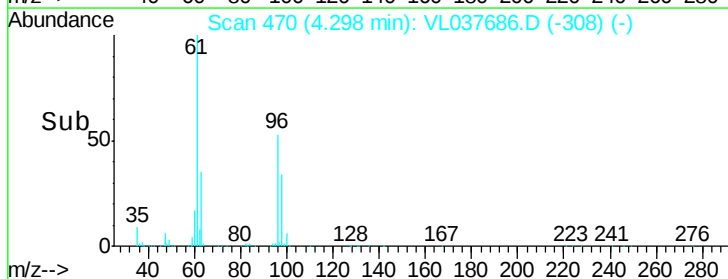
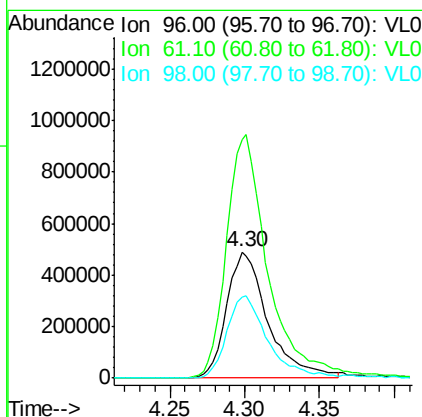
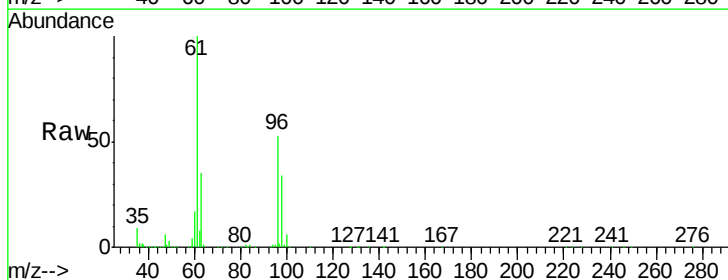
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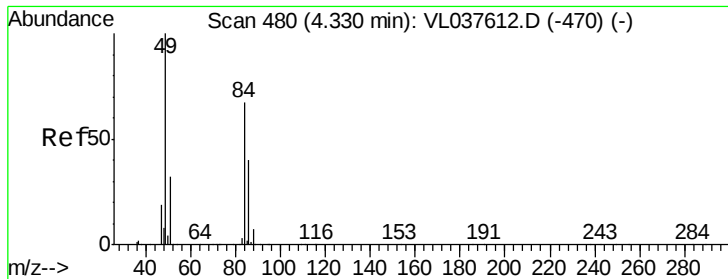
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#18
1,1-Dichloroethene
Concen: 11.591 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.02 min
Lab File: VL037686.D
Acq: 27 Sep 2021 18:40

Tgt Ion: 96 Resp: 937744
Ion Ratio Lower Upper
96 100
61 188.7 150.4 225.6
98 64.0 52.1 78.1





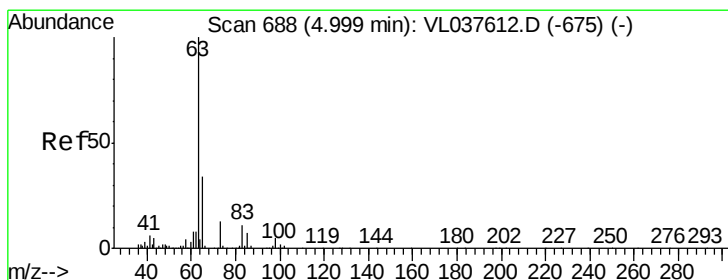
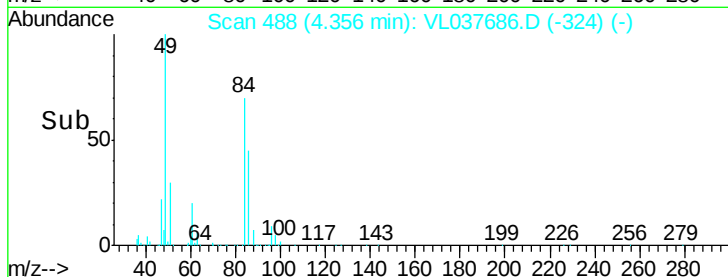
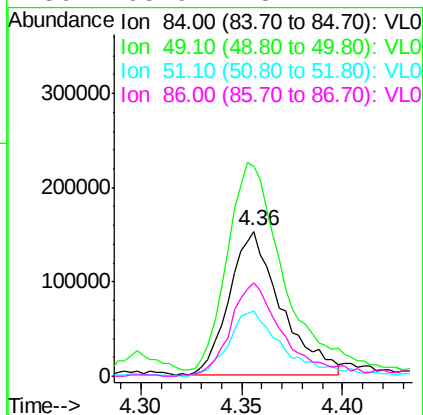
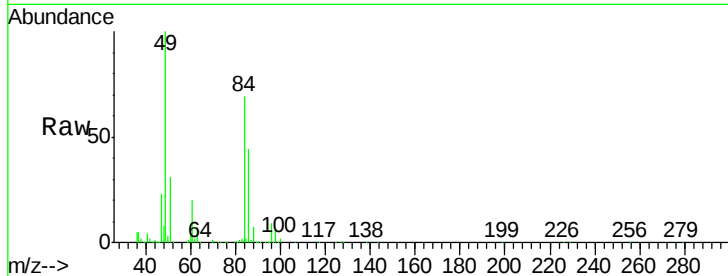
#20
Methylene Chloride
Concen: 3.388 ppbv
RT: 4.36 min Scan# 488
Delta R.T. 0.03 min
Lab File: VL037686.D
Acq: 27 Sep 2021 18:40

Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion:	84	Resp:	272152
Ion	Ratio	Lower	Upper
84	100		
49	141.2	120.0	180.0
51	45.5	38.0	57.0
86	63.9	48.2	72.2

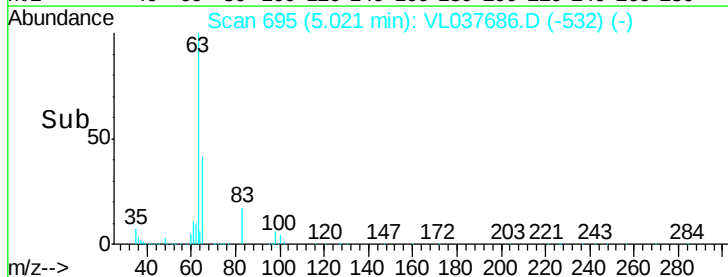
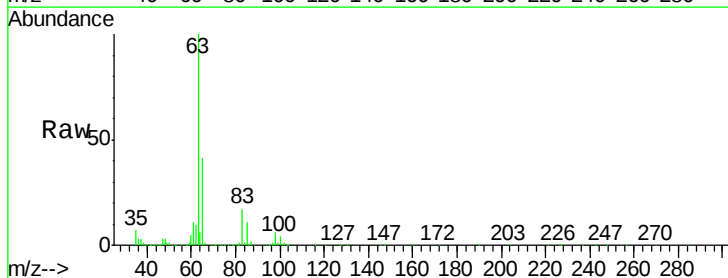
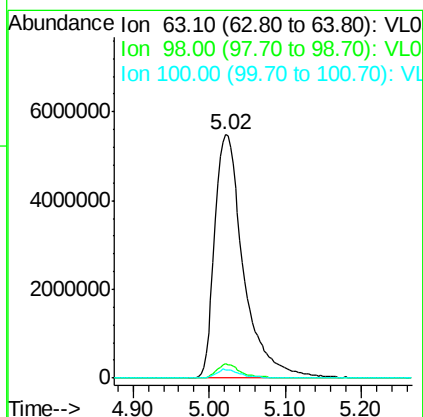
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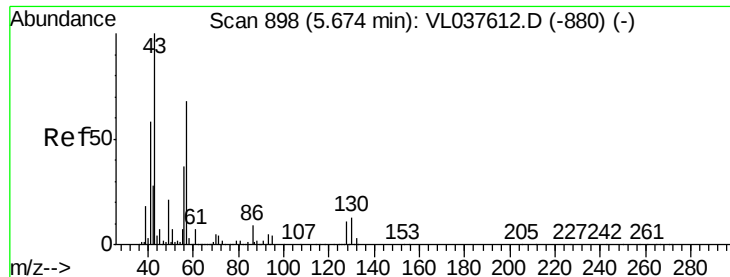
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#24
1,1-Dichloroethane
Concen: 86.860 ppbv
RT: 5.02 min Scan# 695
Delta R.T. 0.02 min
Lab File: VL037686.D
Acq: 27 Sep 2021 18:40

Tgt Ion:	63	Resp:	14488959
Ion	Ratio	Lower	Upper
63	100		
98	5.7	2.4	7.2
100	3.5	1.1	3.5#





