

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081221\
 Data File : VL037431.D
 Acq On : 13 Aug 2021 2:38
 Operator : SY/AP
 Sample : M3211-02REDL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-2REDL

Manual Integrations
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Quant Time: Aug 14 07:09:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 13 2021
 QLast Update : Fri Aug 13 01:37:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1265953	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3772602	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3163978	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2185873	9.63	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	26385	0.316	ppbv	91
13) Ethanol	3.63	45	62662m	7.034	ppbv	
15) Acetone	3.85	43	629746	4.691	ppbv	90
19) Isopropyl Alcohol	3.99	45	29069m	0.372	ppbv	
20) Methylene Chloride	4.34	84	634592	8.939	ppbv	95
26) Hexane	5.68	57	531244	3.217	ppbv #	47
27) Carbon Disulfide	4.55	76	27838m	0.200	ppbv	
30) Cyclohexane	7.12	84	15787m	0.116	ppbv	
32) 1,1,1-Trichloroethane	6.51	97	7107m	0.030	ppbv	
34) 2-Butanone	5.24	43	267659	1.718	ppbv #	88
41) Tetrahydrofuran	6.05	42	403832	5.646	ppbv	98
52) Tetrachloroethene	11.22	164	73320m	0.547	ppbv	
53) Toluene	9.80	91	53328m	0.147	ppbv	
59) m/p-Xylene	12.96	91	36093m	0.096	ppbv	

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

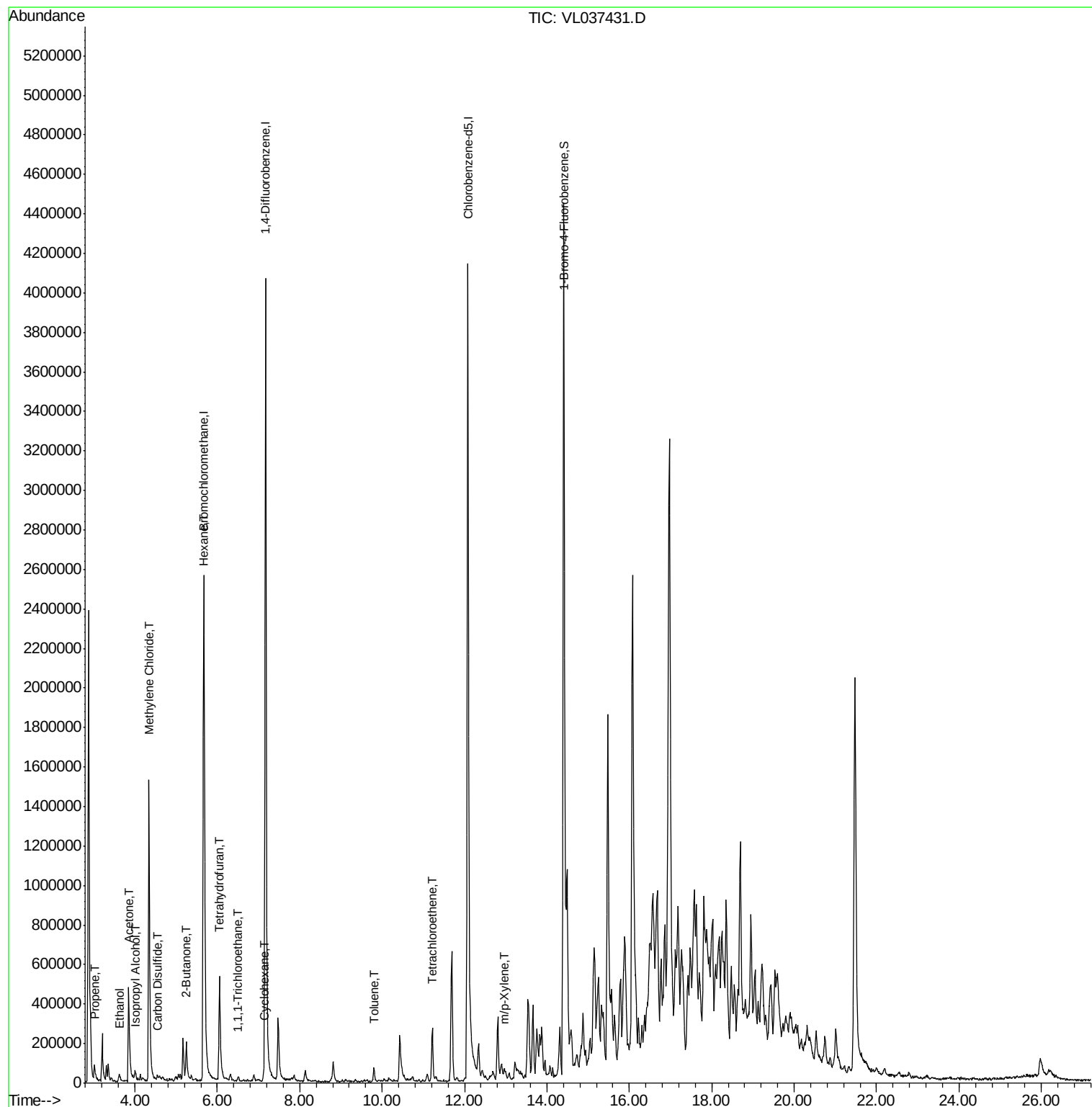
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081221\
Data File : VL037431.D
Acq On : 13 Aug 2021 2:38
Operator : SY/AP
Sample : M3211-02REDL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

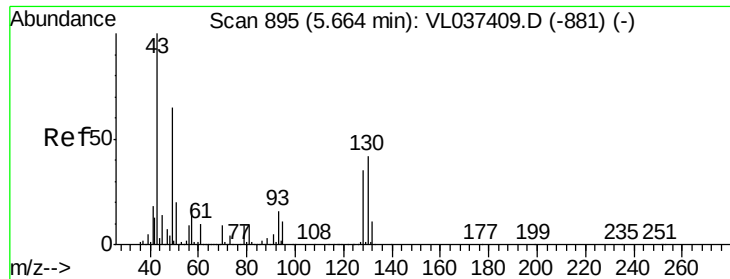
Instrument :
MSVOA_L
ClientSampleId :
SVP-2REDL

Manual Integrations
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Quant Time: Aug 14 07:09:14 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Aug 13 01:37:35 2021
Response via : Initial Calibration





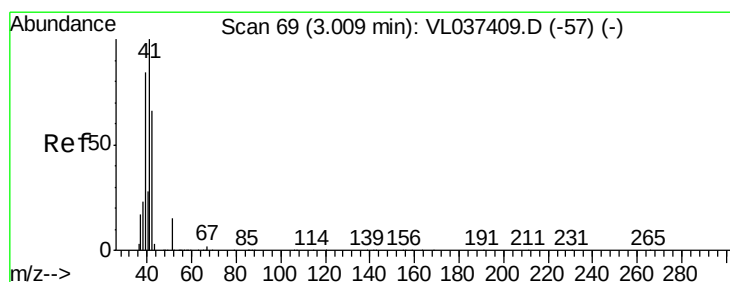
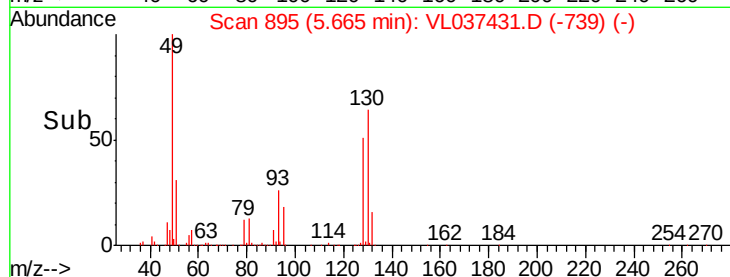
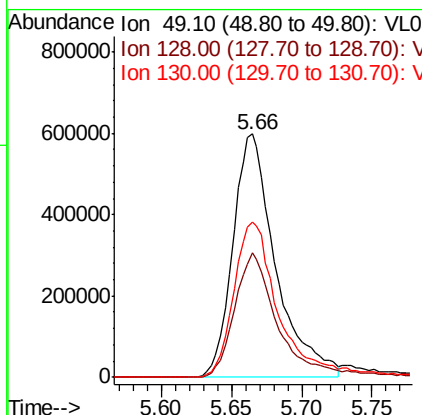
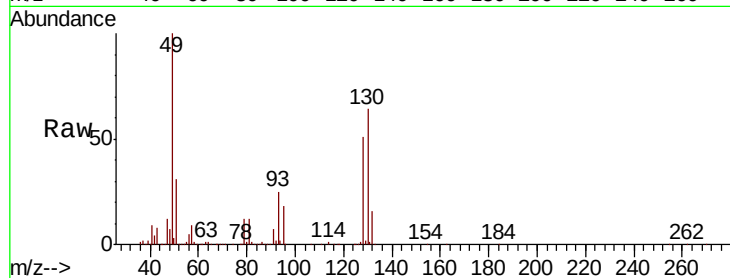
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VL037431.D
 Acq: 13 Aug 2021 2:38

Instrument :
 MSVOA_L
 ClientSampled :
 SVP-2REDL

Tot Ion: 49 Resp: 1265953
 Ion Ratio Lower Upper
 49 100
 128 52.9 27.9 83.6
 130 69.4 34.6 103.8

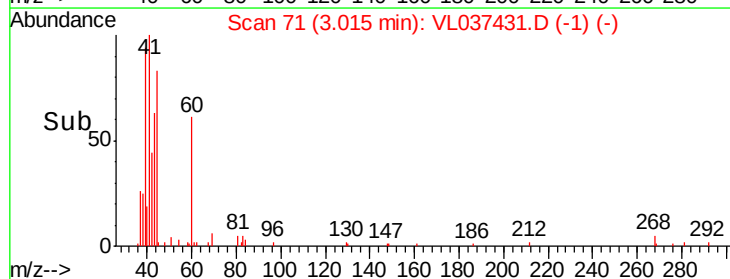
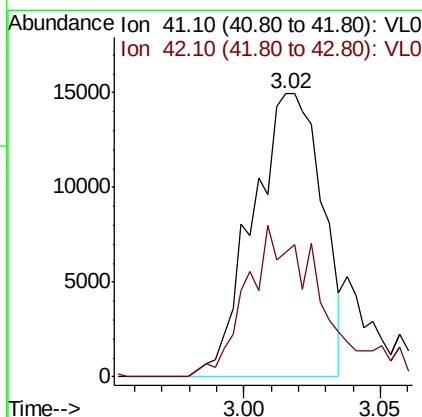
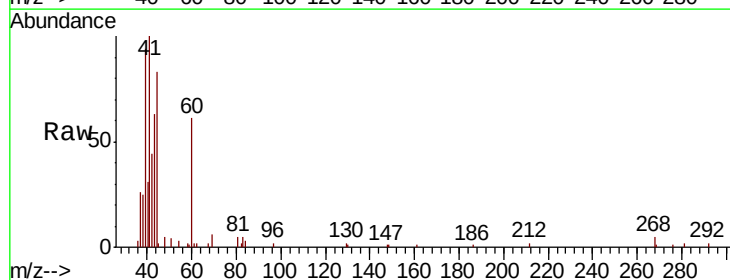
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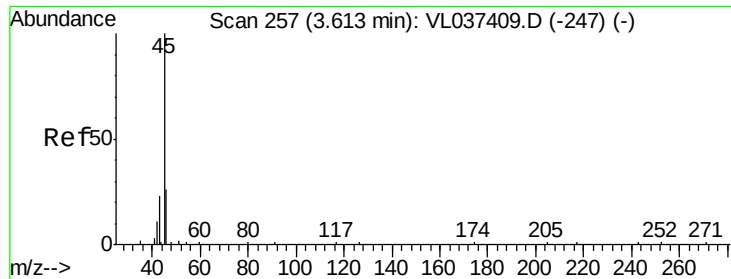
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#9
 Propene
 Concen: 0.316 ppbv
 RT: 3.02 min Scan# 71
 Delta R.T. 0.01 min
 Lab File: VL037431.D
 Acq: 13 Aug 2021 2:38

Tgt Ion: 41 Resp: 26385
 Ion Ratio Lower Upper
 41 100
 42 60.0 53.8 80.8





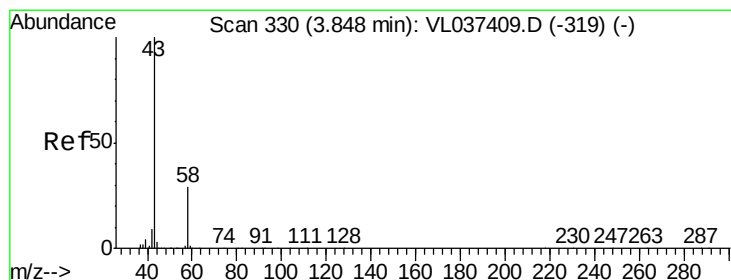
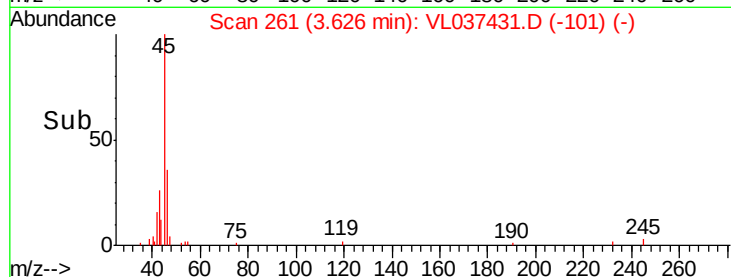
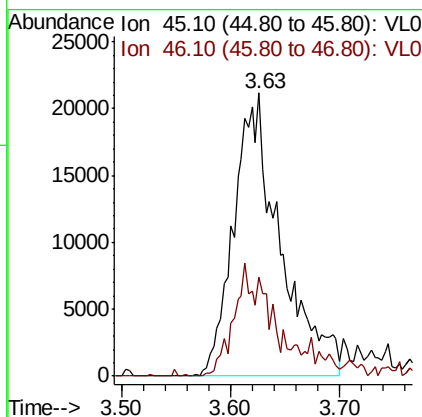
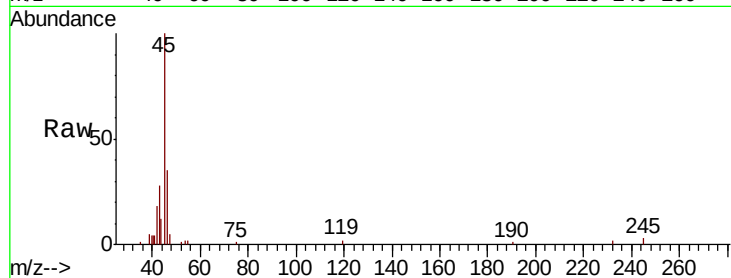
#13
Ethanol
Concen: 7.034 ppbv m
RT: 3.63 min Scan# 261
Delta R.T. 0.01 min
Lab File: VL037431.D
Acq: 13 Aug 2021 2:38