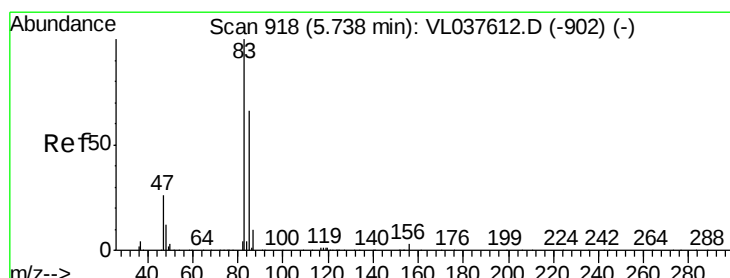
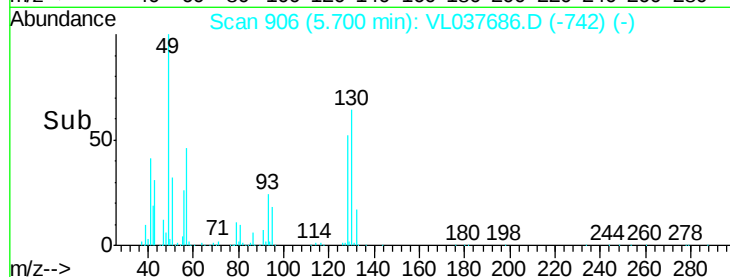
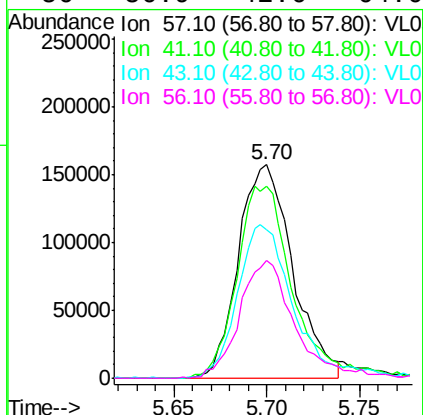
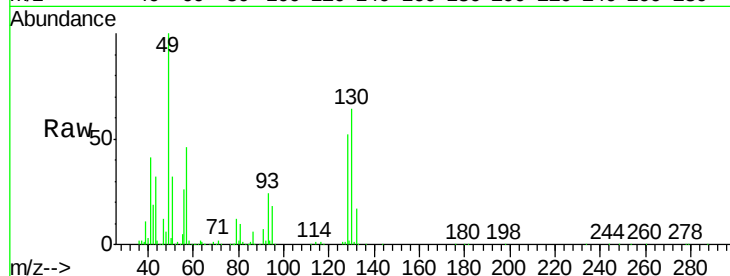
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Hexane
Concen: 1.649 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.03 min
Lab File: VL037686.D
Acq: 27 Sep 2021 18:40

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Tgt Ion	Ratio	Resp	Lower	Upper
57	100	319324		
41	94.4	70.9	106.3	
43	76.4	170.4	255.6	
56	56.9	42.6	64.0	

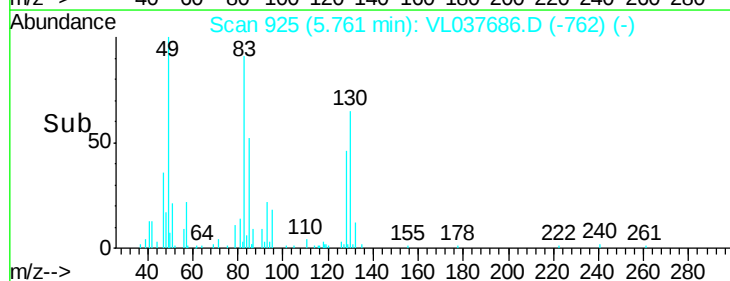
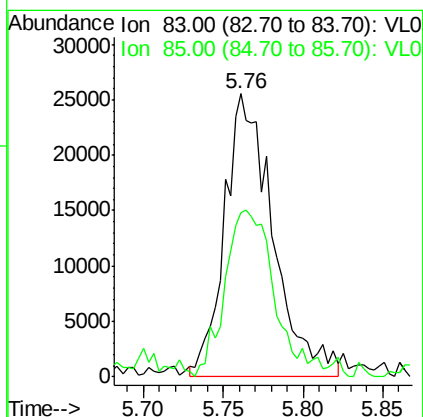
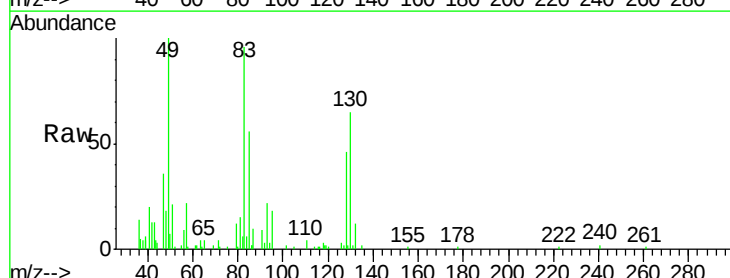
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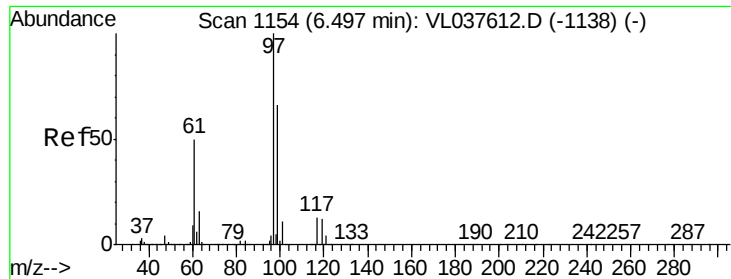
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#29
Chloroform
Concen: 0.191 ppbv m
RT: 5.76 min Scan# 925
Delta R.T. 0.02 min
Lab File: VL037686.D
Acq: 27 Sep 2021 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	54031		
85	58.0	52.6	79.0	





#32

1,1,1-Trichloroethane

Concen: 158.861 ppbv m

RT: 6.53 min Scan# 1163

Delta R.T. 0.03 min

Lab File: VL037686.D

Acq: 27 Sep 2021 18:40

Instrument :

MSVOA_L

ClientSampleId :