Instrument :
MSVOA_L
ClientSampleId :
SVP-2REDL

Tot Ion	45	Resp	62662
Ion Ratio	100	Lower	Upper
45	100		
46	39.5	18.0	72.2

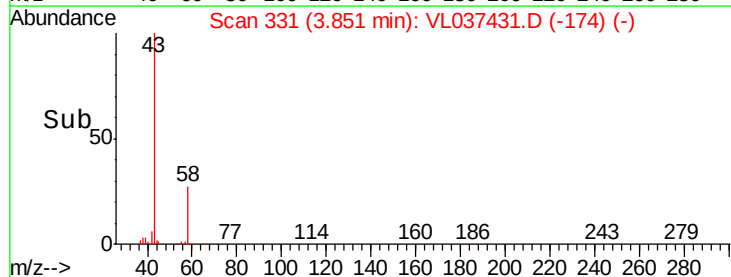
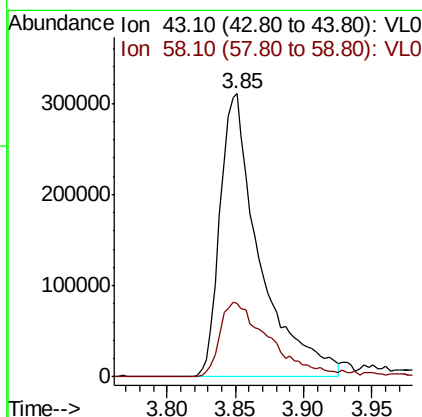
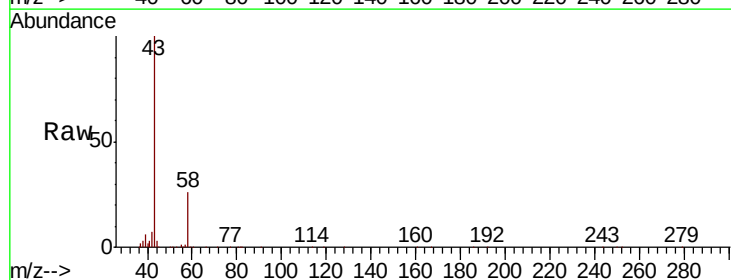
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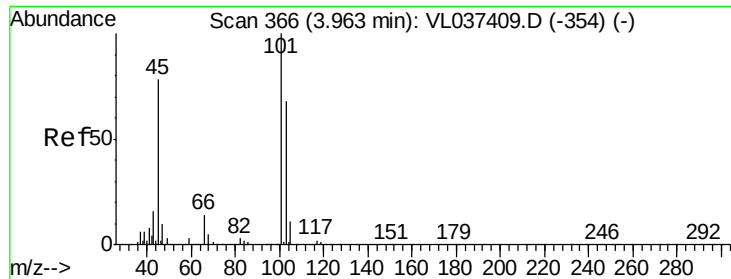
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#15
Acetone
Concen: 4.691 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL037431.D
Acq: 13 Aug 2021 2:38

Tgt Ion	43	Resp	629746
Ion Ratio	100	Lower	Upper
43	100		
58	36.0	24.4	36.6





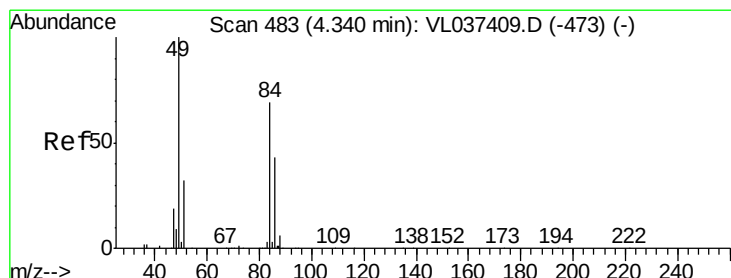
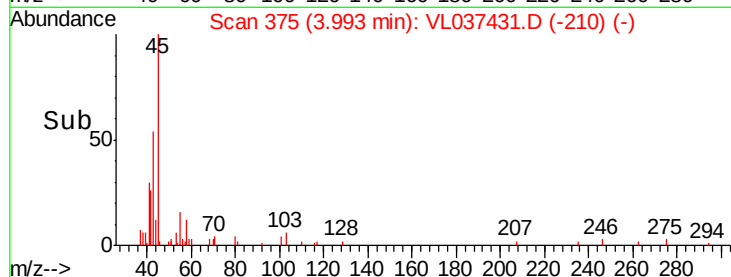
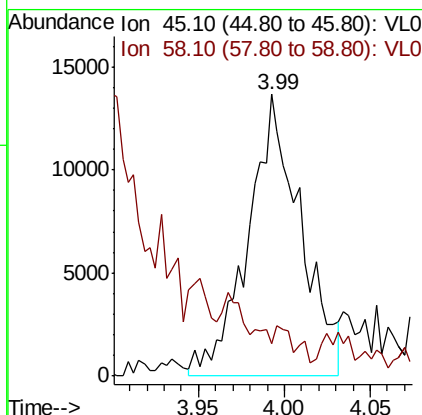
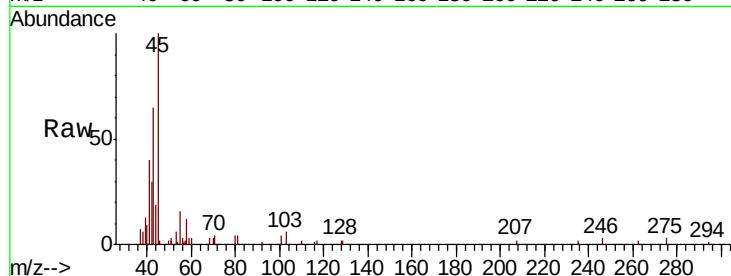
#19
Isopropyl Alcohol
Concen: 0.372 ppbv m
RT: 3.99 min Scan# 375
Delta R.T. 0.03 min
Lab File: VL037431.D
Acq: 13 Aug 2021 2:38

Instrument :
MSVOA_L
ClientSampleId :
SVP-2REDL

Tot Ion: 45 Resp: 29069
Ion Ratio Lower Upper
45 100
58 0.0 2.2 3.4#

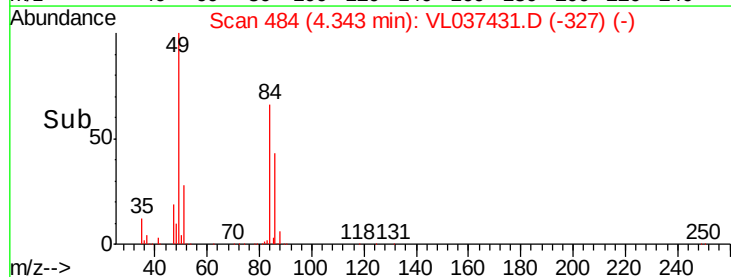
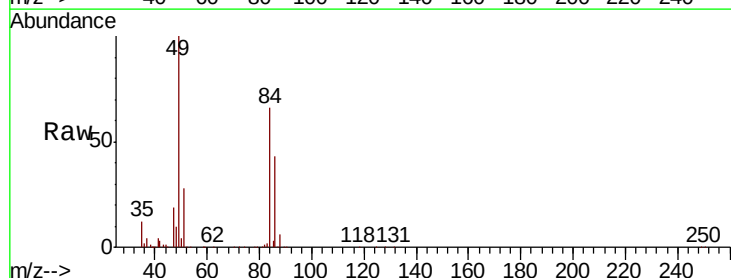
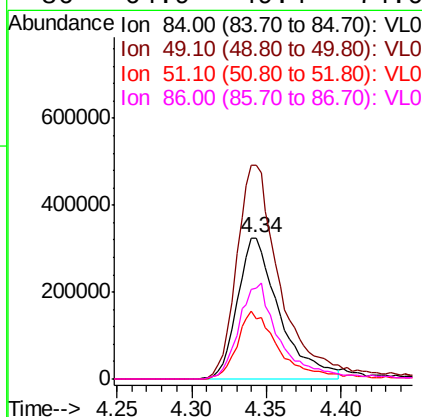
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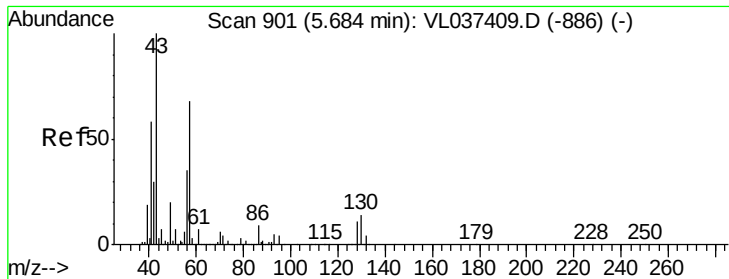
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#20
Methylene Chloride
Concen: 8.939 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.00 min
Lab File: VL037431.D
Acq: 13 Aug 2021 2:38

Tgt Ion: 84 Resp: 634592
Ion Ratio Lower Upper
84 100
49 151.3 116.0 174.0
51 43.0 37.1 55.7
86 64.9 49.4 74.0





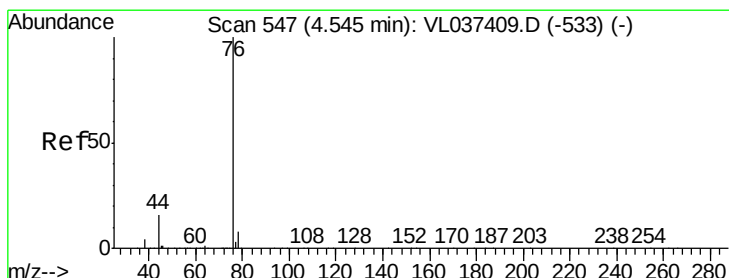
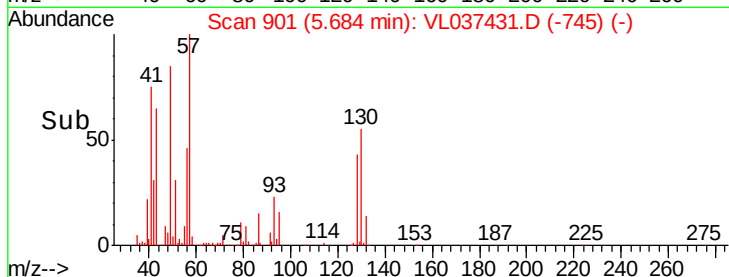
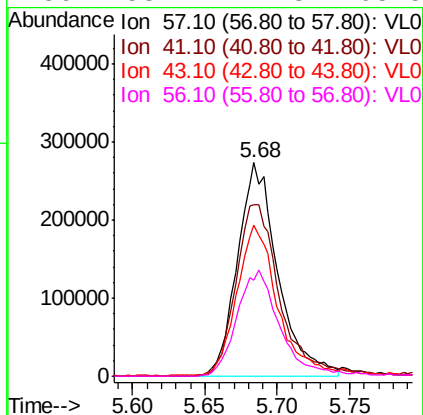
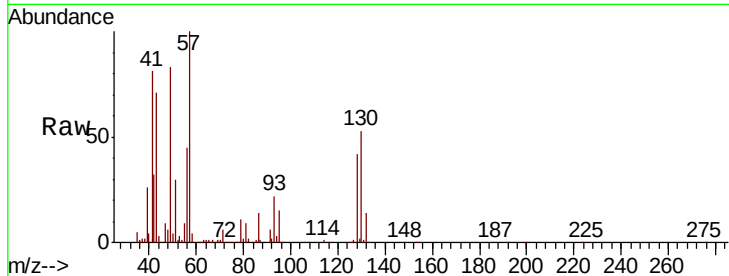
#26
Hexane
Concen: 3.217 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL037431.D
Acq: 13 Aug 2021 2:38

Instrument :
MSVOA_L
ClientSampleId :
SVP-2REDL

Tot Ion	Ratio	Lower	Upper
57	100		
41	89.6	72.5	108.7
43	72.3	169.3	253.9#
56	53.4	42.3	63.5