INFLUENTDL

Tgt Ion: 97 Resp: 41810288

Ion Ratio Lower Upper

97 100

99 0.0 52.3 78.5#

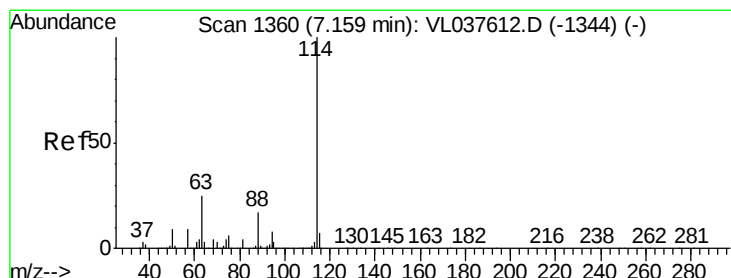
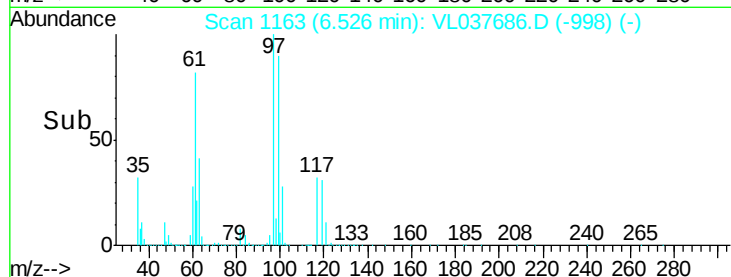
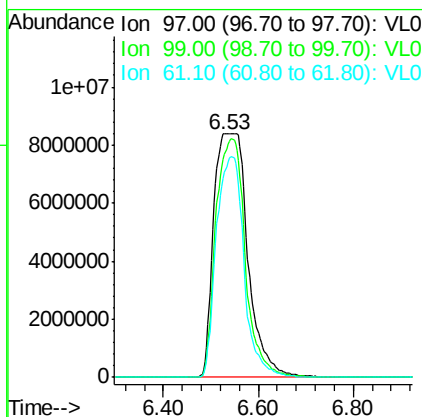
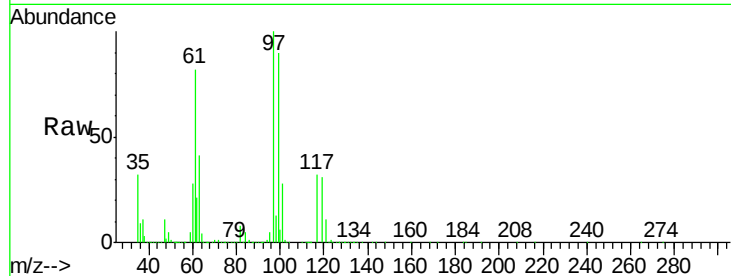
61 0.0 39.5 59.3#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1371

Delta R.T. 0.04 min

Lab File: VL037686.D

Acq: 27 Sep 2021 18:40

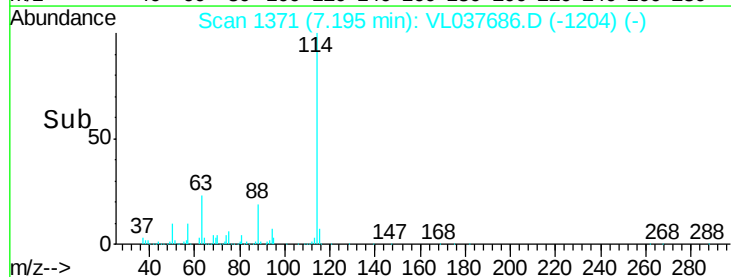
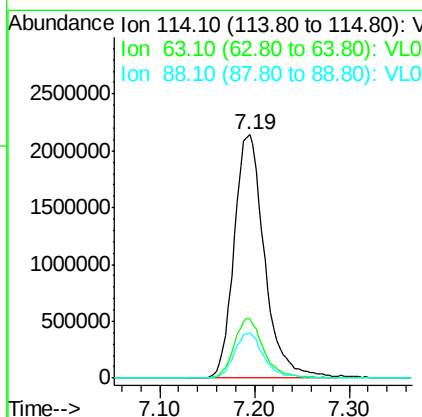
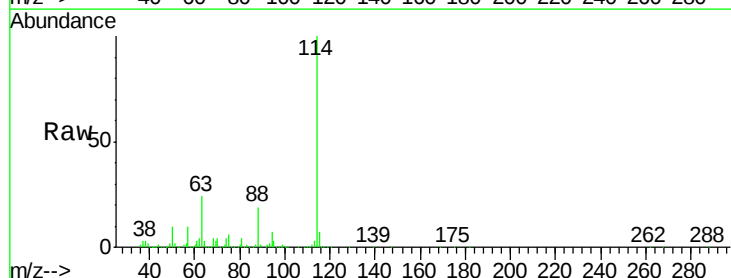
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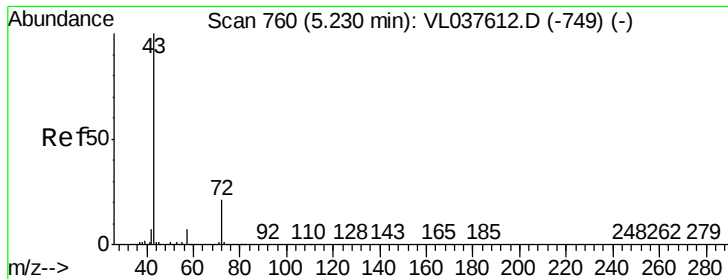
Ion Ratio Lower Upper