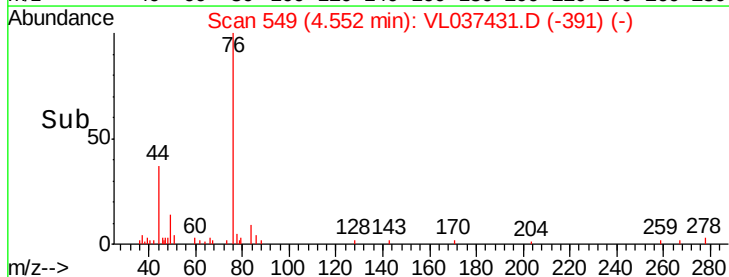
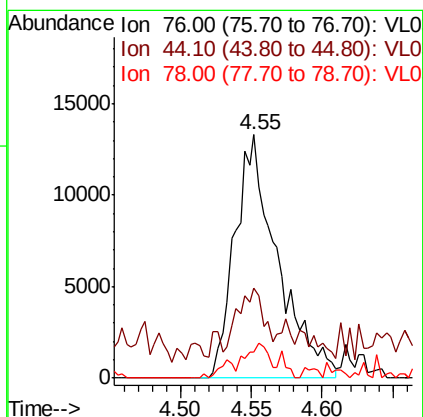
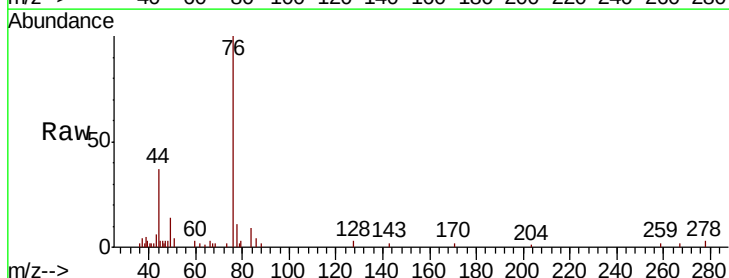
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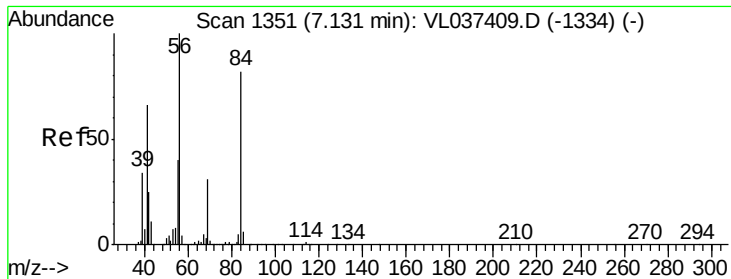
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#27
Carbon Disulfide
Concen: 0.200 ppbv m
RT: 4.55 min Scan# 549
Delta R.T. 0.01 min
Lab File: VL037431.D
Acq: 13 Aug 2021 2:38

Tgt Ion	Ratio	Lower	Upper
76	100		
44	31.8	14.4	21.6#
78	12.2	8.0	12.0#





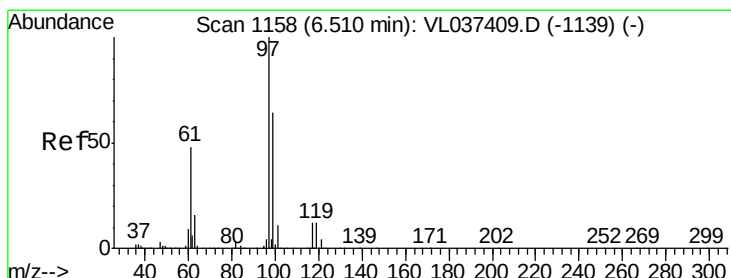
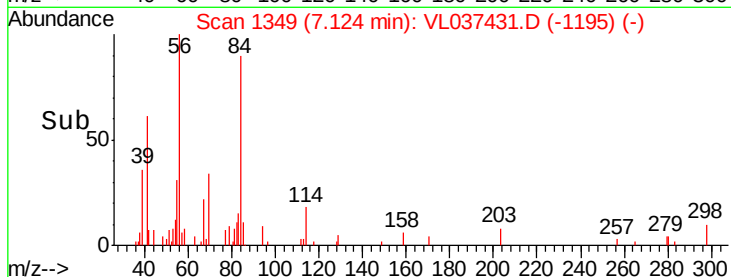
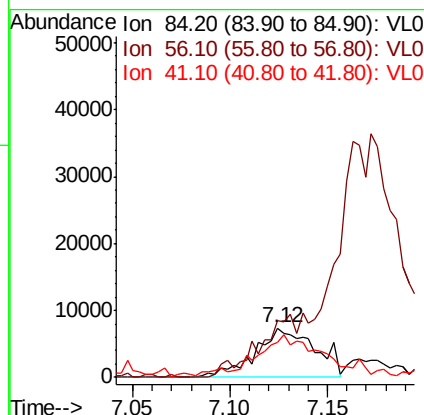
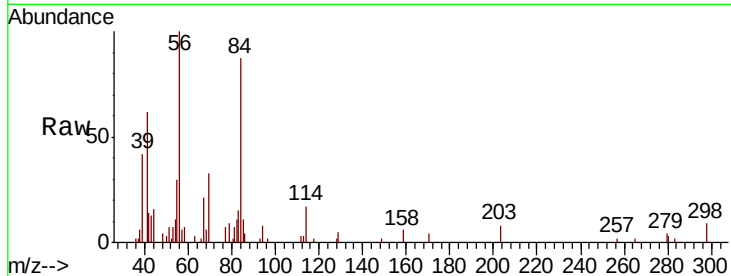
#30
Cyclohexane
Concen: 0.116 ppbv m
RT: 7.12 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VL037431.D
Acq: 13 Aug 2021 2:38

Instrument :
MSVOA_L
ClientSampleId :
SVP-2REDL

Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	109.6	164.4#
41	0.0	66.6	99.8#

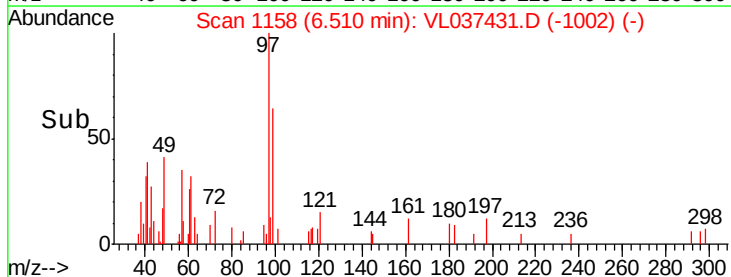
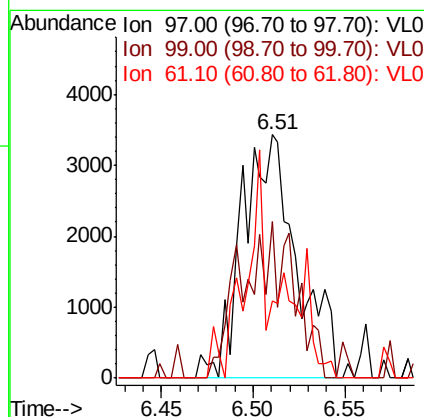
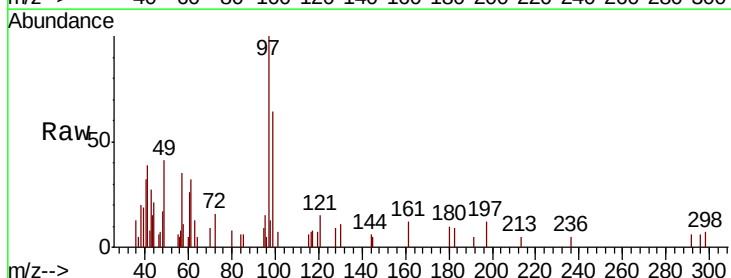
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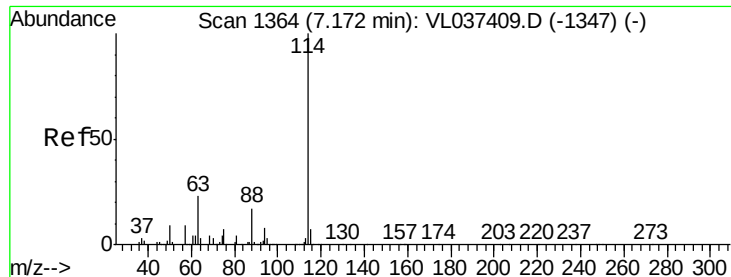
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#32
1,1,1-Trichloroethane
Concen: 0.030 ppbv m
RT: 6.51 min Scan# 1158
Delta R.T. 0.00 min
Lab File: VL037431.D
Acq: 13 Aug 2021 2:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.2	52.3	78.5
61	0.0	40.1	60.1#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VL037431.D

Acq: 13 Aug 2021 2:38

Instrument :

MSVOA_L

ClientSampleId :

SVP-2REDL

Tot Ion:114 Resp: 3772602

Ion Ratio Lower Upper

114 100

63 23.7 19.4 29.2

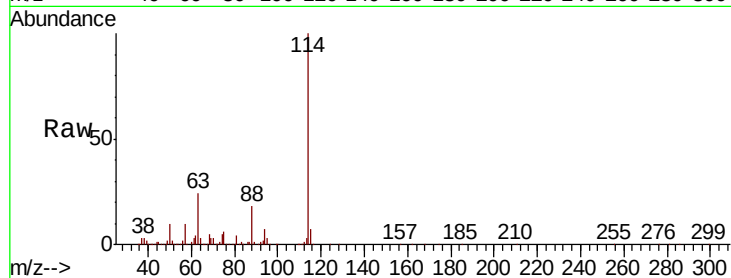
88 18.3 14.2 21.4

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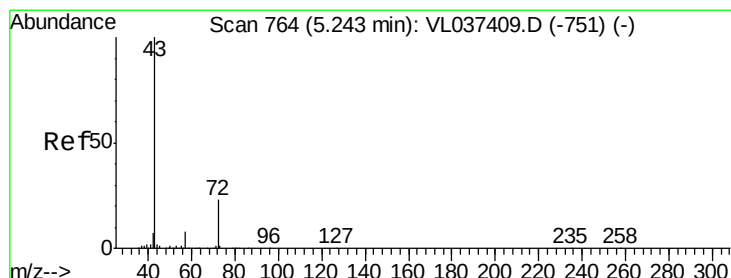
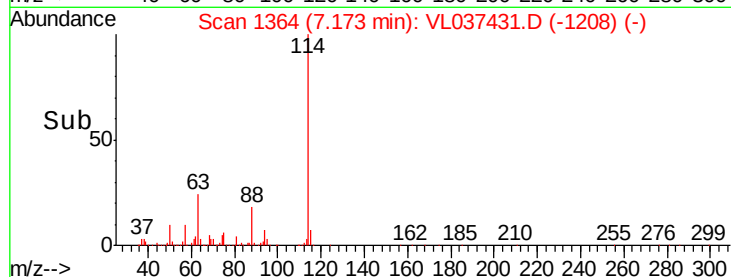
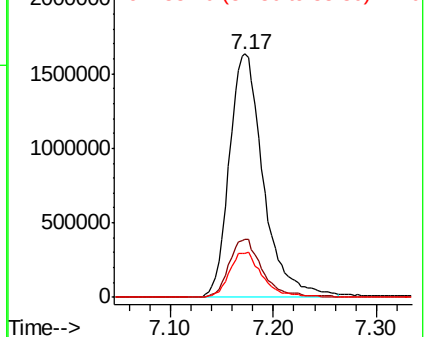
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 1.718 ppbv

RT: 5.24 min Scan# 764

Delta R.T. 0.00 min

Lab File: VL037431.D

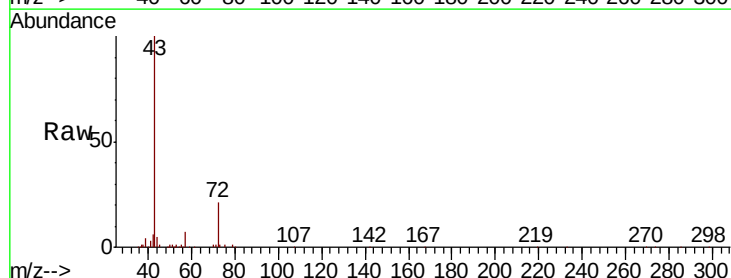
Acq: 13 Aug 2021 2:38

Tgt Ion: 43 Resp: 267659

Ion Ratio Lower Upper

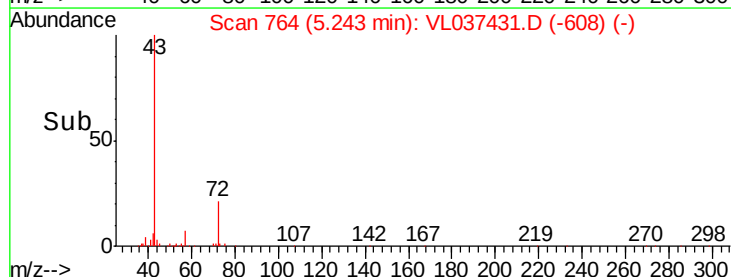
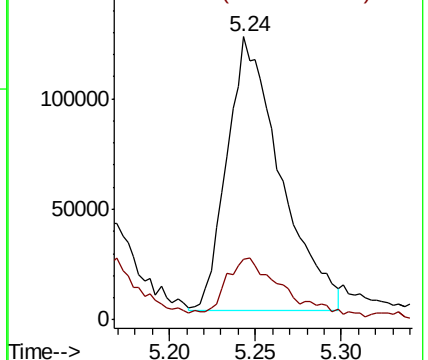
43 100

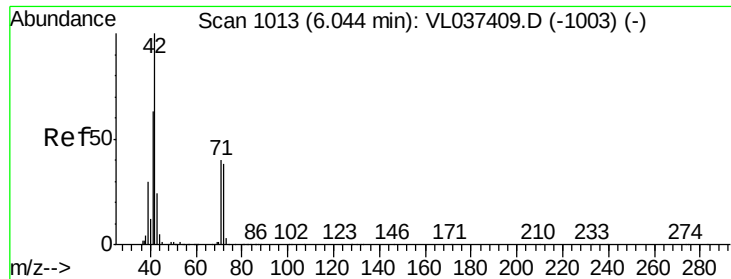
72 27.7 17.7 26.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