114 100

63 24.1 19.6 29.4

88 18.1 14.2 21.4





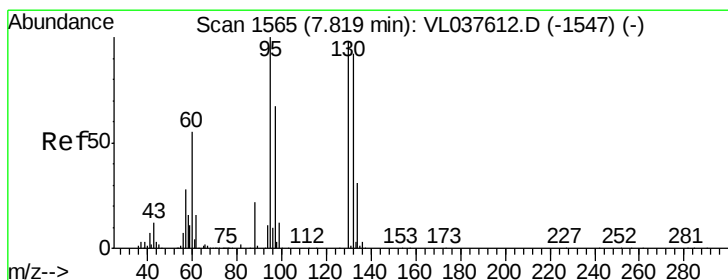
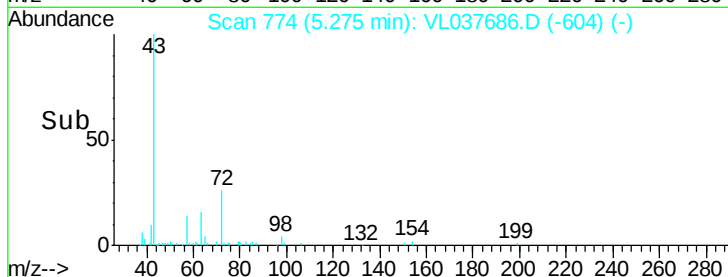
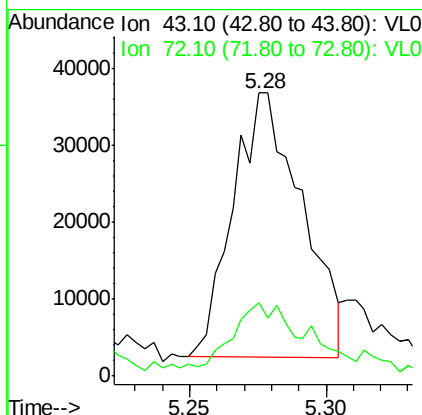
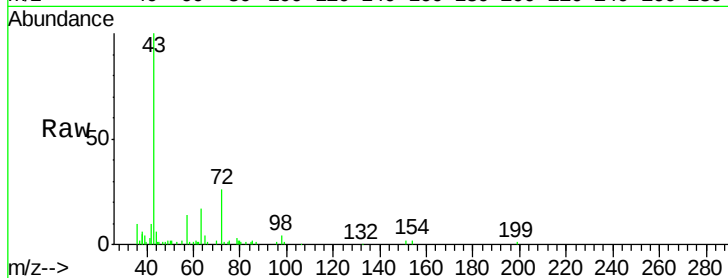
#34
2-Butanone
Concen: 0.310 ppbv
RT: 5.28 min Scan# 774
Delta R.T. 0.05 min
Lab File: VL037686.D
Acq: 27 Sep 2021 18:40

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Tgt Ion: 43 Resp: 60273
Ion Ratio Lower Upper
43 100
72 36.5 18.4 27.6#

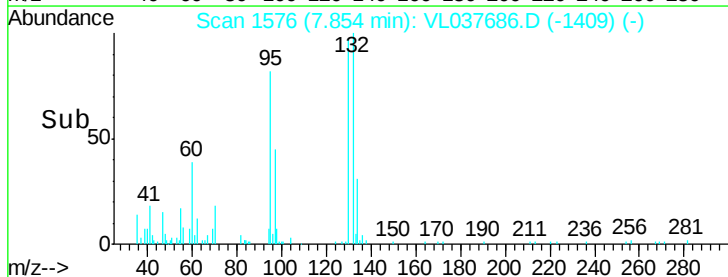
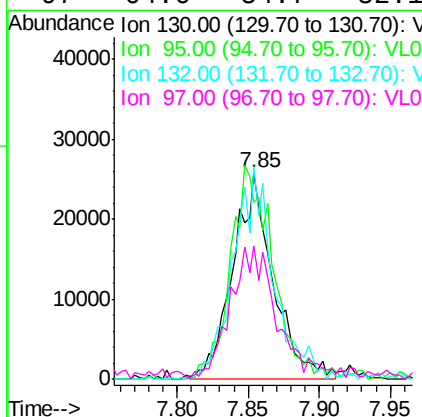
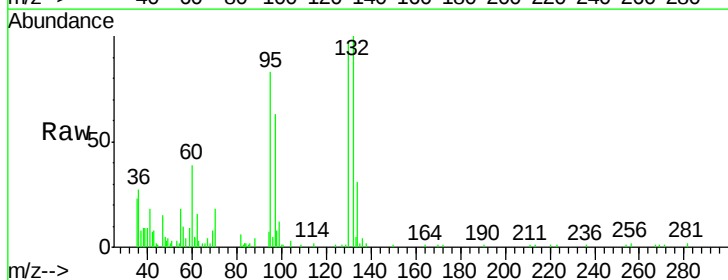
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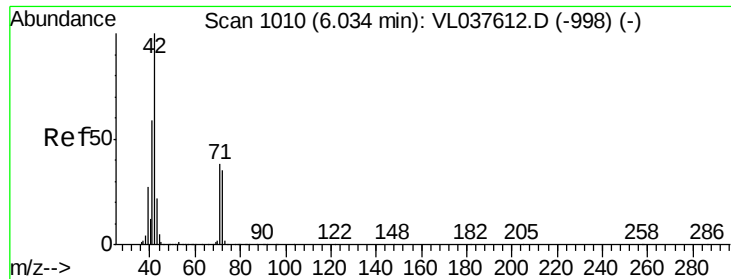
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#38
Trichloroethene
Concen: 0.305 ppbv m
RT: 7.85 min Scan# 1576
Delta R.T. 0.04 min
Lab File: VL037686.D
Acq: 27 Sep 2021 18:40