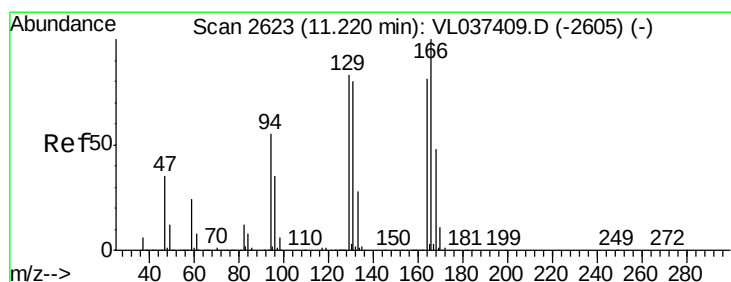
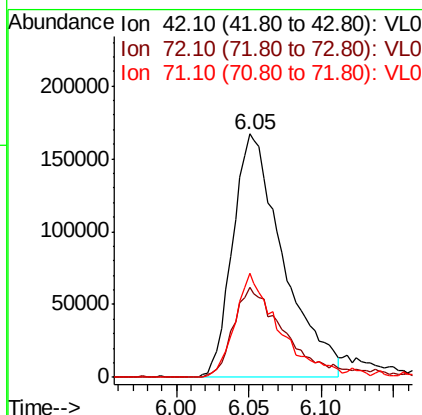
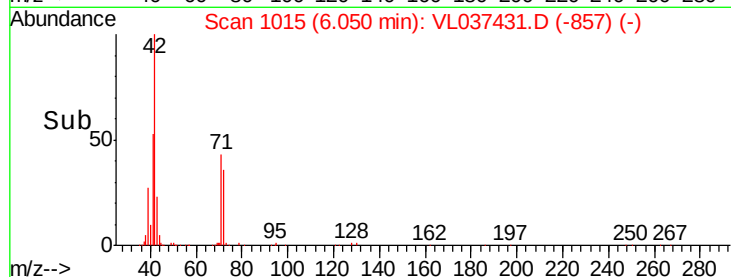
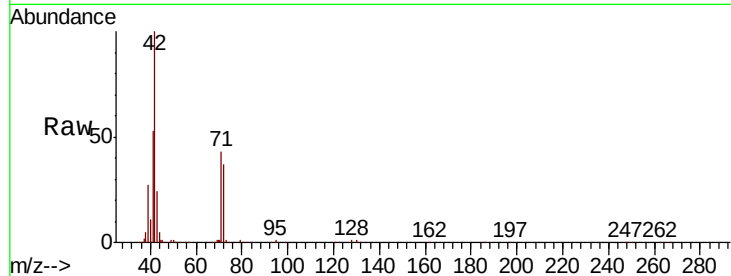
#41
Tetrahydrofuran
Concen: 5.646 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VL037431.D
Acq: 13 Aug 2021 2:38

Instrument :
MSVOA_L
ClientSampleId :
SVP-2REDL

Tot Ion	42	Resp	403832
Ion Ratio	Lower	Upper	
42	100		
72	40.7	33.5	50.3
71	39.4	32.6	48.8

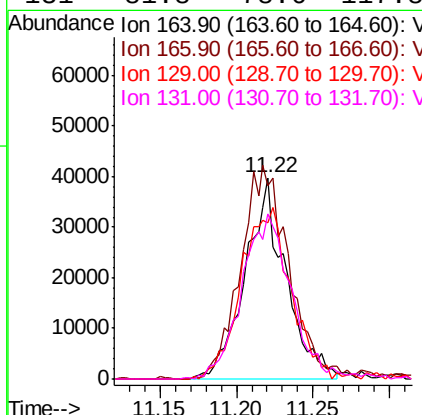
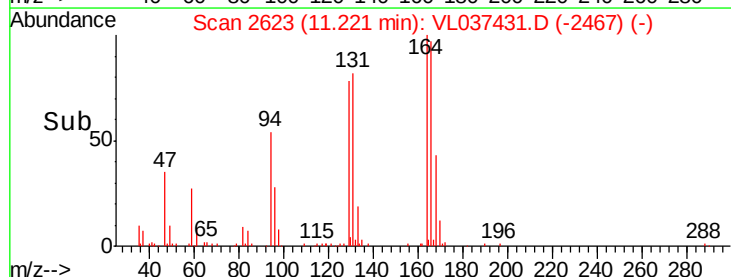
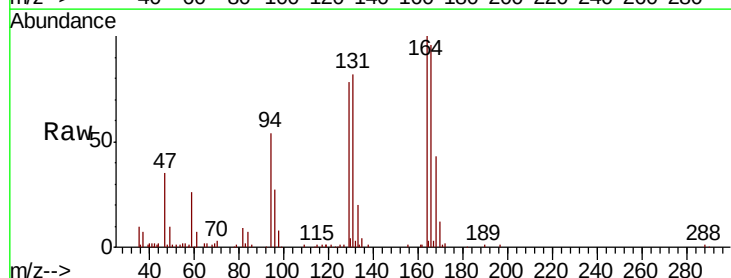
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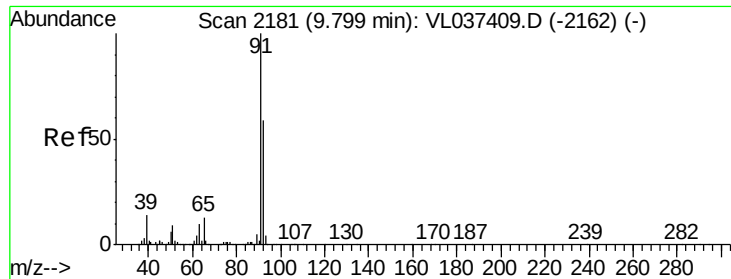
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#52
Tetrachloroethene
Concen: 0.547 ppbv m
RT: 11.22 min Scan# 2623
Delta R.T. 0.00 min
Lab File: VL037431.D
Acq: 13 Aug 2021 2:38

Tgt Ion	164	Resp	73320
Ion Ratio	Lower	Upper	
164	100		
166	95.9	98.6	147.8#
129	77.8	82.0	123.0#
131	81.8	78.6	117.8





#53

Toluene

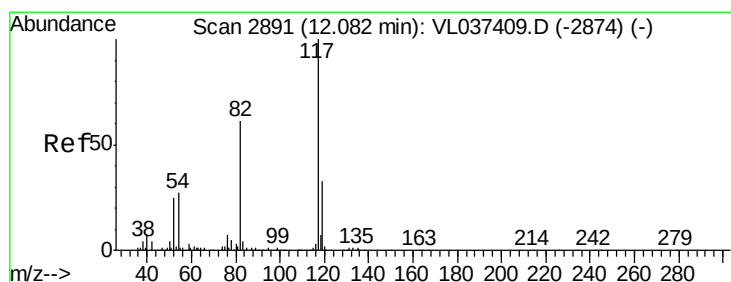
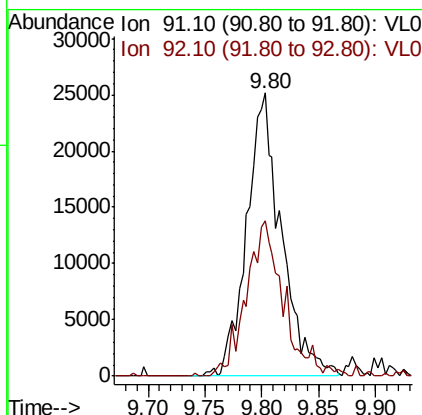
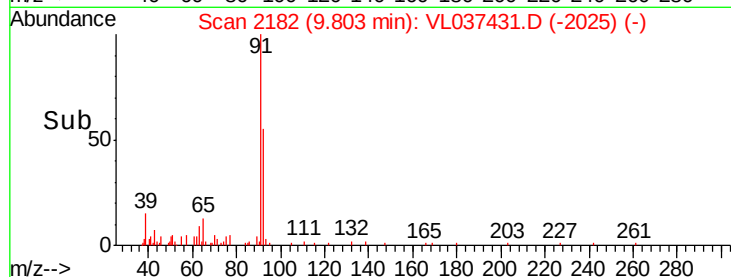
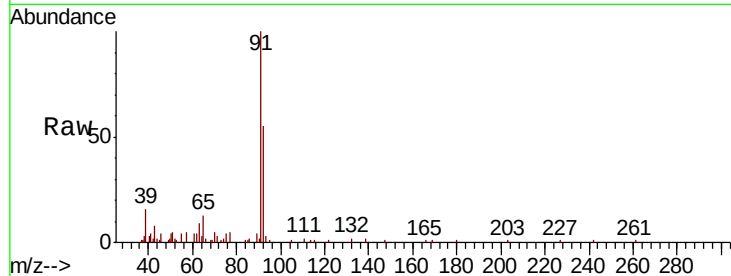
Concen: 0.147 ppbv m
RT: 9.80 min Scan# 2182
Delta R.T. 0.00 min
Lab File: VL037431.D
Acq: 13 Aug 2021 2:38

Instrument :
MSVOA_L
ClientSampled :
SVP-2REDL

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.0	49.0	73.6

Manual Integrations
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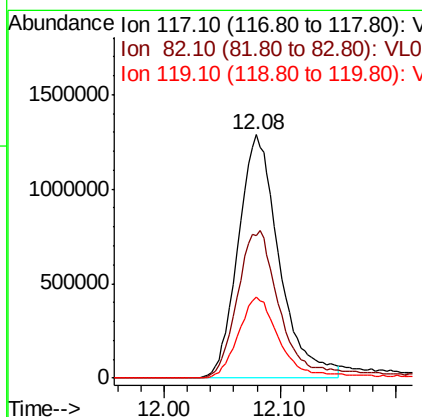
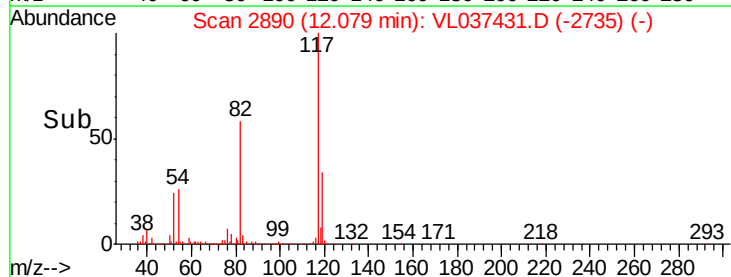
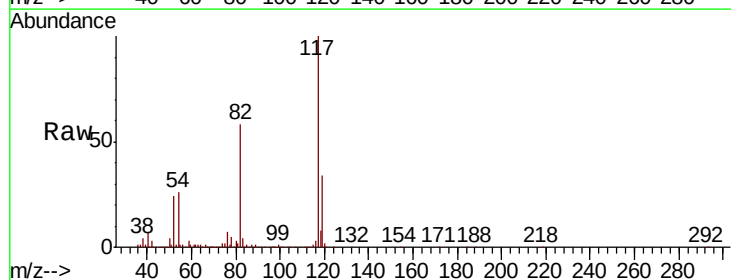


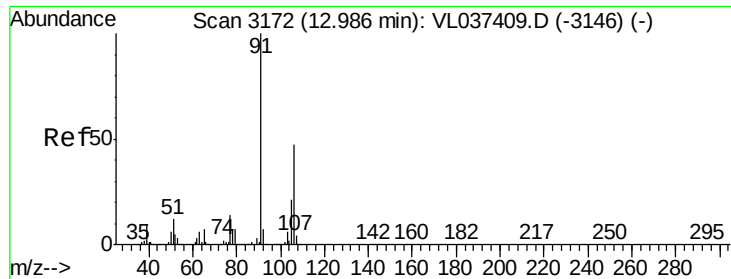
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.00 min
Lab File: VL037431.D
Acq: 13 Aug 2021 2:38

Tgt Ion	Ratio	Lower	Upper
117	100		
82	67.5	53.1	79.7
119	34.2	28.0	42.0





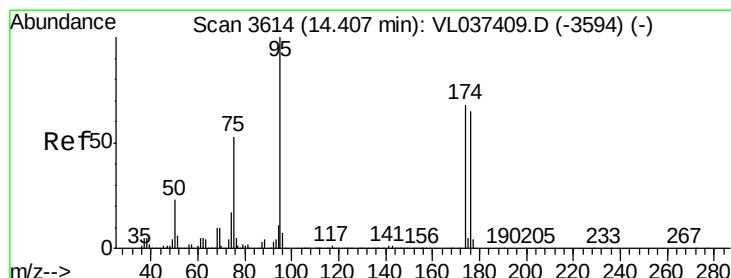
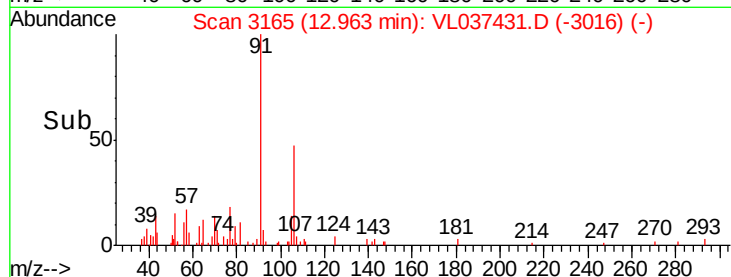
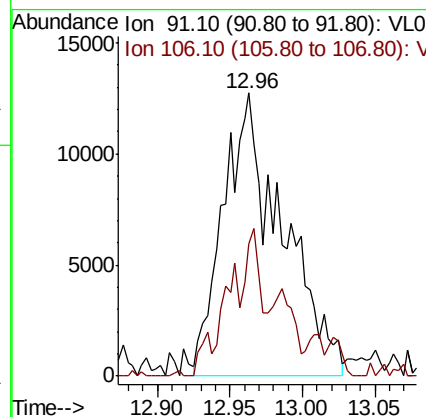
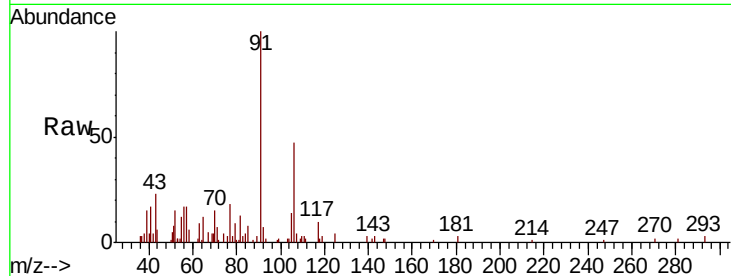
#59
m/p-Xylene
Concen: 0.096 ppbv m
RT: 12.96 min Scan# 3165
Delta R.T. -0.02 min
Lab File: VL037431.D
Acq: 13 Aug 2021 2:38

Instrument :
MSVOA_L
ClientSampleId :
SVP-2REDL

Tot Ion: 91 Resp: 36093
Ion Ratio Lower Upper
91 100
106 0.0 36.6 54.8#

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.631 ppbv
RT: 14.41 min Scan# 3615
Delta R.T. 0.00 min
Lab File: VL037431.D
Acq: 13 Aug 2021 2:38

Tgt Ion: 95 Resp: 2185873
Ion Ratio Lower Upper
95 100
174 81.9 59.6 89.4
175 6.2 4.3 6.5