Tgt Ion: 130 Resp: 50833
Ion Ratio Lower Upper
130 100
95 85.6 81.8 122.6
132 103.0 75.3 112.9
97 64.6 54.7 82.1





#41

Tetrahydrofuran

Concen: 3.318 ppbv m

RT: 6.09 min Scan# 1026

Delta R.T. 0.05 min

Lab File: VL037686.D

Acq: 27 Sep 2021 18:40

Instrument :

MSVOA_L

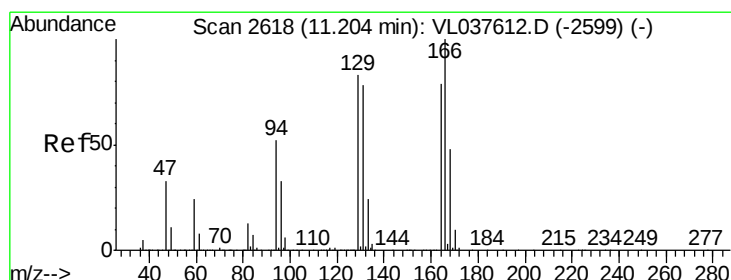
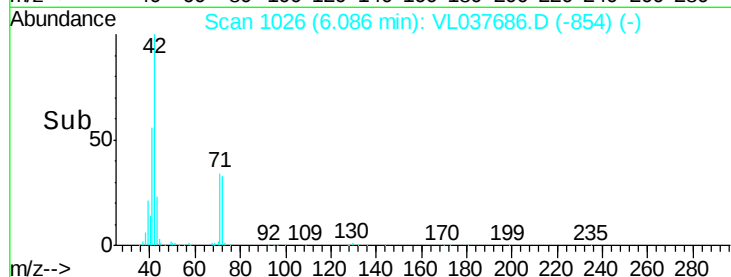
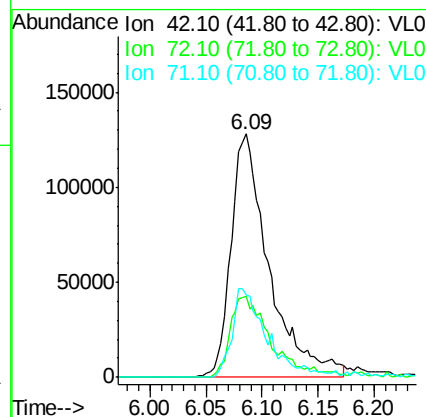
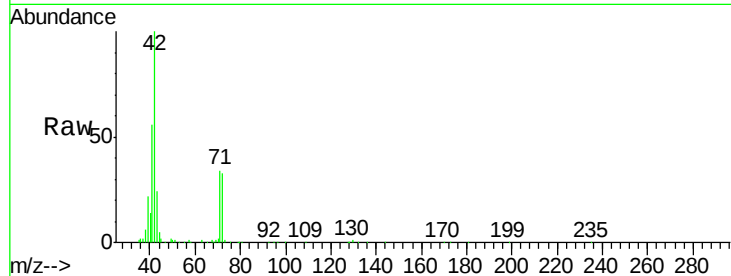
ClientSampleId :

INFLUENTDL

Tgt Ion:	42	Resp:	303187
Ion Ratio		Lower	Upper
42	100		
72	36.9	31.4	47.2
71	34.4	30.6	46.0

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#52

Tetrachloroethene

Concen: 0.979 ppbv

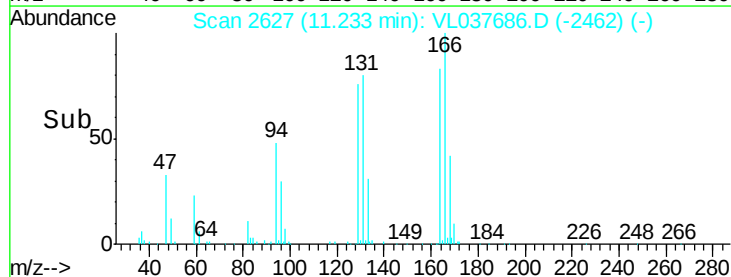
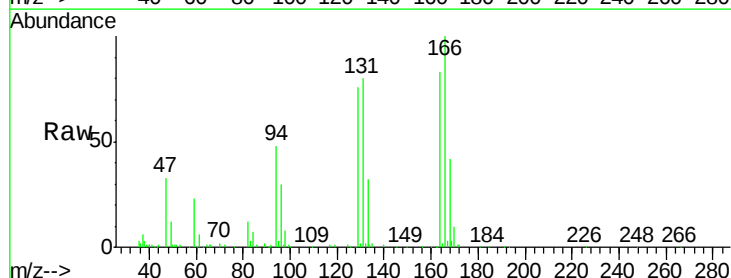
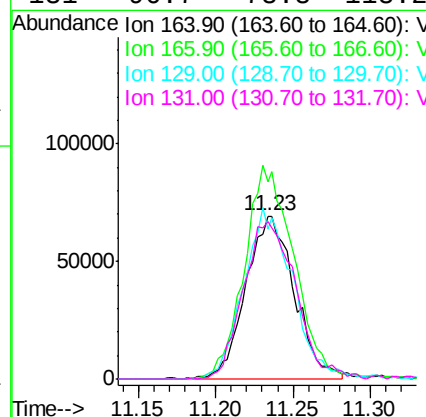
RT: 11.23 min Scan# 2627

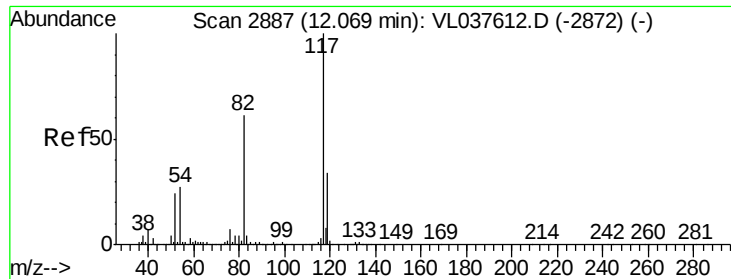
Delta R.T. 0.03 min

Lab File: VL037686.D

Acq: 27 Sep 2021 18:40

Tgt Ion:	164	Resp:	149934
Ion Ratio		Lower	Upper
164	100		
166	120.9	101.2	151.8
129	92.1	84.0	126.0
131	96.7	78.8	118.2





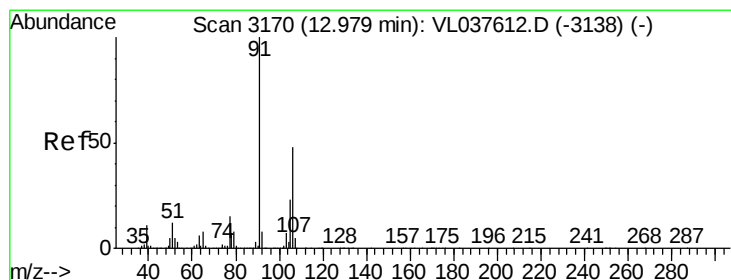
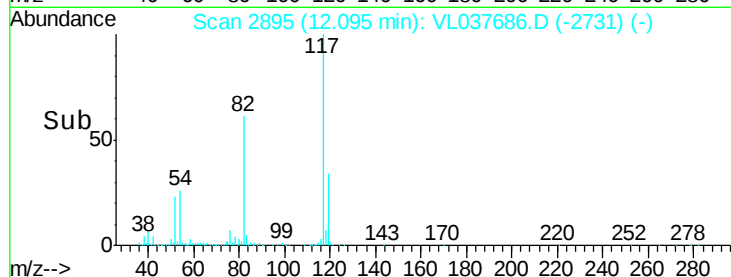
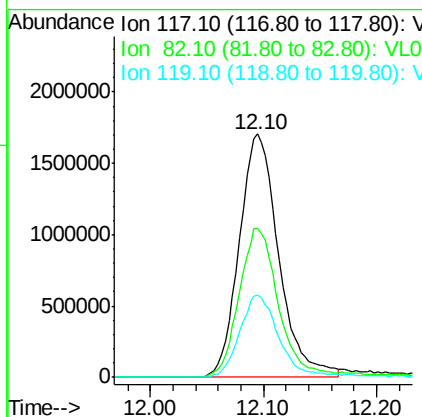
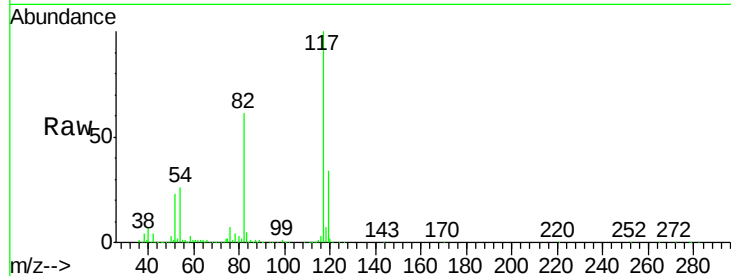
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. 0.03 min
Lab File: VL037686.D
Acq: 27 Sep 2021 18:40

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Tgt Ion:117 Resp: 4140034
Ion Ratio Lower Upper
117 100
82 64.0 50.6 75.8
119 34.8 26.2 39.2

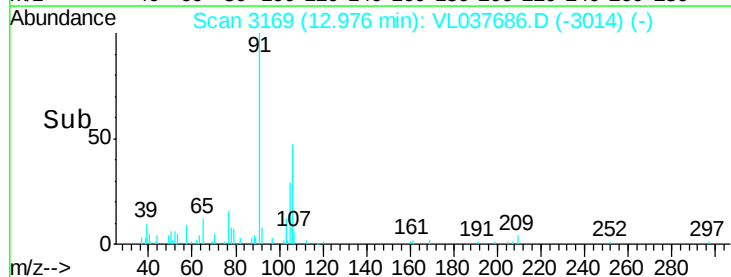
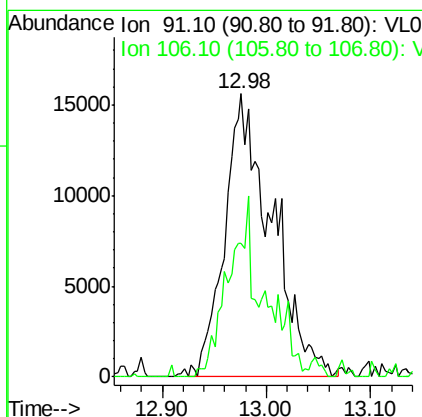
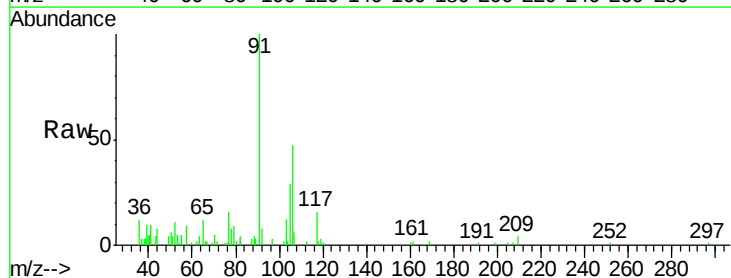
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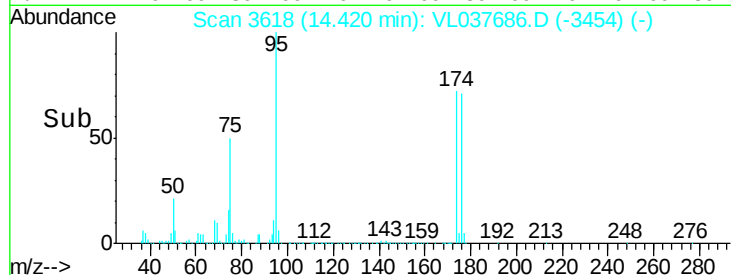
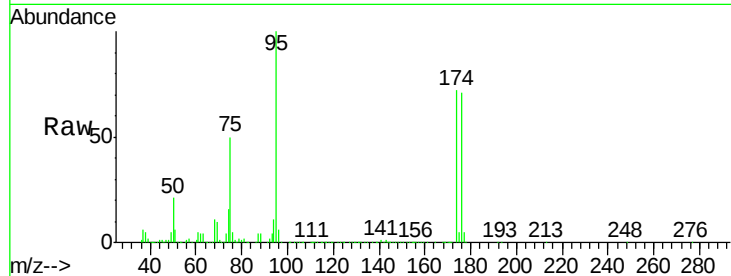
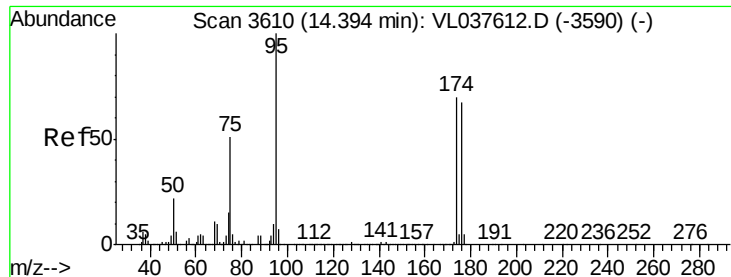
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#59
m/p-Xylene
Concen: 0.102 ppbv m
RT: 12.98 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VL037686.D
Acq: 27 Sep 2021 18:40

Tgt Ion: 91 Resp: 48955
Ion Ratio Lower Upper
91 100
106 0.0 36.6 55.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.662 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. 0.03 min

Lab File: VL037686.D

Acq: 27 Sep 2021 18:40

Tgt Ion: 95 Resp: 2890870

Ion Ratio Lower Upper

95 100

174 78.9 56.3 84.5

175 5.8 4.4 6.6

Instrument :

MSVOA_L

ClientSampleId :

INFLUENTDL

Manual Integrations

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